

Self Study Report

3rd Cycle

Submitted to

National Assessment and Accreditation Council

(NAAC)

Bangalore



By

Progressive Education Society's

Modern College of Arts, Science and Commerce,

Ganeshkhind, Pune 411016. Maharashtra

March 2016

Mission Statement

Our goal is to create and develop 'Modern' youth

as responsible citizens

with multidimensional personalities

by inculcating among students

a blending of cultural awareness,

compassionate and progressive attitude,

scientific insights and time-tested traditional values.

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Principal's Message

Progressive Education Society's Modern College of Arts, Science and Commerce, Ganeshkhind was instituted in the year 1992 with the prime objective of meeting the educational needs of students coming from the north-west suburbs of Pune, then considered as remote and cut-off from the main city limits. Over the years both the college and the suburb has progressed remarkably, thus turning out to be the choicest destination for many a knowledge seekers and job aspirants. Strategically located near Savitribai Phule Pune University and surrounded by some of the most prestigious national institutes like NCL, NIV, IMD, IISER and DRDO the college has been, for the last 24 years striving earnestly to serve and satisfy all its stakeholders by way of creating its own benchmarks in imparting higher education.

The college was first accredited by NAAC with a B+ Grade in 2004 and re-accredited with an A Grade in the year 2011. Quest for excellence, inclusive education for socio-economic growth, sustainable development and empowerment of youth has been quintessential to its progress as a higher education institute. While the college has taken cognizance of the suggestions and recommendations by NAAC to improve as an institution of repute, it has also fortified its strengths and practices which were duly approved, appreciated and validated by the Peer team during the last two cycles of accreditation.

The IQAC is the pivot around which all the plans and activities of the college take shape. Very well represented by all our stakeholders, the IQAC holds periodic meetings to seek feedback, brainstorm key issues, devise strategies and implement policies so as to achieve our goals. It is significant to place on record here, the keen and enthusiastic participation of our students and staff in sharing valuable insights and inputs that help us in creating on the campus, a congenial environment for nurturing competence in youth replete with employability skills, sense of responsibility, awareness of moral values and good citizenship.

The college is now ready for its 3rd cycle of accreditation by NAAC. Much hard work and fruitful discussions amongst the Management, staff and students of the college, alumni, parents, academic scholars and representatives from business and corporate sectors have gone into the making of our Self Study Report. Series of meetings were held to formulate committees and plan work schedules to compile and collate department and criterion-wise data. Several sessions involving reading, revising and modifying the information finally lead to concretization of the Report. Our SSR is thus an original work, indigenously prepared by the members of the IQAC and the Steering Committee involving all the staff members of the college under the expert guidance of the Principal and the Management members.

Higher education scenario today is posed with daunting challenges. Periodic self-assessment and also academic audits conducted by the Management helps our institution invigorate towards spiraling heights of academic excellence and uphold the ideals of our founder Late Shri Shankarrao Kanitkar, a dedicated teacher and social reformer himself. The college has always believed in introspection; it has inculcated a pro-active approach in addressing issues pertaining to its progress and development by soliciting the involvement of each and every stakeholder. Driven by a wider perspective to foresee challenges and identify the lacunae, has resulted in consolidating our efforts in each and every area, be it the curriculum or indigenously designed skill-based courses, infrastructure and learning resources, research and publications, outreach programmes, good governance, student welfare or even some very innovative best practices.

Our college was among the few shortlisted colleges in Maharashtra State to have the privilege of an interface meeting with the University Grants Commission (UGC) on 29th January, 2016 under the prestigious scheme of CPE. We are at present waiting for the CPE status. Our concerted efforts in achieving educational excellence has thus, propelled our institution to make a mark as one of the best colleges in Pune city.

Today, as we offer ourselves for the third cycle of accreditation, we wish to humbly acknowledge the contribution and enthusiastic and tireless participation of each and every member of the institution in the rigorous exercise of drafting our Self Study Report and also all those who have been noble partners in our journey towards academic excellence. We also entrust utmost faith in the process of assessment and accreditation for validation of our efforts and look forward to priceless suggestions for strengthening our position in the educational paradise of Pune.

Dr. Sanjay Kharat

Principal

**P.E. Society's Modern College of Arts, Science & Commerce,
Ganeshkhind, Pune.**

Executive Summary

Progressive Education Society's Modern College of Arts, Science & Commerce was instituted in the year 1992 with the noble intention of providing higher education in traditional courses to students coming from the suburbs of Pune city. Embarking on its educational journey with a humble beginning, the college has over a very short period, flourished as an academic hub of repute. It goes without saying that this progress has been possible on account of the farsightedness of its founders – a dedicated team of teachers who firmly believe in the maxim “the only thing constant in life is change.” Standing by this firm conviction, the college and its Management has, over the years, tried to understand the ever growing demands and challenges in the field of education and striven to improve and grow in a way so as to cater to the needs of its students, be it in academic, research, business or service sectors.

The college has in the recent years introduced two new PG Programmes in addition to Bachelor of Vocation course and few certificate courses. It has enhanced the use of technology and revamped its day to day teaching – learning process for all students under regular as well as advanced learning programs. Students are regularly provided the opportunity to interact with intellectuals and scholars from different fields of study so as to benefit from their vast knowledge and experience. The introduction of credit based evaluation system for P.G. students and implementation of Wi-Fi and smart card facilities on the campus has helped in accessing knowledge and monitoring requisite amount of teacher contact hours respectively. The college has a functional interactive website which promotes use of ICT on the campus. Admissions to various UG and PG programs is done online. Further, e-documentation and digitization of administrative documents and records is in practice and this has not only helped create the institutional repository and facilitate easy access to information on the campus but has also reduced the use of paper.

Increased use of ICT has automatically augmented both library and laboratory facilities. The college has enriched its library by adding new titles and journals (print & online) to the existing ones. It has subscribed to a wide range of e-learning resources useful for latest updates and know-how in different disciplines. Students and teachers have access to huge repository of web resources as a result of implementation of commercial web – based library automation software of international standards.

The college has witnessed remarkable growth in research projects. It has received research grants to the tune of almost 1.5 crores from various funding agencies. The faculty members of the college have to their credit more than 200 publications in national and international indexed journals. There has been a substantial increase in the number of teachers with PhD and NET/SET. Grants received through DST FIST and DBT Star status has greatly contributed in upgrading the laboratory infrastructure. The laboratories are ergonomically designed and well ventilated with latest equipments and scientific tools. In addition to this, plant tissue culture laboratory has been set up and propagation of endemic species is enabled. The college has also made provision for centralized e-waste management and hazardous chemicals. Establishing an e-learning and biological animation center has helped promote conceptual understanding and development of scientific temperament among students of the college as well as other academic institutions.

The institution has also taken notable steps towards conservation of energy. It has tried to adopt energy self-sustainability through use of green energy. Installation of the unique Hybrid Solar-Wind Energy Project helps generate energy on the campus. The energy generated is used to supply power to the classrooms, and administrative block situated in the main building of the college. Some of the best practices on the college premises include judicious use of water while conducting experiments in the laboratories, use of power-saving LED bulbs, organic waste-management through Baction-composting and drip irrigation. Green audit and energy audit is also conducted periodically in order to reduce carbon emissions in the vicinity of the college. This serves to spread the message of environmental awareness among students and staff.

Almost 46% students of the total strength of the college belong to socially and economically backward class. Remedial coaching center in the college facilitates the academically weak students to overcome difficulties encountered in their learning process. The need for grooming of students for complete make-over in their personality is imperative. Collaborative soft skills training programmes of various types are run in the college to improve language proficiency, logical thinking ability, leadership quality and the EQ among students. The college has also been conducting crash courses in jewelry designing, baking and confectionery with the objective of promoting entrepreneurial talent and employability among its stakeholders, specially the girls. Capacity-building workshops, health and fitness/yoga training conducted for teaching and non-teaching staff has helped create a conducive learning environment on the campus.

Research being a niche area in the academic process, the college has set up a Research and Development Committee which monitors and supports research activity among the staff and students. The college has also enhanced industry academia interface by bringing in more national and international institutes to participate in generating innovative projects. Bringing out an in-house research journal by its parent body is yet another step towards promoting research.

A noteworthy initiative of the institution towards community development has been evident in its 'Village adoption' activity. The college has enhanced this activity by undertaking many social activities such as health awareness programmes, adult education, computer literacy campaign and campaign against superstitions, gender equality initiatives, tree plantation drives, energy conservation etc.

The college has shared a reputation for its openness to change and progressive attitude. Since a major part of the college strength comprises of girl students, many innovative programmes are designed specially to cater women-empowerment. Girl students are empowered through grooming sessions on beauty, health and fitness, courses promoting self-employment hands-on training among others. Besides offering scholarships and other facilities, the college also has a separate self-contained spacious hostel for its girl students.

The college has been the recipient of several prestigious awards viz. Best College Award of S. P. Pune University, Best Student Welfare Officer Award, Best College Magazine Award to name a few. Dr. Sanjay Kharat received the Best Principal Award of S. P. Pune University and two faculty members were honored with the Innovative Teaching Award. The college was recently shortlisted for an Interface Meeting with the UGC for CPE status during which it made a Presentation of its achievements and future plans.

The college has always tried to keep steady pace with the changing and ever-growing needs of its stakeholders. This has been possible on account of worthy guidance by its Management, and strong support from its well-wishers, stakeholders and alumni. The goodwill and trust earned by the college, coupled with additional grants/funding under various schemes has enabled P. E. Society's Modern College of Arts, Science & Commerce impart quality education to economically and socially disadvantaged students and meet the needs of all its stakeholders to their utmost satisfaction.

Major suggestions of previous NAAC Peer Team Visit and its Implementation

2nd Cycle		
	Suggestion by NAAC	Implementation by the College
I. Curricular Aspects		
1.	Examine the possibility for starting five year integrated course in Biotechnology to begin with	Integrated course can be introduced only by constituent colleges and University departments. Ours being an affiliated College, it could not be made possible.
2.	Starting of PG Courses in Social Science, Mathematics and Computing in Collaboration with other institute of the same management	The college has introduced 3 PG Programs in Sociology, History and Zoology. The college started a UG program in B. Voc.
3.	Law course with specialization in IPR, Cyber Law may be examined in Collaboration with Law College	All PG programs have separate Credit Course in Human Rights and Cyber Security. The College has collaborated with Modern Law College in conducting these courses.
4.	Opening of M. Phil. Course in some departments may be examined	The Departments of Biotechnology and Chemistry have applied for Research Centre. A Committee to grant permission is awaited. The Department of Microbiology already has a research centre.
II. Teaching, Learning and Evaluation		
1.	All teachers may be encouraged to attend professional development courses	<ul style="list-style-type: none"> • Faculty members from all faculties are encouraged to attend Orientation and Refresher Courses. Many teachers have also attended seven- day FDP necessary for career development. • Faculty members have also attended a workshop - “Unleashing Potential for Personal Effectiveness”. • Laboratory staff attended a workshop on Lab Security. • Office and Administrative Staff attended a workshop on Capacity Building • Faculty members from all faculties attended a Certificate Course in ‘Computer Security’.
2.	Opportunities may be	<ul style="list-style-type: none"> • Faculty members are continually

	provided to faculty for further studies to improve their qualifications	<p>encouraged to pursue further studies. There has been a remarkable increase in the number of teachers pursuing their PhDs in the last five years. Many teachers have qualified NET/SET</p> <ul style="list-style-type: none"> Many Staff members have pursued short courses in Astrology, Research Methodology, Spoken English, Entrepreneurship, and Computer Skills.
III. Research, Consultancy and Extension		
1.	Explore more avenues for collaborative research with institutes/ Universities/ Industry	<p>The Department of Biotechnology is engaged in collaborative research with CSIR-NCL, Pune; Departments of SPPU; B. J. Government Medical College, Pune; Vasantdada Sugar Institute, Pune; Osmania University, Hyderabad and RMIT University, Melbourne, Australia. Teachers from Department of Microbiology are into collaborative research with Genesis Lab, NCCS, ARI and departments of SPPU. A Faculty from department of Psychology has done projects with Karve Institute of Social Science, MASUM</p>
IV. Infrastructure and Learning Resources		
	Improve infrastructure facilities for faculty, students, labs and hostel :	<p>Development and enhancement in Infrastructure facilities include:</p> <ul style="list-style-type: none"> Spacious self-contained departmental staff room Renovated Labs with adequate ventilation and ergonomically designed facilities. Separate stylishly designed washrooms for girls and boys. Washrooms for girls equipped with Vending machines for Sanitary napkins and the first college under SPPU to introduce disposal unit for sanitary napkins. Expansion of departments with separate cubicles, computers & internet facility. Classrooms upgraded with ICT facilities. Two well-furnished labs for B.Voc Two synthetic playgrounds – a Basketball and a Volleyball court. Separate hostel facility of 100 students capacity for boys and girls.
V. Student support and progression		

1.	Explore the possibilities for the students internships and project work during vacation in industries/universities/ laboratories on a large scale:	<ul style="list-style-type: none"> • 5 to 10% of students from different departments of Science undergo summer training programmes and undertake project work in various departments of SPPU, NCL, NCCS, ARI, NIV Serum Institute & BICARD Training Institute. • Students from Microbiology department undergo winter training at Jan Kalyan Blood Bank. • Students of Biotechnology have been selected for DBT BCIL industrial training program at various industries
2.	Medical Group Insurance for students and employees may be explored	<ul style="list-style-type: none"> • The Management of Progressive Education Society offers Medical Group Insurance Scheme facility to its employees. The staff of the college have been informed about the facility and many staff members have opted for this scheme. • The college has availed medical insurance facility for students extended SPPU

Signature of the Principal

1. Profile of the Affiliated College

1. Name and Address of the College:

Name :	P.E. Society's Modern College of Arts, Science and Commerce, Ganeshkhind, Pune.	
Address :	Opp. Savitribai Phule Pune University, Ganeshkhind, Pune	
City :	Pin : 411016	State : Maharashtra
Website :	http://www.moderncollegegk.org	

2. For Communication:

Designation	Name	Telephone	Mobile	Fax	Email
Principal	Dr. Sanjay Kharat	020-25634021	9011070912	020-25650931	kharat.sanjay@gmail.com
Vice Principal	Dr. Jyoti Gagangrass	020-25634021	9822656362	020-25650931	jyoti_suhsas@rediffmail.com
Vice Principal	Mrs. Shubhangi Joshi	020-25634021	9423243868	020-25650931	shubhangijoshi66@gmail.com
Vice Principal	Mrs. Swati Kandharkar	020-25634021	9881091434	020-25650931	swatikandharkar@yahoo.co.in
Steering Committee Co-ordinator	Mrs. Shampa Chakravarty	020-25634021	9822327566	020-25650931	shampa.chakravarthy@gmail.com

3. Status of the Institution:

Affiliated College ✓

Constituent College

4. Type of Institution:

a. By Gender

i. For Men

ii. For Women

iii. Co-education ✓

b. By Shift

i. Regular ✓

ii. Day

iii. Evening

5. It is a recognized minority institution? No

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

6. Sources of funding:

Government

Grant-in-aid ✓

Self-financing ✓

7. a. Date of establishment of the college: **27/08/1992**.

b. University to which the college is affiliated : Savitribai Phule Pune University

c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks(If any)
i. 2 (f)	9 Jan 2009	F8,290 (CPP-1) 2006
ii. 12 (B)	9 Jan 2009	F8,290 (CPP-1) 2006

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition /Approval details Institution/ Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.	Not Applicable			
ii.				
iii.				
iv.				

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes ✓

No

If yes, has the College applied for availing the autonomous status?

Yes

No ✓

9. Is the college recognized -

a. by UGC as a College with Potential for Excellence (CPE)?

Yes

No ✓

Presentation for CPE (under XIIth Plan) is given at UGC, New Delhi on 29th January, 2016. Result awaited.

If yes, date of recognition: (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes ✓

No

If yes, Name of the agency

i) Department of Biotechnology Government of India DBT-
Star College Scheme 28/05/2012

ii) DST FIST Program 15/02/2012

10. Location of the campus and area in sq.mts:

Location	Urban
Campus area in sq. mtrs.	14161 sq. mtrs.
Built up area in sq. mtrs.	6175.82 sq.mtrs.

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

• Auditorium/seminar complex with infrastructural facilities Yes

• Sports facilities

☐ Play ground - Yes

☐ Swimming pool - No

☐ Gymnasium - Yes

• Hostel

☐ Boys' hostel

i. Number of hostels 1

ii. Number of inmates 50

iii. Facilities

Mess Facility, 24 hours Electricity, Recreation Room - T.V, Music system, Computer Facility with Wi- Fi, Indoor Games, Carom Board, Chess Board, Badminton.

☐ Girls' hostel

i. Number of hostels 2

ii. Number of inmates 100

iii. Facilities

Mess Facility, 24 hours Electricity, Yoga Room
Recreation Room - T.V, Music system, Computer Facility with Wi- Fi, Indoor Games, Carom Board, Chess Board, Badminton

☐ Working women's hostel No

i. Number of inmates

ii. Facilities (mention available facilities)

- Residential facilities for teaching and non-teaching staff No
- Cafeteria Yes
- Health Centre Yes

First aid ✓

Inpatient

Outpatient ✓

Emergency care facility ✓

Ambulance

Health centre staff ✓

Qualified doctor

Full time

Part-time ✓

Qualified Nurse

Full time

Part-time

- Facilities like banking, post office, book shops No
- Transport facilities to cater to the needs of students and staff No
- Animal house Yes
- Biological waste disposal Yes
- Generator Yes
- Solid waste management facility Yes
- Waste water management Yes
- Water harvesting Yes

12. Details of programmes offered by the college

Sr. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted (2015-16)
1	Under-Graduate	B.A.	All the Courses are of 3 years	12 th Arts/ Com / Sci.	English/ Marathi	360	360
2		B.Com.		12 th Sci./Com	English Marathi	600	600
3		B.Sc.		12 th Science	English	360	246
4		B.Sc Comp. Science		12 th Science	English	240	230
5		B.Sc. Biotech		12 th Science	English	64	69
6		B.B.A.(CA)		12 th Sci/ Com (equivalent Diploma)	English	180	111
7		B.Voc. Food Processing Tech.		12 th Science	English	50	32

8	Post-Graduate	M.A. Economics	2 years	B.A, B.Com	English/Marathi	60	27
9		M.A. Sociology	2 years	B.A, B.Com	English/Marathi	60	27
10		M.A. History	2 years	B.A, B.Com	English/Marathi	60	34
11		M.Com.	2 years	B.Com.	English/Marathi	60	60
12		M.Sc. Micro-biology	2 years	B.Sc Micro-biology	English	48	48
13		M.Sc. Chemistry	2 years	B.Sc. Chemistry	English	48	45
14		M.Sc. Biotechnology	2 years	B.Sc Biotechnology	English	24	24
15		M.Sc. Zoology	2 years	B.Sc Zoology	English	24	24
16		M.Sc Comp.Sc.	2 years	B.Sc Computer Sc.	English	60	60
17	Ph.D.	Micro-biology		M.Sc. (Micro)	English	8	0
18	M.Phil.	Micro-biology		M.Sc. (Micro)	English	8	0

13. Does the college offer self-financed Programmes?

Yes ✓

No

If yes, how many? 16

14. New programmes introduced in the college during the last five years if any?

Yes	✓	No		Number	6
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15. List the departments:

Faculty	Departments - UG	PG
Science	Total Departments : 11 Biotechnology, Botany, Chemistry, Computer Science, Electronics, Mathematics, Microbiology, Physics, Statistics, Zoology, B.Voc.	Total Departments :5 Biotechnology, Chemistry, Computer Science, Microbiology, Zoology
Arts	Total Departments : 9 Economics, English, Geography, Hindi, History, Marathi, Political Science, Psychology, Sociology	Total Departments :3 Economics, History, Sociology
Commerce	Total Departments : 5 Banking and Finance, Business Entrepreneurship, Costing, Marketing, BBA(CA)	Total Departments : 2 Business Entrepreneurship, Advance Accounting

16. Number of Programmes offered under (Programme means a degree course like B.A., B.Sc., M.A., M.Com.)
- annual system 2
 - semester system 14
 - trimester system Nil
17. Number of Programmes with
- Choice Based Credit System 11
 - Inter/Multidisciplinary Approach
 - Any other (specify and provide details)
18. Does the college offer UG and/or PG programmes in Teacher Education?
Yes No ✓
19. Does the college offer UG or PG programme in Physical Education?
Yes No ✓
20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government			3	4	30	72	38	10	14	1
<i>Recruited</i>										
<i>Yet to recruit</i>										
Sanctioned by the Management/ society or other authorized bodies					6	12				
<i>Recruited</i>										
<i>Yet to recruit</i>										

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Fema	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			3	4	4	17	28
M.Phil.					2	5	7
PG					24	50	74
Temporary teachers							
Ph.D.					3	2	5
M.Phil.						1	1
PG					1	11	12

22. Number of Visiting Faculty /Guest Faculty engaged with the College. 43
23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	Year 12-13		Year13-14		Year 2014-15		Year 2015-16	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	290	296	268	297	333	350	339	388
ST	74	63	67	66	111	68	120	99
OBC	536	443	366	273	604	505	538	448
General	1081	1132	1133	1158	1228	1127	1102	1226
Others	88	90	263	449	88	68	32	27

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	3346	788			
Students from other states of India	144	24			
NRI students	0	1			
Foreign students	8	8			
Total	3498	821			4319

25. Dropout rate in UG and PG (average of the last two batches)

UG 2% PG 0%

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component Rs. 29,317/-

(b) excluding the salary component Rs. 6,077/-

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes No ✓

28. Provide Teacher-student ratio for each of the programme/course offered

Arts – 45 : 1 Science - 22 : 1 Commerce - 77 : 1

29. Is the college applying for

Accreditation : Cycle 1 Cycle 2 Cycle 3 ✓

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1 : 16/02/2004 : B+ Grade

Cycle 2 : 27/03/2011 : A Grade

**** Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.***

31. Number of working days during the last academic year. 240 days
32. Number of teaching days during the last academic year 180 days
33. Date of establishment of Internal Quality Assurance Cell IQAC : 02/01/2006
34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC
- | | | |
|------|-------|------------|
| AQAR | (i) | 27/09/2012 |
| AQAR | (ii) | 30/09/2013 |
| AQAR | (iii) | 02/05/2015 |
| AQAR | (iv) | 17/03/2016 |

Criteria-wise Inputs

CRITERION I : CURRICULAR ASPECTS

Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision

We aspire to be recognized as a college of first choice for excellent and accessible higher education dedicated to serving its surrounding communities through intellectual, cultural, technological and professional contributions. We aim to be known as an institution whose members share a passion for teaching and learning, an abiding commitment to innovative findings through research and creative activity and maintain a strong sense of responsibility and accountability towards society and the nation at large.

Mission statement of the institution is:

“Our goal is to create and develop ‘Modern’ youth as responsible citizens with multi-dimensional personalities by inculcating among students a blending of cultural awareness, compassionate and progressive attitude, scientific insights and time-tested traditional values”.

Objectives of the Institution:

- To develop knowledge based society
 - To make the students globally competent
 - To undertake the programmes for community development
 - Technological contribution to the society
 - Inclusiveness in higher education
- Vision, Mission and Objectives of the Institution are communicated to the students, teachers, staff and other stakeholders through:
- (a) College Prospectus, publications and important documents of the college.
 - (b) Display of the ‘Mission Statement’ at important places in the college premises.
 - (c) Formal meetings with students, staff and stakeholders.
 - (d) College website
- Besides the above mentioned ways, it is also reflected through various activities of the Institution:
- ‘Avishkar’, Research Project competition organized at University level for improving scientific insight.
 - Arranging Soft Skills development programme, Industrial training, social awareness activities like collection of ‘Nirmalya’, visits to various places like old age home.
 - Through Innovative projects like: Development of Gas Sensor, Talking Thermometer
 - Installation of Solar Wind Hybrid Power Generation Plant. (13 KW)

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

IQAC prepares academic plan of the year and forms a central time table committee. Time table committee considers the directives given by the IQAC and feedback given by stakeholders regarding infrastructure and need of curriculum for effective implementation of academic plan and time table.

Time table is displayed on central and class notice boards. Periodically Academic review and feedback is taken from peers and students. The Principal, Vice Principals and Heads of the Departments conduct regular meetings to review the difficulties faced while teaching. The practicals are revised to improve practical skills of students. A lecture register is maintained to review day to day lecture execution.

Bridge course and remedial lectures are conducted to improve the student's basic concepts.

Academic diary is maintained by the teachers. Subjects are allotted to the teachers. According to the distribution of subjects and time table individual teachers prepare their lecture plan. Teachers refer text books prescribed by Savitribai Phule Pune University for the execution of lecture plans. Teachers refer different reference books, current research reviews of the topics for effective implementation of curriculum. Besides Chalk and duster, various other teaching methods are used for effective implementation of curriculum like: Quiz (Oral, Written) Group Discussion, PPT Presentations, Role Play, Projects, Games, Short Films, Industrial Visits, Models, etc.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

Board of Studies (BOS) of Savitribai Phule Pune University designs prescribes curriculum for affiliated colleges along with the action plans. Guidelines about lecture allocation per topic is also provided by the university. For effective translation of curriculum and improving teaching practices, Savitribai Phule Pune University conducts various Refresher, Orientation courses, Training Programmes and Workshops.

The institution promotes teachers to actively participate in BOS elections. The college encourages staff to participate in Refresher and Orientation courses conducted by Savitribai Phule Pune University and other universities. They are also motivated to attend syllabus restructuring workshops and seminars. College provides ICT based infrastructure for effective translation of the curriculum. Teachers maintain Academic Dairy for documenting their effective implementation of curriculum. For effective implementation of credit system experts are invited. College has conducted Laboratory safety workshop for laboratory attendants and assistants to make them aware of handling and maintenance of chemicals and electrical devices and disposal of bio-hazardous waste. Library resources are made available for teachers.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

For effective curriculum delivery and transaction on curriculum institution gives support by providing ICT facility, Library and Laboratory resources. Institution takes initiative to invite expertise from various National and International institutions, industries for guidance. Following pedagogies are used for the effective transaction of curriculum.

- Chalk and Talk methods
 - Power Point Presentation
 - Group discussion
 - Case study method
 - Role Play
- Besides regular teaching methods, the college takes initiative for effective curriculum delivery and overall development of the students to increase employability and entrepreneurship through various activities like:
- **Associations:** Science Association, Disha: Study Circle of Psychology Department, Banking Club, Entrepreneurship Development Cell, *Jidnyasa*, Sociology Study Circle, History Study Circle, Geography Study Circle.
 - **Quiz:** *Kaun Banega? History Scholar!!* : An Inter collegiate level, *What's The Good Word* (English Quiz).
 - **Exhibitions:** “*Anubhuti*” Science Exhibition (Projects, Models and Posters), “*Vividha*” Entrepreneurship Development Programme, Management Exhibition, Tribal Exhibition, *Psyworld*.
 - **In-House Magazines:** Commerce Horizon, *Kaleidoscope*, Web Directory, *Pramey*: Mathematics Department.
 - **Wall Magazines:** “*Flair*”, Our Heritage, English Corner, *Jidnyasa*.
 - **Competitions:** “*Interaction*” (Intercollegiate Competition conducted by Department of Computer Science), “*Cost Fest*” (Intercollegiate competition for paper and poster Presentations, quiz and exhibition of products made by students) by commerce faculty, “*MAGNIT*”- activity by BBA[CA] department, *Business Plan*, *Essay Writing*: Intercollegiate Competition conducted by English, Hindi, Marathi Department, “*Mathematical Hockey*”, “*Snakes and Ladder*” by Electronics Department, “*Zoocites*”: Zoology Department, “*Biozone*”: by Biotech Department.
 - Hands on training programme for the Students by various Departments. Multiple set of instruments are purchased for the students to complete their experiments. Training programmes for Library Awareness are carried out.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?

IQAC of Institution identifies, approaches and involves experts from industry and national research institutes to develop specific skill based courses.

College has developed network with beneficiaries by entering into MOUs with different organizations like Lee's Spa, Jankalyan Blood Bank, Kulkarni Laboratory (Soil and water testing).

College has collaborations with various National and other Research Institutes, Industries, NGOs and Banks. Various departments organize visits and study tours to Industries, National Institutes, NGOs, and Banks. College invites experts from Research Institutes and Industries to interact with students and staff. IQAC of college has one member from Industry. UGC sponsored career oriented courses are run in association with various Industries and Institution. Placement Cell of college has conducted '*Industry Connect*' through which industrialist are invited to guide the students. Microbiology Department has conducted a workshop on Right Ground Work for Right Industry. Post graduate students carry out research projects at different National Institutes like NCL, NCCS and University Departments. BCUD sponsors different workshops conducted by the college

For effective operationalization of curriculum of college conducts various co-curricular activities like

1. Mock Banking
2. Hands on Training on Handicraft and Warli Painting by Sociology Department.
3. Entrepreneurship Development Cell jointly with MITCON

1.1.6 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

Institution gives support to teachers to participate in BOS elections. Some of the teachers are members of Board of Studies. Institution has organized workshop to hold discussions on the syllabi of B.Sc. course and teaching methodologies to be adopted. Some of the teachers have attended syllabus restructuring workshops organized by Savitribai Phule Pune University. Teachers have submitted feedback on curriculum while restructuring of curriculum. College has conducted Workshop on Academic and Examination Reforms and feedback is communicated to the authorities of the university. For development of the curriculum feedback is taken on curriculum from students and stakeholders and communicated to the university.

1.1.7 Does the institution develop curriculum for any of the courses offered by it? If 'yes' give details on the process and the courses for which the curriculum has been developed.

The college has developed curriculum for UGC sponsored career oriented courses viz. Embedded Systems conducted by the department of Electronics

and Applied techniques in industry and laboratory conducted by Microbiology department. Autonomous courses such as Office Automation, Spoken English, Modi Script Writing.

The objectives of these courses are to introduce career and market-oriented, skill enhancing add-on courses that have utility for job, self-employment and empowerment of the students. At the end of course, the students will be equipped with a Certificate along with a conventional degree in Science/Arts/Commerce.

Syllabus is designed with the help of industry experts. Courses are conducted after the regular lectures, practicals and during vacations.

The department of Microbiology offered an UGC sponsored Career Oriented certificate Course in “ Applied Techniques in Industry and Laboratories “(F. No. 4 -182/2011-COC) for a period of five years (2012-2017). The syllabus for the same was designed as per UGC guidelines of 20 credits of 15 hours each of which 8 were for field work/project/training. This syllabus was approved by the University of Pune(CBS 2319). A total of 64 students of T.Y.B.Sc. Microbiology benefited from this course over a period.

The objective of this course was to bridge the gap between academia and industry, to impart career and market oriented training, to impart soft skills and entrepreneurship skills and to empower students and increase their employability. The core curriculum of the course is based on three papers: Technique in Pathology Laboratories and Blood Bank, Applied techniques in Industries , Practical based on these. The course is conducted for T.Y.B.Sc. students after their regular schedule is over.

UGC sponsored Career Oriented Certificate Course in Embedded System and its applications conducted by Electronics department follows the same procedure.

B.Voc. (Food processing and Green house Technology):

The University Grants Commission (UGC) has launched a scheme on skills development based higher education as part of college education, leading to Bachelor of Vocational (B.Voc.) Degree with multiple exits such as Diploma/Advanced Diploma under the National Skill Qualification framework (NSQF). The B.Voc. programme is focused on providing undergraduate studies which would also incorporate specific job roles and their NOSs (National Occupational standards) along with broad based general education. This would enable the graduates completing B.Voc. to make a meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.

This course will identify and fill the skill gaps. The mandate of this program is to create a course with industry - academia collaboration that will produce skilled workforce satisfying specific needs of the industry. This course will offer multiple needs of the industry. The structure will allow students to have thorough theoretical knowledge coupled with rigorous hands-on training in both laboratory and industry.

Levels of Awards

This course will offer multiple exits such as Diploma/Advanced Diploma/B. Voc. Degree each imparting students with employability & entrepreneurship

in industry of chosen specialization which will be offered under the aegis of the University.

Award	Duration
Diploma	1 Year
Advanced Diploma	2 Years
B.Voc. Degree	3 Years

1.1.8. How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

Institution ensures that the objectives are achieved in the following ways

- By conducting Result Analysis and by getting regular updates on syllabus completion by authorities, college analyzes /ensures stated objectives of curriculum are achieved.
- Campus placement through placement cell.
- Application of curriculum in Competitive Examinations.
- Application in fundamental and applied Research Projects.
- Through practicals, oral examinations and midterm examinations.
- Continuous assessment.
- Feedback from stakeholders is analyzed.
- Research projects of the students are published in reputed journals.

Academic Flexibility:

1.2.1 Specifying the goals and objectives give details of the certificate/ diploma/ skill development courses etc., offered by the institution.

College conducts two Certificate courses and twenty Skill based courses.

Sr. No.	Name of the course	Aim	Objectives	Funding agency
1.	Embedded Systems and it's applications (Conducted by Electronics Department)	Both are career and market oriented certificate courses	1. Skill enhancement , 2. Self Employment 3. Empowerment of the student	UGC under it's XIth plan of career oriented courses
2.	Applied techniques in industry and laboratories (Conducted by Microbiology Department)			
3.	B.Voc. Food Processing Technology, and Green House Technology.	Identify and fill the skill gap between the industry and academia	1. Industry academia collaboration 2. To produce skilled workforce	UGC

			satisfying the needs of the industry 3. To accelerate nations economy 4. Course having Multiple Exits	
4.	Certificate course in <i>Modi</i> Script(History Department)	To promote Medieval Script in the society	To create awareness of history To read old documents of historical periods	
5.	Certificate course in Spoken English (English Department)	To improve communication skills in English	Personality development Global competency Employability skills	Self funding
6.	Certificate course in Health and beauty grooming	Women Empowerment	Personality development Global competency Employability skills Health awareness	Lee Spa
7.	'Certificate course in C' language (Mathematics Dept.)	To learn C Language	Global competency Employability skills	DBT – STAR college scheme

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

Institute does not provide twinning/dual degree facility for programmes.

1.2.3. Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for

Employability issues may cover the following and beyond:

- Range of Core / Elective options offered by the University and those opted by the college
- Choice Based Credit System and range of subject options
- Courses offered in modular form
- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses
- Enrichment courses

Our college is a multi-faculty institution, with Arts, Science, Commerce, Computer Science and Biotechnology programmes offering various options to the students which help them in skill development and also facilitate academic mobility. It also improves employability of the students.

Core options: Obligatory due to syllabus. As per university curriculum, certain subjects are compulsory under each faculty. In case of optional subjects the college offers maximum options, through a variety of combinations.

Elective options: U.G.

Arts: Additional English, Marathi, Hindi, History, Geography, Political Science, Economics, Psychology, Sociology.

Commerce: Business Entrepreneurship, Marketing, Banking and Finance, Costing, Office Management. (First year)

Science: Mathematics, Zoology, Chemistry, Physics, Microbiology, Biotechnology, Computer Science and B.Voc.

Elective options: P.G.

M. A.- Economics, History, Sociology

M.Sc- Chemistry, Computer Science, Microbiology, Biotechnology, Zoology

M.Com- Advanced Accounting and Auditing and Taxation, Business Administration

Choice Based Credit System and range of subject options: Post Graduate Courses:

MA, M.Com. , M.Sc.

Credit transfer and accumulation facility

B.Voc : Food Processing and Green House Technology .

This course will offer multiple exits such as Diploma /Advanced Diploma /B.Voc. Degree each imparting students with employability and entrepreneurship in industry of chosen specification which will be offered under the aegis of the university.

Award	Duration
Diploma	1 Year
Advanced Diploma	2 Years
B. Voc. Degree	3 Years

Modular form: Institution selects skill based course for extra credits at all post graduation level as per the demand of the students.

Lateral mobility is given within the framework of university rules

(i) At UG level students can shift from Science stream to Arts or Commerce stream, but this must be done in the First Year.

(ii) Commerce to Arts stream, again at FY level only.

Enrichment courses

Certificate Course in Spoken English, Office Automation (in year 2011-2012), Modi Script, Embeded Systems, Applied techniques in industry and laboratory.

1.2.4 Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes. The College runs some Non-Grant Courses at UG and PG level, which are self-financed.

B.A. (Bachelor of Arts): two divisions for First year.

B.Com. (Bachelor of Commerce): Three divisions for First year, Two for Second year and One for Third year.

B.B.A.(CA) (Bachelor of Business Administration in Computer Applications).

B.Sc. (Bachelor of Science) – Computer Science, Biotechnology.

M.A. - Economics, Sociology and History.

M.Sc. – Chemistry, Computer Science, Microbiology, Zoology, Biotechnology.

Features of these programmes are:

1. Capital expenditure required for initiating the course is borne by the Management of P. E. Society, for infrastructure, furniture and equipments.
2. Fee charged is as per those prescribed by the Savitribai Phule Pune University for such courses.
3. Admissions are given on the basis of entrance tests, previous examination marks, merit and reservation policy of the government. Admissions given to students from other states are as per university norms.
4. Curriculum guidelines: As per university rules. The teachers of certain courses are encouraged to supplement the curriculum with topics they feel are career oriented and necessary for employment. But these topics must have been approved by respective Boards of Studies and University subsequently.
5. Teacher Qualifications: Qualifications for teachers are laid down by the UGC, State of Maharashtra and Savitribai Phule Pune University. Selection of teachers is as per the university rules and regulations. Experienced teachers / renowned research persons from academic fields, industry, are also invited as visiting faculty for certain courses.
6. Admission to most of the Non-grant courses is given on the basis of entrance examination.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

1. College conducts UGC sponsored career oriented courses such as Embedded Systems and its applications (B.Sc. Electronics and Computer Science students)
2. Applied techniques in industry and laboratory.(B.Sc. Microbiology students)

College provides additional skill oriented Programmes such as Soft-Skill Development. Commerce faculty has a tie up with Vidya Sahakari Bank Ltd. through which every year T.Y.B.Com (Banking) students get an opportunity to have On Job Training. Chocolate making, paper bag making, Jewelry making workshops are conducted. “Direct Tax Advisor”. Skill based Training programme is conducted for MCom. Students with CA firm. Third Year Microbiology students attend 10 days Training Programme at Jankalyan Blood

Bank. Personality Development Certificate Course is conducted for Third Year girl students of all faculties in collaboration with Lee's Spa.

College conducts competitive examination guidance and Career Guidance lecture series. Various departments arrange industrial and institutional visits to give practical knowledge to the students. Various science departments organize skill based hands on trainings.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice? If 'yes', how does the institution take advantage of such provision for the benefit of students?

University does not provide such flexibility.

Curriculum Enrichment:

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

College adopts the curriculum which is given by the University it is affiliated to. The college offers various academic programmes which are in line with the institution's goals and objectives. Professional courses such as BBA (CA), M.Sc Biotechnology, B.Sc. Computer are introduced by our college considering its demand at the national and global level.

Taking into cognizance the rapid growth in the food and the hospitality sectors college has introduced the programme Bachelor in Vocational Science –Green House Technology and Food Processing Technology. In addition to these programmes college runs various career oriented certificate courses like Embedded system and its applications, Applied techniques in industry and laboratory , Spoken English, Soft Skill development, Office automation, Grooming and personality development.

Activities such as 'Career Guidance Fair', lecture series, hands on training, research projects (in house as well as with national institutes) are conducted for the personality development of the students. College has competitive examination guidance cell. All the departments conduct various and varied learning and curriculum enrichment programmes.

Programmes and allied certificate courses help in help the students to face professional challenges.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

Our college is a multi faculty college. Every department identifies its thrust areas like:

Physics: Energy, Microbiology: basic microbiological techniques for quality control,

Biotechnology: advanced biotechnology, Zoology: applied zoological techniques,

Electronics: PCB designing, Mathematics: mathematical modeling,

Commerce: Service sector management, Social sciences: gender sensitization and multidisciplinary.

By considering these areas teaching plan is prepared so as to equip the students to face the challenges of employment market:

By conducting following activities college enhances skills among the students to cope up with the needs of employment market:

- Career guidance lectures
- Hands on training
- On job training
- Industrial Visits
- Entrepreneurship development programme
- Wall Magazines
- In house Publications

Group Discussion and Interactive sessions with:

- a. Well placed alumni students of the college
- b. Successful Sports persons
- c. Successful Entrepreneur
- d. Researchers and pursuing Ph.D.
- e. Industry Experts
- f. Resource persons from Universities abroad
- g. Those who have passed Competitive Examinations

Their experiences are considered as suggestions which are communicated to BOS members of respective subjects and Faculty. Placement Cell is aligned between students and corporate.

Practice sessions on aptitude tests and Mock Interviews are conducted by placement cell. Departments communicate the students about various job opportunities by displaying notices on the notice boards.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

College has made sincere efforts to integrate the cross cutting issues into the syllabus by conducting various activities :

- **Gender:** College has actively participated in Gender champion Club initiated by University. Anti-sexual Harassment Cell, Anti-ragging cell and Counselling cell are functioning in college. College has conducted a district level workshop on “Violence against women”. Through Vidyarthini Manch various programmes are conducted to empower girl students. Under Janivjagar on gender sensitization various activities like poster competition, essay writing competition and workshops were conducted. Workshop for boys after Nirbhaya case was conducted.
- **Climate change and Environmental Education:** College has conducted conference on Faunal Bio-diversity. Under Environmental Awareness course various lectures are conducted, field visits are arranged and projects are assigned to the students. College has made successful installation of a project

for generating electricity through Solar Wind Hybrid Power Generation Plant. Green audit is conducted by the college to reduce pollution. College has composting plant for disposal of wet garbage(Bation). College has weather station to give information about temperature and humidity. Second Year students of all faculties undertake projects under Environmental Awareness Programme. NSS students collect 'Nirmalya' from 'Chatushringi Temple' during Navaratri festival for decomposting. Tree plantation, No Vehicle Day and Cycle Rally were organized to promote environmental awareness.

- **Human Rights:** Sociology and Psychology departments conduct programs and lectures on human rights. College has adopted credits on human rights at all postgraduate level as recommended by the University.
- **ICT:** Most of the courses have ICT in their curriculum. Students are encouraged to use internet, PPT and OHP for their project presentations. The college runs an Office Automation course to cater to the needs of the students who do not have ICT as a part of their curriculum. Teachers from various department use PPT for their lectures. Frequent webinars are organized by the Library for students. A credit on cyber security is conducted for all post graduate programmes.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

College offers various value –added programs to ensure holistic development of students

- Moral and ethical values: NSS, Soft Skill development program
 - Employable and life skills: Soft Skill, Spoken English, Office Automation, Health and Beauty Grooming.
 - Better career options: BSc vocational courses under UGC- Green House Technology and Food Processing Technology, Embeded Systems, Applied techniques in industry and laboratory, Hands on Training(With Vidya Sahakari Bank).
 - Community orientation: Modi Script, BSc vocational courses under UGC- Green House Technology and Food Processing Technology.
- Besides above mentioned programmes college conducts various activities under student welfare department and Quality Improvement Programmes of Savitribai Phule Pune University.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stake holders in enriching the curriculum?

College has formal feedback mechanism. Manual and online feedback forms are made available.

Feedback from different stakeholders is collected, analyzed and it is communicated to BOS member to enrich the syllabus.

Students: Most of the teachers take feedback informally through discussions in and outside class rooms. Formal feedback mechanism has been initiated.

Alumni: Feedback is being taken formally. IQAC has one alumni representative.

Parents: At the time of admission, feedback is collected from parents through informal interactions with them.

Employers/Industries: The IQAC of the college has representation from industry. Feedback is sought from these experts besides the visiting faculty. Also students recruited through campus interviews are a good source for obtaining the feedback. Mr. Bipin Deokar from corporate sector is an advisory member for Banking club.

Academic Peers: Staff members who meet during question paper setting, Central Assessment Programme (CAP), seminars, workshops exchange views and take necessary action to inform BOS.

Community: Through informal meetings; through NGOs, newspapers and media.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

Enrichment programmes are monitored through attendance of the students, continuous review of the programmes by the coordinators, Vice Principals and Principal. Academic Audit is conducted by the institution. Individual feedback of teachers is taken from the students, it is analyzed and conveyed to the concerned teacher. Performance of the students is evaluated by conducting tests, oral examinations, seminars and projects.

The quality of enrichment programmes is evaluated through

- Placement of the student,
- Awards, scholarships and fellowships received by the student.
- Student publications of the research projects
- Overall personality development of the students

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

College collects feedback from various stakeholders on curriculum which is communicated to the university in the following manner:

- At post graduate level feedback is taken from students to select optional credits which is communicated to the university
- Some of our teachers are members of Board of Studies who communicate collected feedback to the university.
- College has organized workshop to hold discussions on the syllabi of B.Sc. course and teaching methodologies to be adopted.
- College has conducted Workshop on Academic and Examination Reforms and feedback is communicated to the university
- Some of the teachers are the members of syllabus restructuring committee.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

Keeping in mind the various aspects related to curriculum, the form is designed & distributed to students. Sampling is done based on following criteria for representative :

- 1) Regularity of student
- 2) Varied understanding and comprehension skills
- 3) Varied socioeconomic background
- 4) Keen interest in subject.
- 5) Capacity for interaction

The final analysis of feedback is done on the data provided by each student
This analysis is forwarded to higher authorities.

1) Curricular Aspects

We have conducted the feedback analysis on curricular aspects. According to the data collected we have plotted a graph for each question. The findings indicate that more than 35% students feel there is a correlation between the current syllabus and contemporary application of the subject only 7% students feel that the syllabus is lacking in relevance and applicability

Alumni : Feedback from alumni is passed to IQAC and through which career oriented courses are designed.

Parents : Feedback is collected at the time of admission by interacting with them , parent teacher meetings, workshops like “*Aai Mazya Mahavidyalayat*” and “*Kisan Palak Melawa*”

Employers/Industries : The IQAC of the college has representation from industry. Feedback is sought from these experts besides the visiting faculty. Also students recruited through campus interviews are a good source for obtaining the feedback

Academic Peers : Staff members who meet during question paper setting, Central Assessment Programme (CAP), seminars, workshops exchange views and take necessary action to inform BOS.

Community: Through informal meetings; through NGOs, newspapers and media. The feedback collected from stakeholders is communicated to the university through BOS members.

College has introduced new programmes : M.A. History, M.A. Sociology, M.Sc. Zoology, Bachelor in Vocational Science- Green house technology and food processing, Diploma in Accounts, Diploma in Banking, Diploma in Taxation.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? (What was the rationale for introducing new courses/programmes?)

Any other relevant information regarding curricular aspects which the college would like to include.

The College has introduced following new programmes during last four years: M.A. History, Sociology: These courses help the students in preparing competitive examination preparation and in the nearby vicinity none of the college offers these courses. Students will be able to get the jobs in social welfare departments, NGOs travel and tourism, teaching etc.

B.Sc Nanotechnology and Animation: There is an increased demand for these courses. To give the students global career opportunities in the field of technology.

M.Sc Zoology: There is increased demand for this course. Better career opportunities for students as researchers and teachers .

BSc vocational courses under UGC- Green house technology and Food Processing Technology: This course will identify and fill the skill gaps. The mandate of this program is to create a course with industry- academia collaboration that will produce skilled workforce satisfying specific needs of the industry. This course will offer multiple needs of the industry. The structure will allow students to have thorough theoretical knowledge coupled with rigorous hands-on training in both laboratory and industry.

UGC sponsored career oriented courses: Embedded Systems, Applied techniques: To bridge the gap between academics and industry and to equip the students for better career opportunities.

Through feedback mechanism and informal interactions with stakeholders, we get inputs which were translated into starting of new courses.



Electronics Department-UGC-COC-Course Valedictory Function



English Department- Intra-collegiate English Vocabulary Quiz



Mathematics Department- Mathematical Hockey



Inauguration of Science Exhibition *Anubhuti*



Interaction : Computer Science Department



Commerce Faculty-Inauguration of Exhibition-cum-sale *Cost fest*



Workshop on S.Y.B.Sc. Syllabus restructuring



Industry –Academia interface organized by Placement Cell

CRITERION II : TEACHING LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

Modern College is one of the renowned institutions in Pune city located in front of S. P. Pune University and surrounded by well known organisations like NCL, NCCS, NIC IISER, IITM. The college which was established in 1992 with a modest student strength has, in a very short span of time grown into a multi-faculty college with a student strength of 4,319. We have gained popularity as a college of repute in Pune City today through -

- Regular publicity of the Programmes in the newspapers.
- Broadcasts on TV channels.
- Visits of many eminent personalities as chief guests for different programmes
- Regular social awareness programmes such as the activities taken under ‘*Praudh Nirantar Shikshan*’, NSS unit, work with NGO’s.

During the period of admission, publicity methods adopted are -

- The information about the admission process is available on the college website which is regularly updated.
- Advertisements are regularly carried in the regional and national newspapers viz. Loksatta, Indian Express, Sakal.
- The college has enrolled with Shiksha.com for the advertisement of courses run by the college.
- Teachers and members of non teaching staff distribute pamphlets in schools and colleges running 10 + 2 course on the day of their result.
- Banners are displayed in nearby areas.
- Phone calls, emails and personal visits by candidate or their parents are entertained by the office.
- Admission committee of the college monitors the publicity of the courses as well as the entire admission process.
- All stakeholders play major role in publicity.

Transparency is maintained considering the instructions and guidelines given by the university as well as state government. Merit lists are displayed wherever the demand ratio is higher.

2.1.2 Explain in detail the criteria adopted and process of admission to various programmes of the Institution.

College has constituted course wise admission committees which supervise the overall admission process.

Under Graduate Programmes:

Students fill the online admission form which is checked and authenticated by the members of the admission committee. Admissions are given on the basis of previous qualifying examination. In case of third year B.Sc. course, students fill preference forms. The specialization subject is allotted by considering their choice as well as merit.

- **Post Graduate Programmes:**

M.Sc.(Computer Science) : Advertisement for the entrance examination is published in the dailies. Accordingly students fill the available online exam form. The entrance examination is conducted. 100% weight is given to the entrance exam marks while preparing the merit list. The merit list is displayed on college notice board as well as on college website and eligible candidates are granted admission.

M.Sc.(Microbiology), M.Sc.(Biotech), M.Sc.(Chemistry), M.Sc.(Zoology): Merit list is prepared on the basis of T.Y.B.Sc. marks. A counselling session is arranged for the admission procedure after which students are formally admitted.

PG admissions to the Arts Faculty are given on first come first served basis.

10% seats are reserved in management quota. Parent Institute receives the applications of the students who are willing to take admissions through management quota.

Reservation principles are strictly followed during the admission process. A senior faculty is appointed as an **Observer** to monitor the reservation policies.

Transparency is maintained by declaring the admission list and merit list in case of admissions of the courses for which entrance is taken.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

Name of the Programme	Percentage of marks	
	Minimum	Maximum
F. Y. B. Sc.	35	82
F. Y. B. Sc. (Computer Science)	40.46	75.85
F. Y. B. Sc. (Biotechnology)	47.38	85
F. Y. B. A.	36	90.46
F. Y. B. Com.	39	93
F. Y. B. Voc.	35	66.77
M.Sc.(Chem.)	52.91	93.08
M.Sc.(Micro)	56.75	86.75
M.Sc.(Zoology)	57	87.25
M.Sc.(Biotech)	62.21	76.83
M.Sc.(Computer Science)	46.16	84.58
MA(Economics)	49	80.04
MA(History)	40.25	79.38
MA(Sociology)	40.50	92

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?

The college constitutes faculty wise admission committees at the end of every academic year. Principal, Vice-Principals and staff members constitute the

committee and decide its procedures. The committee takes review of the previous year admission procedure and suggests changes if required. All the guidelines, necessary information regarding reservation policies and fee structure are conveyed to the members of admission committees.

During last three years it has been observed that more seats are available for M.Sc.(Microbiology) and M.Sc.(Biotechnology) programmes in nearby colleges. So instead of taking entrance examination, the college started giving admissions on the basis of merit of T.Y.B.Sc. examination.

Online admission procedure has been introduced from the year 2015-16. Labs with internet facility are made available for the students. Online admission data is reviewed and checked frequently through which compliance of the reservation and admission policies are governed. Current admission data is compared with the previous year data to observe the trend of the courses.

While checking the admission forms, the committee also studies the profile of the student. It is observed that more than 40% of the students are from rural area. They are guided and oriented regarding the subject/ course selection by the concerned faculty teachers. Economically backward students are advised to approach Students Welfare Committee for the information about various schemes like 'Earn and Learn', scholarships, free-ships etc.

Admission committee keeps a daily check on the compliance of state government and university regulations. Annual review of enrolment is taken every year. The committee members also collect the feedback about the admission process from parents and students.

Outcomes of the process

- True and fair representation of the data
- Smooth conduct of the admission process
- Transparency
- Parent/student friendly admission process.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion.

The Institution has decided the strategies by considering National commitment to diversity and inclusion. As a result there is increase from 46 % in (2011) to 48 % in (2015) in the enrolment of reserved category students. Also there is increase in the number of women students from 48% (2011) to 52% (2015). The different strategies used are as follows.

- **SC/ST/OBC:** The students are informed about the Govt. schemes and scholarships through notices and information shared on the college website. College has also received and utilized the UGC grant for remedial teaching for these students.
- **Women:** Information about scholarships is given to eligible girl students. 'Vidyarthini Manch' is a platform available for girl students through which various programs like self defence, Nirbhaya film festival, health awareness etc are arranged in association with Student Welfare Department of SPPU.

- A special workshop was conducted for **differently-abled** students to strengthen their will power.
- The college also runs ‘Earn and Learn Scheme’ for the needy students under Student Welfare Department of SPPU. Students are allowed to pay the fees in instalments. Some of the staff members sponsor the fees of needy students. Book bank facility is also available for **economically backward students**. ‘Gollapudy Scholarship’ is given to needy meritorious student.
- To motivate the non-Maharashtrian and international students, the college has taken special efforts under the platform ‘Beyond Borders’ and ‘Colors of India’. International Student Cell of the college assists students in their document verification. To overcome their communication barrier, college has prepared trilingual booklet.
- The college has a mechanism through which we provide information about the college, different courses and fee structure to the International Student Cell of S.P. Pune University that facilitates admission of students from SAARC countries and ICCR students.
- The college also has a collaboration with an organization ‘My Home India’ for North East students. We conduct meetings with NGOs that work for students from Jammu & Kashmir.
- Most of the marginalised students as well as those from other states and foreign countries are satisfied with the services and the support that the college provides and hence they recommend our college for admission to others coming from their village/state/country.

As a result of the above strategies, students from all strata of society are enrolled as reflected from the following table.

Category	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
SC	603	586	565	683	675
ST	112	137	133	179	178
Women	1909	2021	1980	2121	2180
NTB	99	86	85	82	82
NTC	62	89	73	71	71
NTD	71	74	84	117	116
DTA	20	30	32	63	52
OBC	648	655	639	716	710
SBC	49	45	52	60	60
Minority	36	178	89	156	156
Differently Abled	--	--	--	2	3
International NRI and SAARC	2	07	09	23	18
Other States	22	160	186	114	164

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends and actions initiated for improvement.

Progra- mme		2011-12	2012-13	2013-14	2014-15	2015-16
B. A.	No. of applications	194	300	255	351	379
	No. of students admitted	194	247	255	351	379
	Demand Ratio	1:1	1.21:1	1:1	1:1	1:1
B. Com.	No. of applications	867	851	745	730	1049
	No. of students admitted	610	615	620	651	655
	Demand Ratio	1.42:1	1.38:1	1.20:1	1.12:1	1.6:1
B. Sc.	No. of applications	437	515	442	529	555
	No. of students admitted	437	515	442	529	555
	Demand Ratio	1:1	1:1	1:1	1:1	1:1
M. A.	No. of applications	22	49	82	123	106
	No. of students admitted	22	49	82	123	106
	Demand Ratio	1:1	1:1	1:1	1:1	1:1
M. Com.	No. of applications	69	71	70	69	62
	No. of students admitted	66	60	63	62	60
	Demand Ratio	1.04:1	1.18:1	1.11:1	1.11:1	1:1
M. Sc.	No. of applications	791	1845	1529	978	1338
	No. of students admitted	174	171	187	200	201
	Demand Ratio	4.54:1	10.7:1	8.17:1	4.89:1	6.65:1
B. Voc.	No. of applications	Course started in 2014			52	82
	No. of students admitted				31	35
	Demand Ratio				1.67:1	2.34:1

The trends are studied by administrative authorities, a review of the demand ratio is taken and appropriate actions are initiated.

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

We always help differently abled students in all possible manner as per government guidelines. Such students are conveyed the facilities available for them through an orientation session. Feedback is collected about their needs and requirements. Some of the measures taken in this regard are

- Staircases with railings.
- Ramp and wheel chair facility is available. Also an elevator is made available for such students.
- Usually the classes are arranged on the ground floor.
- During examination special seating arrangement is done on ground floor for such students. According to the rule extra time is given for examination. Writer is also provided on demand.
- Audio CD's, books and headphones are available in the library for visually challenged students.
- Non-teaching staff and student volunteers also give the required assistance.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

We conduct baseline assessment of various parameters like socio-economic background, linguistic skills, subject knowledge, conceptual and application skills. Based on this analysis the following things are done:

- For some subjects theoretical inputs are given while in case of other subjects practicals, training about use of instruments is planned.
- Bridge courses are planned and a content module is designed.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice?

- Lectures are conducted to clear the basic fundamentals and concepts of students in subjects like Chemistry, Mathematics, Political Science, Psychology, English etc.
- Remedial teaching and Bridge course is conducted for slow learners.
- Bilingual method is used for teaching on student demand.
- Spoken English course is conducted to enhance language skills.
- Basics in Mathematics are taught to F.Y. Biotech. students with minimum awareness of the subject.
- History department arranges slide show for the students coming from other states to make them aware about historical background of Maharashtra.
- Practical classes in addition to those in the curriculum are conducted under DBT STAR college scheme.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

The college has students from 8 different countries and 17 different states. The institution creates a multi-cultural and inclusive ambience.

- **Gender Sensitization:** The following activities reflect the gender inclusive nature of the institution.
 - Workshop on gender sensitization for senior faculty members - Department of Psychology
 - Gender related problems are referred to the Counselling Cell
 - Guest lectures by experts are also arranged on topics such as 'Growing up Male'
 - Anti-sexual Harassment Cell, Anti-Ragging Cell and Student Help centre of the college are also active to resolve the problems. Boards of these Cells are displayed prominently in the college.
 - DISHA- Psychology study circle conducts discussions, Role Play and Case study analysis on gender and sexuality regularly. It has also conducted a study tour to Women's studies centre, SPPU where the students were given exposure to issues like gender and day to day violence.
 - Vidyarthini Manch conducts various activities for girl students.
 - Mahila Hitrakshan Samiti, Grievance Redressal cell are active in the college.
 - Gender Champion Club recommended by UGC as well as SWD, SPPU has been initiated in the college. One representative each from girls and boys have been identified as Gender Champion who help in the process of gender sensitization. Faculty member of Psychology acts as a Nodal teacher on gender issues.
 - Interactive sessions are organised for final year girl students of many faculties, on premarital counselling by the counselling cell.
 - 'Janeev Jagar' a full-fledged program initiated by the Government of Maharashtra was implemented in the college for girls and boys.
 - In all academic as well as extracurricular activities, boys and girls participate together without any restrictions. College has its own 'Ladies Dhol Pathak'. Out of total 17 Shiv Chatrapati awardees 13 are girl students. Every year one girl and one boy is elected as University representative of the college.
- **Environment:** The College is sensitive towards environment protection and always takes lead to arrange environment awareness programmes.
 - The college has set up Solar Wind Hybrid Power Generation Plant generating 13 KW energy per day thereby saving 40% of the electricity consumption.
 - Carbon audit is conducted to analyze carbon emission on the campus
 - Energy audit is also done to study power consumption.
 - Decomposition of organic waste, No vehicle Day, use of shredder for waste papers, Botanical garden, *Swacchata Abhiyan* are some of the related activities.
 - NSS unit of the college also runs activities such as tree plantation, decomposition of '*Nirmalya*' at *Chatushrunji* temple during Navratri

➤ **Health and Hygiene**

- Library has conducted three day certificate course on ‘Hurtfulness, Relaxation and Meditation’ by Ramkrishna Mission

2.2.5 How does the institution identify and respond to special educational / learning needs of advanced learners?

Advanced learners are identified on the basis of the merit list as well as their performance during the classroom teaching and laboratory interactions. Through the following activities advanced learners are encouraged:

- Competent students are encouraged to present and publish research papers and or poster in national and international conferences/journals.
- Encouragement to join value added Career oriented courses run by some of the departments.
- Competitive Examination Guidance Cell guides the students on various competitive examinations.
- Special subjects are allotted to Commerce students according to their merit.
- Meritorious students are encouraged to participate in the intra and inter collegiate competitions like project/poster competition, essay writing, quiz, seminar etc.
- Students are motivated to do inter disciplinary projects so as to develop research culture in them. Also they are encouraged to participate in the innovative research project competitions like Avishkar at university level. As a result students have developed live projects which are implemented in our college for eg. Time table display, examination billing software, gas sensor. Students are also encouraged to undergo industry training.
- One of the main activities run by the college is ‘Anubhuti’-Science exhibition. It is a platform through which students show their innovative ideas to develop scientific insights, technological skills, team building, analytical and reasoning skills.
- Career guidance is carried out through various cells like, career guidance cell, placement cell and counselling and vocational guidance cell.
- Some of the departments publish In-house magazines to publish research articles by students.
- A merit list is prepared on the basis of M.Sc. Part I performance and accordingly students are placed for industrial projects at national institutes.
- Laboratory facility is made available for extended hours for such students.
- Students are motivated to do research projects at reputed institutes like IISER, ICSR, Zoological Survey of India, Bombay Natural Society etc.
- ‘Best Student’ trophy is awarded to encourage meritorious student.
- NET SET workshop is organised for PG students
- Exposure to applications and advancements in emerging fields and cutting-edge work in respective subjects through expert lectures, interaction with experts and educational visits

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance of the students at risk of dropout who may discontinue their studies if some sort of support is not provided?

The institute collects relevant data from class advisors as well as from the

office staff.

- A Central Result Analysis committee is in place which collects the result analysis course-wise and subject-wise. After analyzing the data, they decide the policy for the academic improvement of the students.
- Every year remedial lectures are arranged for the academically weak students as well as for the students from disadvantaged sections.
- Earn and Learn Scheme is actively run by the college in which needy students are selected and paid for the work done on college campus. Government scholarship/ free-ship are given to such students.
- Free accommodation is provided to economically weak students and personal efforts are taken to provide them accommodation in nearby hostels.
- Personal counselling is done when students approach the concerned teacher.
- It has been observed that some girl students need special support in order to complete their education. Taking this into consideration parents are invited to the college and requested to not to give up on their ward. This strategy helps in retaining the girl students.
- Donors are identified who give financial support as well as work as mentors.
- Re-examination facility for students with serious medical problems.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules?

At the end of academic year, departments submit the road map for the next year. The Academic planning committee takes inputs from this as well as the suggestions from the management during academic audit. Academic calendar is prepared in which plans / schedules for academic, co-curricular, extracurricular and sport activities are planned by considering terms allotted by the university.

- Head of the department prepares the teaching plan for the academic year. He/She also distributes the workload and assigns the charge of different departmental committees/ activities..
- Time table committee prepares class-wise time tables for each faculty in the beginning of the year. Practical classes are also scheduled according to the completion of theory topics.
- Teachers maintain a Teacher's Diary consisting of teaching plans. At the end of each semester the diary is checked and signed by the authorities.
- The examination committee of the college organizes a meeting at the beginning of each semester to plan the internal theory and practical examination schedules. Faculty-wise examination committee takes care of all the work related to examination and result declaration.
- Taking into consideration, the schedule given by SPPU, the college prepares its own schedule for the submission of mark-sheets.
- With proper planning and implementation, First Year Central Assessment Program is successfully conducted twice a year according to the guidelines issued by SPPU.

2.3.2 How does IQAC contribute to improve the teaching-learning process?

IQAC plays an important role in the academic planning of the college. The following list illustrates the contribution of IQAC

- Professional experts as well as Alumni are appointed as member of IQAC to give inputs on the quality of teaching and learning and employability.
- Student representatives are invited during IQAC meeting to seek suggestions from students.
- Performance Based Appraisal System is run by IQAC committee to monitor teaching learning quality.
- Students feedback is collected through a formal mechanism and suggestion box.
- Organises workshops for teachers as well as non-teaching staff so as to ensure quality in teaching and learning.
- Teachers are encouraged to use ICT, adopt participatory and blended teaching methods.
- Frequent meetings with heads are conducted to monitor the academic activities.
- Departmental IQAC meetings are held for suggestions and improvement in infrastructure development
- Mobile learning through android is encouraged.
- FDP on 'Benchmarking in Higher Education' was organised to generate awareness among teachers also lectures by eminent academicians are arranged on understanding challenges in higher education.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

Following teaching methods are reflected in the following activities which achieves the aim of student centric learning.

Teaching Method	Activity	Learning Outcome
Hands on Approach	<ul style="list-style-type: none"> • Visits, • Projects, • Designing of electronic practical kits by students, • skill based certificate courses 	<ul style="list-style-type: none"> • Narrow downs the gap between industry and academics. • Participation in project competitions • Research paper publication
Self-learning	<ul style="list-style-type: none"> • Thinking Skill workshops by psychology Department, • Seminars/ PPT presentations by all departments. 	<ul style="list-style-type: none"> • Increase in thinking ability, • increase in referencing , subject knowledge, • communication and presentation skills • Familiarity with e-resources
Writing skills	<ul style="list-style-type: none"> • Publication of in-house magazines by Commerce, Psychology, English, Mathematics. 	<ul style="list-style-type: none"> • Increase in writing ability as well as inclination towards research.
Interactive teaching	<ul style="list-style-type: none"> • Problem Solving using games by Mathematics, • Class interaction, asking questions, assignments, 	<ul style="list-style-type: none"> • Enhancing interest in the subject • Comprehension, analytical thinking

	<ul style="list-style-type: none"> • E-Quizo, E-Techno by Electronics Department • Anubhuti: Science Exhibition, 	<ul style="list-style-type: none"> • Improves Technical skills • Scientific temperament
Applied Approach	<ul style="list-style-type: none"> • Vividha, • Yuva Saptah • Personality Development workshops • Soft skill workshops • Spoken English course by English Department. • Modi Script • Group Discussions 	<ul style="list-style-type: none"> • Entrepreneurship • Marketing skills • Exposure to extracurricular skills and hobbies • Overall development

The support structure and systems available for teachers are:

- Well equipped Laboratories
- Internet facility in each department
- LCD projectors in laboratories as well as in the classrooms
- Central as well as departmental libraries with rich collection of books and e- resources
- Central Instrument lab as well as common computing lab.
- Budgetary provision for student centric activities.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- Every year under Science Association various activities are conducted for science students, one of them being *Anubhuti*. It is a platform available for students to explore their scientific temper, creativity, presentation skills and innovation.
- DISHA, the Psychology study circle is a platform that works throughout the year to build high order thinking skills amongst the students by way of methods such as role play and vignette analysis to nurture critical and creative thinking. Visits to community based research organisations are preceded by briefing and followed by debriefing sessions in order to enable the students to discuss the applications of Psychology and wider social sciences. All the discussions in DISHA, reports of educational visits as well as interviews of experts and independent research projects are published in 'Kaleidoscope', the student research journal. This enables the students to connect concepts, theories, practices and Psychology as a social and behavioural science. Students are encouraged to participate in national research paper reading competitions. Six students participated in two national conferences and their papers have been published in a compendium titled 'Mindscape'.
- Hands on training for students.
- Students are motivated to present their projects / papers / seminars in competition like Avishkar [SPPU] and other intercollegiate competitions
- Students also develop their projects in reputed institutes like NCL, NIV, IISER etc.
- Some of our students actively participate in National and International seminars to present their research papers .

- Commerce faculty organizes various programs like Cost Fest, Hands on Trainings, Business Plan competitions, Commerce Horizon, a research based magazine by Commerce, Bank Connect, Web Directory
- Arts faculty has initiated activities like ‘What’s The Good Word?’ by English department ‘Kaun Banega History Scholar?’ by History department, Flair magazine by English Department, Jidnyasa, History study circle etc.
- *Vividha* - a platform for Exhibition –cum-Sale for promoting business knack and communication skills. Yuva Saptah gives exposure to various talents among youth viz. poetry reading, elocution, business proposal competition, rangoli and mehendi to name a few.
- Workshops on skills such as jewellery making, paper bags, Warli painting are conducted.
- Microbiology department organizes rangoli and salad decoration competition on different themes based on science.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching?

To motivate the teachers for the use of ICT in teaching, college has provided all necessary infrastructure.

- College provides internet facilities to each department which is used by the staff as well as by students
- Laboratories are well equipped and have latest configured computers with latest software as well as electronic kits required for the practical classes.
- Sufficient number of classrooms is equipped with LCD projectors. As a result staff as well as students frequently use power point for presentation
- Library has subscription of DELNET and NLIST consortia through which more than 51,000 e journals and e- books and other scholarly publications are made available. College also has a separate Digital library consisting of adequate number of computers.
- Screening of educational films/ video lectures/ slide shows.
- Due to ban on the use of live animals for dissection, animated dissection is shown to the students.
- Some staff members have their blogs activated for the research activity.
- Social media like WhatsApp and e-mails are regularly used for sharing knowledge.
- History department started Historical Documentary Film Club
- ‘Tell Me More’ software in Language laboratory is used to train the students at Primary, Intermediate and Advanced levels.
- Department of English organises screening of films based on texts and plays prescribed in the syllabus. The screening is followed by critical analysis of the text and discussion.
- Department of Psychology familiarizes the students with web-resources in Psychology and conducts assignments based on them.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills?

Recognising that in addition to class room teaching, it is essential that students and faculty get a perspective in their subject, the following initiatives are taken:

- The college organises various workshops, seminars conferences about the latest development on the respective subjects.
- Our staff members also attend faculty development programs, training programs, organised by other organisations.
- Teachers get the research grants for their projects by funding agencies like BCUD, UGC, ISRO, etc.
- College has membership of reputed libraries like British Library, MCCIA, Gokhale Institute and Jaykar Library, SPPU.
- Students as well as staff members attend hands-on trainings, workshops, national and international seminars and conferences within the college and outside.
- Students have participated and won prizes at national level paper reading competitions.
- Guest lectures are arranged for the staff and students.
- Staff members are encouraged to participate in national and international paper and poster presentation competitions.

2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/ mentoring/ academic advise) provided to students?

- At the time of admission students are given guidance to choose the right course / subject by the member of admission committee.
- Principal, Vice-Principals and Heads of the Department regularly guide the students and parents.
- Principal addresses first year student at the beginning of the year and gives information about all the facilities and activities of the college.
- Personal and social issues are resolved in the counselling centre.
- The committees like anti-sexual harassment cell, anti-ragging cell and student help centre are actively working to solve the related problems.
- Class advisors of each class discuss and talk to the students about their academic and personal problems if any.
- Competitive examination cell arranges career guidance lectures.
- College has a placement cell which takes care of the placement, career guidance, personality development, interview skills etc. The cell also arranges trainings for the students in collaboration with some companies for the employment of the students.
- Interactions with experts through classroom activities help students choose career path by exposing them to different fields of study.
- Student's feedback is collected through formal emails and suggestions to the principal and the same are resolved.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative

approaches and the impact of such innovative practices on student learning?

The Management always encourages teachers to implement their innovative ideas in teaching and provides the necessary support. Some of the innovative techniques / teaching methods used by the staff are as follows

- Teachers encourage the students to design and implement live projects.
- Teachers conduct role plays, seminar presentations, sessions of hands on training for student- centric teaching.
- Use of ICT through educational videos and software, e-content, e-books, lectures in the form of power point presentations
- Use of games such as Mathematical Hockey by the Department of Mathematics, Snake and Ladder by the Department of Electronics for problem-solving.
- Students are guided for competitions such as film making, elocution competitions to inculcate environmental as well as social issues.
- Screening of films based on texts and plays by the Department of English
- Management encourages teachers to undertake major and minor research projects, to attend refresher and orientation courses. Faculty development programmes /seminars are arranged on the topics such as ‘Computer Operation and Security’, ‘How to use Online Resources’, ‘Exploring Effective Pedagogies in Mathematics’ etc. thereby motivating teachers to use innovative approaches.
- Two of our staff members have received ‘Innovative Teaching Award’ from SPPU.

2.3.9 How are library resources used to augment the teaching- learning process?

The Central Library has a separate digital section with 12 computers to access e-journals, e-books and other e-resources. Various CDs, DVDs are also available in the Library. During examination period library reading hall is open for 12 hours. Some of the departments also have separate departmental libraries consisting of rich collection of books.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If ‘yes’, elaborate on the challenges encountered and the institutional approaches to overcome these.

Since the college is affiliated to SPPU, teachers have to complete their syllabus within the given time frame. The college being a multi-faculty the examination schedule stretches over a long duration. This sometimes is an impediment to regular teaching schedule. The following measures are taken to overcome the challenges:

- Extra lectures/ practical classes are conducted on holidays for which all the resources are provided by the college.
- Internal exam time is arranged in such a way that no lectures are disturbed
- If the lecture hall is used for the examination, then alternative arrangements are made.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

The institution monitors the quality of teaching learning in the following ways:

- Teacher's diary is maintained and monitored.
- Performance Based Appraisal System which includes self appraisal as well as appraisal by institutional authorities is adhered to.
- Teachers apply for career advancement schemes as well as the evaluative mechanisms which are indicators of quality of teaching learning in the institution.
- Common staff meetings and departmental meetings are conducted time to time.
- HODs, Vice-Principals and Principal keep a vigil on daily teaching schedule
- Feed back is sought from students and their representatives through formal and informal mechanism
- Subject-wise result analysis is carried out and corrective measures are employed.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

Highest Qualification	Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	
Permanent teachers					
Ph.D.	03	04	04	17	28
M.Phil.	-	-	02	05	07
PG			24	50	74
Temporary teachers					
Ph.D.			03	02	05
M.Phil.			00	01	01
PG			01	11	12
Total					127

➤ Recruitment

Teachers are recruited by the College following the guidelines of UGC, SPPU and State Government.

- Number of posts are calculated and sanctioned based on the workload in each subject every year
- The roster as per reservation rules is approved by SPPU and the State Government.

- All vacancies are advertised in national and local newspapers.
- A selection committee is constituted according to the statutes of SPPU.
- Based on the report of the selection committee, appointment of a teacher is finalized.
- If the post is not filled due to non-availability of qualified candidate for the respective category, the post is not left vacant but filled on ad-hoc basis. Competency of a fresh candidate is evaluated through demonstration lectures.

➤ **Retention**

The institution tries to help and support its staff members to perform their duties efficiently and also tries to avoid attrition.

- Teachers are encouraged to attend various seminars, conferences and trainings in their respective subjects.
- Best teacher award is given by the parent institution as an incentive
- Eligible teachers are encouraged to apply for Career Advancement Scheme.
- Staff is motivated for research work to acquire academic excellence.

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

The College follows different strategies to manage new programmes and emerging areas of study. It has well qualified and experienced teachers for teaching new courses.

- A remarkable number of staff have registered for and completed M. Phil as well as Ph.D. Programmes.
 - Healthy research culture on the campus helps to upgrade the knowledge in latest technologies.
 - Many of our staff members are doing minor and major research projects in the modern areas which improve technical skills.
 - Research funds from projects are used in upgrading infrastructure facilities thereby improving teaching.
 - Staff members attend various seminars or training programmes to upgrade their knowledge.
 - The college invites eminent scholars and academicians from University Departments, National Research Institutes and industries for expert guidance.
 - In addition, the college appoints visiting faculties
- The outcome of the above is
- Student exposure to higher order of research and academics
 - Augmentation of laboratory and other related facilities
 - Improved results and placement.
 - Increase in number of students pursuing higher education and getting research scholarship in India and abroad.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

- a) Teachers granted duty leave to attend staff development programmes

Name of the Course	Number
Refresher Courses	26
HRD programmes	33
Orientation Programmes	14
Staff training conducted by the University	04
Staff training conducted by other institutions	12
Summer / winter schools, workshops, etc.	04

- b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning.

Faculty Training Programmes

Program Details	Level	Department	Date
Training Program on 'Lab View and Matlab'	College	Electronics	5 March 2015
Basic Computer Operations and Security	College	Staff Academy	11,12 December 2015
Faculty Development Program	UGC Academic Staff College	Department of Social Sciences	July 2014

Teaching Learning Methods/Approaches

Program Details	Level	Department	Date
Workshop on ' <i>Anter-vidyashakhiya Abhyasachi disha</i> '	District	History, Sociology, Economics	6 February 2013
State Level Seminar on 'Exploring Effective Pedagogies in Mathematics'	State	Mathematics	9 January 2016

Handling New Curriculum

Program Details	Level	Department	Date
Workshop on S.Y.B.Sc syllabus	District	Chemistry	28 Sept. 2013

Content/ Knowledge Management

Program Details	Level	Department	Dates
Workshop on 'Monsoon Forecasting'	National	Geography	11 to 13 August 2011
Seminar on 'Role of Mathematics in Life Sciences'	State	Mathematics	6 & 7 Feb 2012

Ancient Indian Culture History & Archaeology	District	Arts	17 December 2011
Conference on ‘Emerging Trends in Entrepreneurship : A Global Perspective	National	Commerce	1 & 2 February 2013
Conference on ‘Faunal Diversity: Assessment and Conservation’	National	Zoology	22 & 23 January 2016

Selection, development and use of enrichment materials

Program Details	Level	Department	Dates
A Lecture on ‘Importance of Scientific Information or Literature Search’	College	Library	29 September 2011
Conference on ‘Emerging Trends in Entrepreneurship: A Global Perspective	National	Commerce	1 & 2 February 2013

Assessment

Program Details	Level	Department	Dates
Examination Reforms	College	Examination	29 September 2015

Cross -cutting Issues

Program Details	Level	Department	Dates
Presentation Sessions on National Mission ‘Transforming Indians to Transform India	College	Library	17 & 18 December 2012
Symposium on ‘Empowering Women in Higher Education Institutions’	National	Arts	25 & 26 September 2013
Workshop on Gender Sensitization	College	Psychology	October 2015

Audio Visual Aids/ Media

Program Details		Department	Dates
Workshop on ‘Latest Cloud Computing Technology’	State	Library	7 October 2013

Teaching Learning Material Development, Selection and Use

Program Details	Level	Department	Dates
Newer Trends in Chemical Research and Writing of	National	Chemistry Under	2 Feb 2012

Scientific Research Papers		QIP	
Workshop on ‘ How to Handle E-Resources’	College	Library	31 August 2012
Workshop on ‘Exploring ABCD Open Source Software’	Inter-national	Library	5 March 2013
Sci-Finder Awareness Program	College	Library	9 July 2014

Other

Program Details	Level	Department	Dates
Workshop on ‘ Unleashing Potential for Personal Effectiveness’	College	Staff Academy	12 & 13 July 2014

- c) Number of faculty invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies

International	National	State	College
08	04	04	102

- d) Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies

International	National	State	College
61	148	56	131

- e) Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies

International	National	State	College
75	104	09	06

2.4.4 What policies/systems are in place to recharge teachers?

The institution aims at continuous development of faculty members

- The parent institution has started a research journal ‘*Dnyanamay*’ to promote research activity.
- Staff Academy of the college arranges seminars and programs for teachers. A course on ‘Basic Computer Operations and Security’ was conducted in 2015.
- Personality development workshops such as Art of Living, IETR elaborate are arranged for the staff.
- Management always supports the staff for organising as well as participating in conferences and seminars. Registration charges are borne by the college. Duty leave is sanctioned for such purposes.

- Teachers are encouraged to participate in the Faculty Development Programs in their respective subjects.
- Teachers are granted study leave under Faculty Improvement Program.
- Teachers are encouraged to submit research proposals to funding agencies like Board of College and University Development (BCUD) and University Grant Commission. Research committee of the college helps teachers in this regard.
- There is a special budget provision for research grants. Seed money is also made available to the teachers for research.
- College has individual and institutional memberships of libraries of repute. DELNET, INFONET facility is also available where one can access innumerable journals. Internet facility is also available in each department.
- Library conducts workshops/seminars on use of e-resources. Department of Mathematics has conducted a seminar on 'Exploring effective Pedagogies in Mathematics'.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Academic Year	No of faculty who received awards/recognitions			
	State	National	International	Local
Total	10	10	08	04

Felicitation of staff members, academic achievers and continuous motivation and encouragement by the institution has resulted in consistent positive performance of the faculty members.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

- There is a formal mechanism for obtaining annual feedback from students on teachers' performance. Feedback committee analyses the data which is assessed by the higher authorities. Suggestions are given to the teachers for improvement.
- Academic audit is also done at the Management level.
- Advice is sought from the external experts on IQAC
- Teachers fill in API forms every year which are scrutinized by the IQAC and Principal
- The API scores are verified in CAS by the University experts.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

College has appointed College Examination Officer (CEO) to look after examination and evaluation process. CEO facilitates communication between the college and university regarding examination issues. Examinations in all the faculties are scheduled and conducted under the guidance of Principal and CEO.

The evaluation process is communicated to the staff in the following ways:

- The internal examination schedule is finalised in consultation with the examination committee members, Vice Principals and the same is communicated to every department.
- In the departmental meetings, the Head of the Department conveys the evaluation process to the staff members.
- Special staff meeting is arranged to communicate information and instructions related to examination as well as Central Assessment Program.
- Examination schedule is also earmarked in the academic calendar.

The evaluation process is communicated to the students in the following ways:

- Academic Calendar
- Prospectus
- Principal's address to first year students
- Sharing of information regarding examination schedule, evaluation process, semester-wise / term-wise syllabus, paper pattern and weightage of marks by individual teachers at the beginning of the academic session.
- Notices and timetables are displayed in advance and are communicated through college website
- University website also displays the university exam time tables.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

Major evaluation and examination reforms implemented at university level are:

➤ Reforms in Examination System

- Online examination forms
- Barcode system
- Online question papers
- Photocopy of the answer books is made available to student on demand

➤ Reforms at UG level

- First year examination, evaluation and result declaration is at college level
- Evaluation of students on the basis of field trip / educational visit report
- Semester wise Credit system for F.Y. B.Voc. students

➤ Reforms at PG Level

- Choice based credit system has introduced continuous internal assessment, innovative methods of evaluation creating a learning environment throughout the year. It keeps the students focussed and attentive in the classroom.
- Internal Evaluation consists of continuous assessment in the form of descriptive tests, objective tests, seminars, assignments, presentations and

- open book tests. 50% weightage is given for the internal assessment.
- University has introduced extra credit applicable courses such as Cyber Security, Human Rights and Biochemical techniques.
- **The evaluation reforms which are initiated by the institution are**
 - First Year Central Assessment Program is conducted as per university guidelines, procedure of masking of the answer books is done to ensure confidentiality.
 - Billing software for examination bills is developed by our students which are used by the college office.
 - First year examination system is designed on the lines of the University examination system which includes filling of forms, printing of mark-list and declaration of results

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

Evaluation, being a sensitive and important part of examination system, college is always vigilant. Following initiatives are taken by the college in this regard.

- Separate laboratory with internet facility is made available to the students for online submission of examination forms under teachers' guidance
- Orientation of teachers on Bar code system
- Faculty wise internal examination committees are formed to look after all the internal exam related work right from preparing of time table, online mark entry, submission of mark lists.
- The guidelines for implementation of the credit system for post graduate course are given by the university. At departmental level a policy is decided to choose internal evaluation method
- College provides all the essential resources including ICT facility for evaluation of the student.
- Lectures on the subjects with extra credits by eminent experts
- Departmental Head/ Coordinator monitor the overall evaluation process for PG departments.
- Exam supervision duties are allotted to college staff and internal squad is constituted to check unfair means during examination
- Teachers are requested to be in regular contact with the college during vacations in case of any exigency.
- CEO co-ordinates all the matters pertaining to examination.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

Students are assessed by following methods throughout the year

Formative methods	Summative methods
<ul style="list-style-type: none"> • Class tests • Assignments 	<ul style="list-style-type: none"> • Viva • Project

<ul style="list-style-type: none"> • Open book tests • Seminar / Presentations • Quiz • Group discussions • Internal test which include MCQ's, one line answers etc. 	<ul style="list-style-type: none"> • Final theory /end semester examination
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As a result, there is an increase in the attendance. Evaluation of the student's research project gives the summative evaluation. It also ensures the direction of their research work and methodologies. Formative methods like seminars, group discussions develop students' personality and interviewing skills.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students

The college has formed examination committees for the smooth conduct of examination and assessment process. University examination committee looks after university level examinations. Faculty wise internal exam committee looks after the internal examination assessment and its transparency.

- Transparency in internal evaluation is maintained by showing answer sheets to the students and taking their signatures on the answer sheets as well as on the mark sheet.
- Results are displayed on the notice board.
- Various criteria for evaluation are decided and discussed with the students in advance.
- Communication skills are tested through viva voce, project/ seminar presentation
- Internal marks for the practical course are given on the basis of student attendance, performance and journal presentation.

2.5.6 What are the graduate attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

Scientific insight, Deep knowledge of the subject, soft skills, communication skills, responsible citizens, employability and entrepreneurship are the graduate attributes of the college. These are attained through various co-curricular and extracurricular activities organised by the college.

Attributes	Source
Related to Knowledge component Scientific insight, Research aptitude, Deep knowledge of the subject	Classroom teaching, activities under Science association, study tours, Industry visits, In- house research magazines
Professional Attributes Employable youth and entrepreneur	Vividha, Cost fest, placement activities, competitive guidance cell, Entrepreneurship development cell
Behavioural Attributes	Soft skill workshops, Hands on

Life long learners, communication skills,	trainings, projects, paper presentations, <i>Vividha, Yuva Saptah, DISHA</i> .
Scientific temper , Social responsibility Responsible citizens	Various activities under NSS, environmental awareness activities. <i>Swacchata Abhiyan</i> , Work for NGOs
Skill and Competence Attributes	Capacity building workshops, Bank connect, Hands on trainings, Certificate courses.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

➤ College Level

First year examination and assessment is conducted by the college. Internal exam answer papers are shown to the students for verification and validation. Grievances if any are promptly resolved as per ordinances of SPPU. Photocopies of annual examination answer books are made available to students on their demand. There is a provision for revaluation too. Cases of unfair means of students in first year are resolved as per the ordinance of SPPU. Parents of such students are informed about the procedure.

➤ University level

University has a grievance cell. On the request of a student, a photocopy of the university answer book is provided following the university procedure. The student gets the photocopy within 15-20 days. In case of students desiring revaluation, the matter is communicated to the university by online requisition. The university looks into the grievance and takes necessary steps. The queries in the hall ticket and mark-sheet are addressed by the college and the university.

2.6. Student Performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?

Learning outcomes in the curriculum are prescribed by the University to which the college is affiliated. However, the college has clearly stated objectives regarding its academic goals. Besides imparting education in conventional streams, the college is always keen to introduce emerging skill-oriented courses. While doing so the college envisages the need for employability of its stakeholders by giving them a wide exposure to academics, research, extension and other co-curricular and extra-curricular activities.

The students and staff are made aware of these outcomes through regular interactions with our stakeholders, our publicity collaterals, college prospectus and website and during special occasions like Principal’s Address, College Management Interface, Alumni and Parent Teacher Meeting.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements and explain the differences if any and patterns of achievement across the programmes/courses offered.

- After every internal examination mark lists are displayed on the notice board.
- Subject wise result analysis is prepared by the departments.
- In case of continuous assessment of PG courses, internal marks are shown and signs are taken on the mark sheet.
- Answer papers are also shown to the students.

Year wise table of result analysis.

Course	Year	2011-12	2012-13	2013-14	2014-15
B. A.	Appeared	104	112	136	154
	Passed	65	73	89	109
	Percentage	62.5	65.17	65.44	70.77
B. Com.	Appeared	461	451	452	491
	Passed	323	279	278	258
	Percentage	70	61.86	61.51	52.54
B. Sc.	Appeared	302	290	266	321
	Passed	189	179	169	222
	Percentage	62.58	61.7	63.5	69.15
M. A.	Appeared	27	11	50	63
	Passed	24	08	45	60
	Percentage	89.14	75.72	90	95.23
M. Com.	Appeared	55	58	56	52
	Passed	34	35	37	43
	Percentage	61	60	67	83
M. Sc.	Appeared	161	164	163	169
	Passed	124	116	114	140
	Percentage	77	70.7	69.9	82.8

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The college follows teaching learning and assessment strategies to achieve Learning outcomes.

Teaching Strategies:

- A detailed academic plan is drawn out at the beginning of academic year.
- Class advisors are appointed
- Every teacher maintains teacher's diary consisting of teaching plan, result analysis etc. which is monitored by higher authorities.
- Teachers are encouraged to use innovative teaching pedagogies to facilitate learning of students

Learning Strategies

- Hands on approach is applied to minimize Industry academia gap
- Motivating research culture and student centric learning

- Improve practical skills through career oriented/ skill based courses
- Design curricular as well as co-curricular activities for overall development of students

Assessment Strategies

- First year CAP is conducted as per university guidelines
- Workshop organised on credit system implementation.
- Timely guidance by the principal regarding the assessment.
- Maintaining transparency in evaluation
- Identifying areas for improvement through continuous assessment
- Academic audit by the Management to monitor teaching learning process

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance of the courses offered?

➤ **Student Placement**

- Active Placement Cell conducts trainings on soft skill development, personality development, capacity building, interview techniques, resume writing, Image Building Workshop, Industry Connect
- Short term training by industries to improve employability
- On the job training to Commerce students by Vidya Sahakari Bank.
- Certificate courses imparting practical orientation to students employable.
- Summer training programmes.

➤ **Entrepreneurship**

- Entrepreneurship is promoted through *Vividha*, Cost Fest, Business Plan competition
- Constitution of Entrepreneurship Development Cell by Commerce Department

➤ **Innovation and research aptitude** is inculcated through the activities like

- *Anubhuti*- the science project exhibition through which student present their innovative ideas.
- Develop research aptitude by participation in ‘*Avishkar*’, innovative project competitions
- Encourage students to present research papers in conferences and publications in journals of repute and a compendium viz. ‘*Mind-scape*’ by the Department of Psychology
- Arrange interclass competitions, quiz, poster competitions

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The institution gets the data on student performance through

- Continuous assessment of the student during the year
- Subject wise result analysis.
- Student feedback
- Alumni feedback
- Parent teacher meetings

Use of data for planning and overcoming barriers of learning

- Slow learners are identified and remedial lectures are conducted.

- Spoken English Course by English Department to counter lack of proficiency in English communication.
- Monitor student attendance regularly, prepare defaulter list and counsel absentees for better performance.
- Based on the outcomes bridge courses are conducted.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

To monitor and ensure the achievement of learning outcomes the institution has designed various committees. The details are given below

Teaching learning process	Committees such as Academic Planning, Timetable, Feedback, Remedial coaching, Library, IQAC, Science Association, Examination and through Class advisors
Extra-curricular development	Through Arts Circle, Yuva Saptah, Competitive Examinations Guidance Cell, Placement cell

The principal monitors functioning of all the above mentioned committees. Each committee in-charge is asked to submit the report at the end of academic year. Heads of the departments also take periodic reviews from the staff regarding curriculum completion.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If ‘yes’ provide details on the process and cite a few examples.

Student’s performance, achievement of learning objectives and planning is assessed/ evaluated by the individual teacher. Academic evaluation of the students is an important part of college functioning.

UG students are evaluated through internal tests, viva voce during regular practical classes. Their communication skills and knowledge of the topic are tested through presentations. Practical knowledge is assessed through their projects.

PG students are assessed through continuous assessment method (CBCS). Seminars, presentations, orals, assignments, class tests, project work, field and industrial visits are some of the methods used for evaluation. The progress of the student is communicated to the student.

Feedback on students’ performance in interviews is obtained during campus placements. Special lectures/ workshops are arranged to improve their performance.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

It has been observed that the student having poor academic background at entry level shows remarkable improvement at the end of his/her UG/PG programme.



National Seminar on Entrepreneurship Development: Faculty of Commerce



Teaching through exposure to Tribal Arts : Department of Sociology



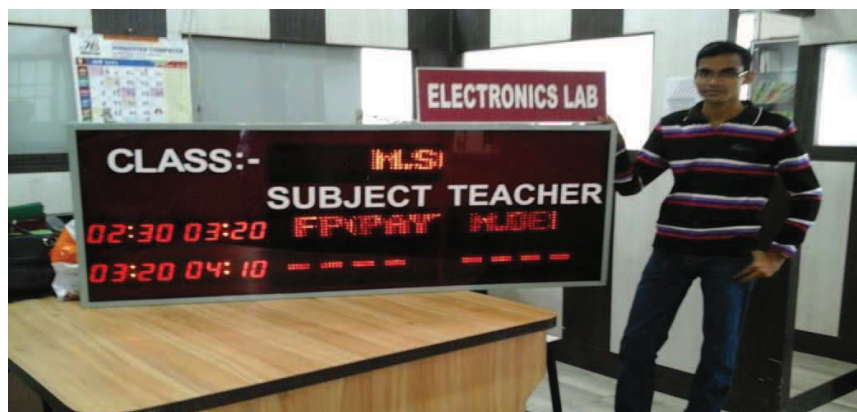
Role of languages in Advertisements



National Seminar on 'Empowering Women in Higher Education' : Arts Faculty



National Conference on Faunal Diversity : Department of Zoology



Time Table Display Board designed by our Student



Guest Lecture - Economics Department



State Level Seminar : Mathematics Deptt.



International pre-conference by Dept. of Statistics



Soft Skill Workshop



**Guest Lecture on
'Benchmarking in Higher Education'**



Workshop for Laboratory Staff

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

The college has a research centre in Microbiology. Proposals for research centers in Biotechnology and Chemistry are under consideration. The preparation of proposals for Computer Science, Sociology and Zoology are in process.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

The College has a research committee. The six member committee is chaired by the Principal of our college. The committee has representatives from all three faculties.

Prin. Dr. Sanjay Kharat	Chairperson
Dr. Ravindra Kshirsagar	Coordinator
Dr. Jyoti Gagangras	Member
Mrs. Shubhangi Joshi	Member
Dr. Patil Sanjay	Member
Dr. Sushma Katade	Member

Recommendations made by research committee:

- To inculcate research aptitude among the students.
- To make provisions for financial support from the college budget for the research activities of the faculty and students.
- To assign responsibilities to the committee members to provide research formats of all funding agencies and circulars to all the departments and to give guidance in preparing research proposals.
- Organization of State, National and International conferences.
- To encourage teachers and students to participate in seminars and conferences, to publish research articles/papers and to participate in competitions like Avishkar.
- To make provision for purchase of chemicals and instruments required for research.
- Organization of intra-college research competition: Anubhuti.
- To provide computer facilities with internet connection to every department.
- To subscribe to printed journals and e-journals.
- To publish a research compendium of papers published by the faculty every year.
- Organization of Avishkar orientation lectures for the researchers.
- Undertaking inter-disciplinary research.

Impact of Committee on research activities:

- Encouragement of the faculty to participate in writing research proposals to different funding agencies like UGC, BCUD (Board of College and University Development, S. P. Pune University, Pune), SERB, ISRO, DST, DBT, ISSR and ICSSR.
- Organization of state and national conferences and workshops like that held by the Departments of Economics, Mathematics, Zoology, Commerce and Arts.
- Increase in number of research publications in reputed research journals. Students of post graduate departments published their research work in reputed peer reviewed journals.
- Laboratories were augmented with research equipments, computer and internet facilities.
- e-journals were subscribed.
- UG and PG students of the college participated in the Avishkar project competition.
- We organized lectures by eminent speakers with emphasis on research aptitude and research methodology.
- The college has compiled research articles of all faculty members in a compendium. This is available in the library for students and others stake holders.
- Orientation lectures for the ‘Avishkar’ competition was organized for researchers of Pune district.
- Research Project Audit was carried out.
- Lectures and DBT Week was organized by beneficiary departments of the college under the DBT STAR Scheme.
- The college has appointed an Academic Research Coordinator who ensures smooth running of research projects in the college.
- The college also has a DBT advisory committee. The committee members have frequent meetings to discuss the agenda and plan various activities for DBT - STAR funded science departments.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

Faculty of the college is actively involved in research projects. The college research committee along with IQAC plans policies to promote research. The details are as follows:

- Autonomy to the principal investigator: The principal investigators are given autonomy to utilize and manage the funding received as per norms and guidelines of the funding agency.
- Availability or release of resources on time : College has rate contract with suppliers which help in ensuring easy and around the year availability of materials.
- Adequate infrastructure and human resources: the college has well equipped laboratories and library facilities. The college has developed a central instrumentation facility for the Science faculty. Every department is equipped with computers and internet facility for updating their knowledge on current research.

The college has received funds from DST- FIST, DBT and UGC for development of infrastructure. The staff members have received funding for individual projects from funding agencies like UGC, ISRO, SERB and BCUD S. P. Pune University. All these funds have led to upgradation of infrastructure. The college provides adequate administrative and technical support to ensures smooth implementation of these projects.

- Time-off, reduced teaching load, special leave to teachers: The staff members are encouraged to participate in seminars and conferences. Duty leave and study leave is sanctioned by the college for attending the same. The staff members are encouraged to carry out research work at research centers after completion of their teaching work.
- Support in terms of technology and information needs: All the departments are equipped with internet facilities. The college has made several resources available through college library including access to e-books and e-journals through Delnet and Inflibnet. The central library has taken institutional memberships of reputed libraries like British Library, Mahratta Chamber of Commerce, Jaykar Library and Gokhale Institute.
- Facilitate auditing and submission of utilization certificate to the funding authorities on time : auditing of research projects is carried out and utilization certificates are submitted to funding agencies. The administrative support staff from the office looks after financial matters related to research projects and provides all the necessary help to staff members. To facilitate ease in utilization, funds are transferred to the bank account of the Principal investigator.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The college conducts various activities for developing scientific temper, research culture and aptitude amongst students:

- The college encourages students to undertake small research projects. The Science Association of the college conducts project, poster and model building competitions every year as a part of the science exhibition 'Anubhuti'. Students are also encouraged to participate in inter-college project competitions as well as interuniversity project competition 'Avishkar' conducted by SP University of Pune.
- The college conducts popular science lectures by eminent scientists for undergraduate and postgraduate students. The college has an active alumni association wherein alumni share their research experiences and guide students.
- Six ninety three small research projects from nine DBT - STAR funded Science departments were carried out by undergraduate students in the year 2012-15, under the DBT-STAR college scheme. Postgraduate students carry out research projects every year as a part of the curriculum. A few of these projects are selected and presented as posters or research papers in State/National /International conferences. As an outcome of this, eighteen students have received awards and a few have published their findings in research papers.

- The Commerce Department publishes an in-house research based magazine, ‘Commerce Horizon’ and the Department of Psychology publishes research magazine ‘Kaleidoscope’ which invites contributions from staff and students. The activities such as wall magazine carried out by English and Psychology department also contribute to development of research aptitude among students. Guest lectures and workshops are conducted on research methodology and scientific communication for students of all faculties.
- Several staff members are involved in collaborative research with research institutes and various University departments. The project students working on such projects get opportunities to learn advanced techniques.
- We have received twenty six BCUD SP Pune University funded projects in the last five years. Every year two students carry out research under these projects and get an opportunity to present their research work in ‘Avishkar’, an inter University project competition.

Student participation in conferences (Paper /poster presentation)

Level	Number of participants	Awards received
International	5	3
National	19	10
State	3	3
Zonal	3	1
Interuniversity	4	-
Inter-college	5	9

The details of student participation are given in Annexure 3.1.4 page 538

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

There is an institutional research committee and academic research coordinator. The institute provides a conducive environment for research by different means. College applies to various funding agencies for funds for upgrading infrastructure. As a policy faculty are given duty leave for attending conferences, workshops etc.

- **Funded research:** faculty is given guidance for funding opportunities by the research committee. Autonomy is given to individual Principal Investigators to utilize funds received as per the norms. College provides required administrative support to researchers.
- **Unfunded research:** Individual research is carried out at a departmental level by students as part of dissertation projects under the guidance of concerned faculty. The institute spends on an average 0.51 % of their budget for procuring equipment and chemicals required for this research. A central instrumentation facility promotes interdisciplinary research.
- Eight staff members of our college are recognized M. Phil/Ph. D. guides and a total of 26 Ph. D. students have registered for Ph. D. under them. Fourteen staff members have registered for Ph. D.

- In a period of five years, the college secured forty two research projects (38 minor and 4 major) funded by agencies such as BCUD - SP Pune University, UGC, SERB and ISRO. A grant of rupees 10967100.00/- is sanctioned in above-mentioned projects. Thirty three staff members are involved in carrying out these research projects.
- In addition to the research projects funded by funding agency, 224 research projects carried out by PG students were funded by the college. Faculty involved in PG teaching guide PG research projects every year.
- The college collaborates with scientists/ researchers from various research institutes like NCCS, ARI, Genesis laboratories and departments of SP Pune University and many NGOs.

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

The college conducts several workshops, training programmes and sensitization programmes for staff and students every year. The programmes include college level, state level, national level and international level workshops, seminars and conferences. The main aim of these activities is to expose staff members and students to current research trends in various fields.

Details of workshops/ training programmes/ sensitization programmes are given in : Annexure 3.1.6 page 543

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

The teaching staff of the college is actively involved in the research activities in various fields. Details of prioritized research areas and the expertise available with the institution are given in **Annexure 3.1.7 page 545**

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

Our college is situated within the radius of five kilometer from various research institutes like National Chemical Laboratory, National Centre for Cell Science, National institute of Virology, Indian Institute of Science Education and Research, MACS Agharkar Research Institute and S. P. Pune University. This allows us easy access to these institutes. Eminent researchers of national and international repute from above-mentioned and other institutes are invited to deliver lectures organized in various events such as guest lectures, workshops and seminars. Such platforms expose teachers and students to current research areas. The college also arranges state level and national conferences wherein we invite scientists to deliver lectures. Young researchers of various research institutes present research papers in such conferences. This allows college students to interact with their peers. The staff members have collaborations and linkages with scientists from various research institutes. This allows the students to interact with such eminent scientists.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

As per the guidelines, sabbatical leave is not applicable to affiliated colleges. In spite of this, college takes initiative to sanction duty leave for participating in workshops, for research paper /poster presentation in International/ National conferences, attending seminars etc. This provision contributes to inculcating research aptitude amongst staff members and helps improve the quality of research. There is provision of sanctioning Faculty Improvement Program leave to staff members for carrying out individual research. The geographical location of college is such that various research institutes are in close proximity, which helps staff members pursuing individual research in adjusting the time schedule for research activity after completion of their routine work in college. Twelve staff members from various departments of our college are pursuing their Ph.D. As a result in last five years the faculty have published 169 research papers and have 42 research projects. Some of our staff members who are research guides also conduct individual as well as institutional research project.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land):

In order to make students aware of ongoing research in college, we take initiative in compiling of research publications in the form of in-house magazine ‘research compendium’ and it is made available to students. Projects with potential of lab to land transfer are identified for process of patent filing. The institute is also involved in transfer of relative findings of research of the institution through various research activities involving students to application of these techniques for benefit of society.

- Principal Dr. Sanjay Kharat in collaboration with Government of Maharashtra forest department has carried out compilation of information on diversity of fish fauna from Western Ghats and published it in the form of book which is available to various researchers in the field of fishery.
- Department of Zoology also conducts Apiculture, Sericulture, Insect pest management training programmes for the farmers.
- ‘Anubhuti’ and ‘Avishkar’ Research project competition: Many UG and PG students of science faculty participate in the project competition. The findings of the research projects help the students to understand various environmental issues.
- Soil and water analysis: Department of Chemistry and Microbiology are involved in small projects involving UG students. Every year Microbiology students analyze the drinking water samples from coolers in the college to ensure availability of safe drinking water on campus.
- Many activities get publicity in form of newspaper Articles
- Librarian Ms. Sangeeta Dhamdhare designed a Knowledge management model for higher educational institutes and published a book at an International level on the same topic.

- Under UGC-COC course in “embedded systems and applications” the undergraduate students of Electronics department have designed ‘Wireless sensor based agricultural application using soil moisture and temperature sensor’.
- Mr. Sougata Ghosh from Department of Microbiology has worked on medicinal plants and their application in diabetes management.
- The students of Commerce department have helped 172 people to participate in Pradhanmantri Jan Dhan Yojana under activity ‘Bank connect’.
- An exploratory study by Dr. Sadhana Natu on Youth suicides in Purandar Taluka, Pune District. It was a commissioned research study which helped to create an intervention of a suicide prevention help-line for the community

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

The institute earmarks 0.51% of the total budget for research. The major heads of expenditure include consumables, nonconsumables, hiring services and contingencies. Final allocation and utilization is given in the table below:

Budget head	Budget allotted (Rs.)	Utilization (Rs.)
Consumables	198800	152682
Non consumables	289860	200097
Hiring services	42500	8254
Contingencies	97500	24981
Total	628660	386014

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

There is a provision in the institute to provide seed money to the faculty for research. The institute provides 2.5 lakhs to teaching staff and three lakhs for student in the year 2015-16. Three faculty members availed the facility this year.

3.2.3 What are the financial provisions made available to support student research projects by students?

The college provides infrastructure facilities and various supportive requirements for research activities carried out by students. The financial provision is made available by the institute to conduct research orientation/training programs for undergraduate and post graduate research students. This orientation encourages the students to participate in various state, national and international conferences.

The college has made special financial provision for various in-house research activities like post graduate research projects, participation in Science Association activities, projects for Avishkar and Anubhuti, Commerce

Horizon and for magazine Kaleidoscope. DBT- STAR college scheme has funds for infrastructure development which have helped the college to upgrade research facilities.

Some of the faculty are recognized guides from Savitribai Phule Pune University, Pune, and give guidance to students pursuing Ph. D. under them. There are 26 students, who are carrying out Ph.D. under the guidance of research guides from our Institute. Four students are availing research fellowships from Savitribai Phule Pune University and one student is availing a UGC-CSIR SRF grant. Some students are appointed as project assistants on projects sanctioned by UGC, DST and ISRO.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The research committee of college and the staff members involved in research, identify the possibilities of collaborative research. As an output of this discussion few research projects were carried out in the college as follows:

- Effect of radiation through mobile phone on egg embryo, project between Department of Physics and Zoology, selected for participation in 'Indradhanush'.
- Analysis of sounds generated by Cricket project between Department of Physics and Zoology.
- Effect of radio waves on growth of plants, between Department of Physics and electronics
- Isolation and characterization of Oligophilic microbes from semen sample between Microbiology Department and Genesis laboratories and Department of Statistics, Savitribai Phule Pune University, Pune.
- Analysis of bacteria biodiversity in Mutha river between Department of Microbiology and National Centre for Cell Sciences.
- Isolation, Screening, Characterization, of PGPR (Plant Growth Promoting Rhizobacteria) from Rice rhizosphere soil-Department of Microbiology and ARI.
- Determination of bioactivity of some indigenous plants from Maharashtra between Department of Chemistry and Entomology Division, National Chemical Laboratory.
- The Department of Psychology has collaboration with Women's study centre, SP Pune University.
- The Department of Biotechnology has collaboration with the following:
 1. School of Applied Science, Royal Melbourne Institute of Technology, Melbourne, Australia (nanoremediation of river water)
 2. Environmental Sciences, SP Pune University (Environmental Biotechnology)
 3. Material Sciences, CSIR-NCL, Pune (Nanotechnology)
 4. B. J. Government Medical College, Pune (Multidrug resistance and its reversal)
 5. Department of Genetics, Osmania University, Hyderabad (Plant abiotic stress)

Challenges: Constraint of space and reference material required for interdisciplinary projects.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

All post graduate departments are equipped with instruments and equipments required for their research. There is central facility for the Science department in the Department of Biotechnology. Staff members and students make use of the facility, as per their requirement. Students of the Department of Psychology have accessed library and other resource material from Women Studies Centre, SPPU.

Common instrumentation facility include: Gel Documentation System, Rotary evaporator, UV-Visible Spectrophotometer, Ice Flakes Machine, Millipore apparatus, Thermal cycler, ultra cooling centrifuge, ELISA reader. Language laboratory facility is available to students of all faculties. Few departments of the college allow research students to work after office hours and during vacations in order to ensure optimal utilization of infrastructure. The college has a common computing facility, which is available to students and staff of various departments.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

The college has received funding of Rs. 2,13,72,234/- from UGC. Details are as follows:

- Infrastructure development funds under XIth Plan(Rs. 23,15,474/-) and XIIth Plan (Rs. 29,56,760/-)
- The Department of Microbiology runs a UGC sponsored career oriented course in 'Applied techniques in Industry and laboratories'. The amount sanctioned for the course is 10 lacs, of which the college has received 9 lacs.
- The Department of Electronics runs a UGC sponsored career oriented course in 'Embedded systems and applications'. The amount sanctioned for the course is 10 lacs, of which the college has received 9 lacs.
- UGC sponsored diploma, Advanced diploma and three year degree course in Food processing technology and Green house technology (Rs. 1,43,00,000/-).

We have received grants under DBT- Star college scheme. The college also received grants under DST-FIST scheme for development of infrastructure in Science departments.

Amount Sanctioned for development of research facility under various schemes: (Rs. in lacs)

BCUD	UGC projects	SERB	ISRO	DBT-star	DST-FIST	Other UGC funds	Total (Rs.)
39.31	39.24	27.00	10.52	45.00	82.00	213.72	456.79

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The research committee of the college provides information regarding various funding agencies to the faculty and also gives guidelines for preparing the draft of proposal.

The details of sanctioned, completed, proposed research projects during last four years are outlined below:

Nature	Minor		Major			Total
	UGC	BCUD	UGC	ISRO	SERB	
Sanctioned	3	-	1	-	-	4
Completed	9	24	1	1	-	35
Ongoing	-	2	-	-	1	3
Total	12	26	2	1	1	42

List of sanctioned, completed, ongoing research projects from different funding agencies are outlined in Table 1, **Annexure 3.2.7 page 547**

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The college has well equipped laboratories, good technological support and advanced library facilities. The college ensures smooth mobilization of available research funds received under contingency and research fellowships. Central instrumentation facility is available to researchers. The college has received grants for infrastructure development from various funding agencies like UGC, DST and DBT which allowed us to upgrade our research facility. Research guidance is easily available, as we have well qualified staff holding Ph. D. degree and having diverse research experience. Also eight faculty members are recognized M. Phil/ Ph.D. guides.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The IQAC of the college takes review of available infrastructure facilities and informs the management about the need of upgrading and creating infrastructural facilities. The management takes necessary action.

The college has received grants from various agencies like, UGC, DBT, DST for development of infrastructural facilities. This facilitates upgradation of existing infrastructure to cater to the needs of the researcher.

In order to promote research the college has taken various initiatives:

- The college has a research centre in Microbiology. We have sent proposals for research centers in Biotechnology and Chemistry, which are under consideration. The preparation of proposals for Department of Computer Science, Sociology and Zoology are in process.
- The staff members are encouraged and guided to write research project proposals.
- The college provides necessary technical and administrative support.
- The college has appointed Academic Research Coordinator for well coordinated research work within stipulated time.
- The college has MOU and collaborations with various nearby research institutions.
- Applying to various funding agencies for research and infrastructure development grants.
- Designing various student centric activities which will inculcate research aptitude among students.
- The college has Institutional Ethics and Research Review Board.
- The researchers can avail the facilities such as retiring room and accommodation is available in the hostel of our college.
- Residential facility along with computer and internet is available at 'Primio' Flat No. 501, Modibaug, Shivajinagar, Pune, for guest scientists and visiting researchers.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments / facilities created during the last four years.

The college has received grants under DBT-STAR college scheme. Nine science departments procured various laboratory equipments under the scheme.

Instruments Procured during the last four years are outlined in Table 1 outlined in Annexure 3.3.3. page 551

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

The college has several MOUs and collaborations with nearby research institutes which allows students to use research facilities outside the campus.

- The Physics department has collaboration for project on Astronomy with 'Khagolwisha': Instruments and research guidance are available.
- The students of Department of Microbiology can use facilities under various collaborative projects:
 1. Genesis laboratories (sampling facility) and Department of Statistics SP Pune University (software).
 2. NCCS: Molecular identification of bacteria facility.
 3. MACS Agharkar Research Institute: Molecular identification of bacteria facility.

4. MOUs under career oriented course- Jankalyan blood bank: ELISA facility, Kulkarni Laboratories: Soil and water analysis facility.
- Nearby research institute - NCL, IISER, SP Pune university departments: Equipments such as FTIR, tissue culture facility, GC etc.
- The Department of Sociology has collaboration with Women's study centre, SP Pune University: access to reference material.
- Department of Biotechnology has collaboration with Environmental Sciences (GC, AAS), SP Pune University, NCL (XRD) and B. J. Medical College (BSL-2 facilities), Department of Botany, Prof. Ramkrishna More College, Akurdi, Pune (Phytochemical analysis facility).
- Department of Electronics has collaboration with Bicard Pune, wherein the students use instrumentation facility in the company.
- Library facilities: The Library has developed consortium with various libraries with Developing Library Network (DELNET) and has taken institutional memberships of British library, Jaykar Library, Gokhale Institute, Mahratta Chamber of Commerce. The library also subscribes for e-books and e-journals through DELNET and UGC NLIST- Inflibnet.

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

The library subscribes for e-books and e-journals through Delnet, UGC NLIST-Inflibnet. The central library has developed consortium with other libraries like British Library, Mahratta Chamber of Commerce and Gokhale Institute. The library has an e- resource portal for sharing online free database and access to e-books and e- journals. The library also has active reference and referral service. Other research support related to citations, bibliographical formats, plagiarism and publishing is provided by the library to all researchers.

3.3.6 What are the collaborative research facilities developed/created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

- Library has received books from Bombay Natural history Society, MITCON, Alumni and print journal archives from IISER maintained in the departmental libraries.
- Dr. Nirmal Pandit has donated 100 books related to Human rights, adding to the available reference material on the subject.
- College of Agricultural Banking and financial inclusion centre, Vidya co-op. Bank has donated books to Commerce department.
- National Chemical Laboratory and NCCS have provided chemicals to researchers from Department of Microbiology.
- Central instrumentation facility was created in Biotechnology Department by procuring new equipments from School of Applied Science, Royal Melbourne Institute of Technology, Melbourne, Australia which provided chemicals and consumables for the research work.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

Patents obtained and filed (process and product):

The college has three Indian patents filed by a staff member from Department of Microbiology-

1. Ghosh, S., More, P., Jagtap, S., Chopade, B. A. (2013). Synthesis of novel copper nanoparticles with alpha amylase inhibitory activity by *Dioscorea bulbifera* tuber extract. Indian Patent (Filed) 3971/MUM/2013.
2. Ghosh, S., Jagtap, S., More, P., Chopade, B. A. (2013) A process for synthesis of bimetallic Au_{core}Ag_{shell} nanoparticles by tuber extract of a medicinal plant called *Dioscorea bulbifera*. Indian Patent (Filed) 3973/MUM/2013.
3. Salunke, G., Ghosh, S., Chopade, B. A. (2014) Innovative process for synthesizing Au/Ag bimetallic nanoparticles synthesized from *Plumbago zeylanica*. Indian Patent (Filed) 5/MUM/2014.

The college has shortlisted applied research projects with a potential for patenting: some examples are - novel antifungal biocontrol agent, a project carried out in Department of Microbiology, a keratin degrading bacterium from fish gut, being carried out by Department of Zoology.

Original research contributing to product improvement:

The research and ethical committee of college reviews the research findings to identify projects with potential for patent filing and product development.

The undergraduate students from various departments have carried out projects which have lead to development of new technologies which can benefit society.

List of projects leading to product development

Department	Class	Project details
Electronics	S.Y. B.Sc.	2014-15, Under UGC-COC course in Embedded systems and applications- Time scheduler which can display overall college timetable according to schedule.
	S.Y. B.Sc	2015-16, Under UGC-COC course in Embedded systems and applications- Thermometer for blind people
		2015-16, Under UGC-COC course in Embedded systems and applications- LPG gas sensor for detecting gas leakage
		2015-16, Under UGC-COC course in Embedded systems and applications- Wireless sensor based agricultural application using soil moisture and temperature sensor
Commerce BBA (CA)		Software for generating Jr. supervisor and other bills in examination cell of college.

Psychology		Developed a standardized psychometric tool titled “Attitude scale for MSW students”.
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Research studies or surveys benefiting the community or improving the services.

Faculty members from various departments are involved in activities which aim to benefit community or improve the services. The contributions vary from publishing books, inventing new technologies and conducting awareness programs.

- Principal Dr. Sanjay Kharat has published field guide of fresh water fishes in Maharashtra.
- Mr. Sougata Ghosh delivered a lecture on “Benefits of organic farming and potential of medicinal plants as complementary and alternative medicine” on 25th and 26th April, 2015 at Pani Panchayat, Saswad, Maharashtra to spread awareness among the farmers on scientific farming.
- Mrs. Varsha Bapat has developed several tools which can be used to improve farming:
 1. A Perimeter Control system using Laser fence and detector circuits for agricultural land. The farmers are experiencing large crop damages due to wild animal attacks and generally these attacks are at night when the security measures are loose in the crop field. This Perimeter control system is automatically switched ON at night and given a solar backup. When any animal or intruder tries to enter into the perimeter boundary, the laser fence detects the presence of the animal and activates the deterring devices like Flash lights, sound devices etc. This diverts the animals away from the crop field and the crop losses can be reduced. Field trials have been conducted at Saswad, Pune.
 2. A Crop Damage Assessment Tool is developed using MATLAB to analyze the crop damage caused by deer attack. Forest department have to compensate farmers for the crop damage caused by the wild animals. This simulation model can be used to analyze this crop damage.
 3. A Risk Analysis tool modelled for a village is developed using MATLAB which is useful to analyze the risk to the crops in a village and information about the fencing requirement is also given in order to avoid crop losses.
- Dr. Pallavi Bulakh carried out survey and has written a book titled Rajya Seva Mukhya Pariksha, Pearson publication, ISBN -9788131790601.
- Dr. Savita Sabnis has written a chapter in a book titled ‘Pratibimb: Uchcha shikshanache vividh aayam’.
- Dr. Sanskruti Awalganekar has published a book ‘Intra lingual Dialogue: A trilingual booklet’ for non Maharashtrian students.

- Ms. Sangeeta Dhamdhare has published a book on "Cloud Computing and Virtualization Technologies in Libraries." IGI Global, 2014, ISBN-13:978-3-659-58077-2, ISBN-10:3659580775, EAN:9783659580772, 160p, 64.90 €
- Ms. Sangeeta Dhamdhare has published a book on " Knowledge Management in Indian Higher Education System: Strategies, Processes and Applications. Lap Lambert Academic Publishing, Germany, 2014. ISBN-13:978-3-659-58077-2, ISBN-10:3659580775, EAN:9783659580772, 160p, 64.90 €
- Ms. Sangeeta Dhamdhare wrote a chapter on “The University Cloud Library Model and the Role of the Cloud Librarian” in S. Dhamdhare (Ed.), Cloud Computing and Virtualization Technologies in Libraries (pp. 150-161). Hershey, PA: Information Science Reference.
- Dr. Sadhana Natu has conducted an action research for a community in Purandar taluka of Pune district titled ‘Youth Suicides in Purandar Taluka, Pune District; an exploratory Study’. Based on the recommendation of this study a community based research organization, MASUM has planned to start a suicide prevention helpline.
- Department of Psychology had organized a fair to create awareness about mental health and applications of psychology among the community at large. In this activity the following initiatives were taken-
 1. Preparation and presentation of PowerPoint on ‘Myths about mental disorders’, Myths about psychological counseling and a live counter on meditation.
 2. Drawing and handwriting analysis tests were conducted for personality testing.
 3. Micro-expression gallery which displayed photographs of multicultural students and its analysis was also a part of this exhibition.

Research inputs contributing to new initiatives and social development

The college has taken initiatives for environment protection and has contributed to sustainable development of the society by installing wind and solar hybrid energy power plant and solar lights in college campus.

The research activities of various departments have lead to innovative practices contributing to social development.

- The research carried out by Department of Psychology has lead to the development of Disha group and several publications in Kaleidoscope
- Department of Marathi publishes ‘Shabdthagandh’ a collection of poems written by students, to encourage the habit of writing in the student community.
- Jidnyasa is an interdisciplinary forum for creating social awareness among students wherein activities like lectures by eminent scientists, visits to orphanages and other institutes etc are conducted.

- Department of Commerce contributes to social development through various activities
 - a. ‘Agro to campus’ an activity involving students and Abhinav Farmer’s club, a national award winning club which grows flowers and organic vegetables and sells its produce to various organizations including our college.
 - b. The college students contributed to Pradhanmantri Jan Dhan Yojana under activity ‘Bank connect’.
 - c. The commerce students help rural people to increase financial literacy through ‘Bank mitra’ in collaboration with College of Agricultural Banking RBI and financial inclusion centre of Vidya Co-operative Bank.
- Department of Geography has taken initiative in installing an automatic weather station which monitors parameters like temperature, humidity, rainfall, wind speed and direction which benefits student community and society.
- Department of Microbiology carried out water potability testing for samples from college water coolers.
- Department of Chemistry carried out soil analysis for farmers during NSS camp.
- Department of Electronics has developed WSN based soil moisture and temperature indicators for agricultural land: The idea of this project is to convey the field parameters such as soil moisture and temperature to the farmers through a wireless system.
- Trilingual booklet an effort by Hindi, Marathi and English Departments benefits student community.
- The library publishes an e-newsletter ‘Granthwedh’ twice a year which publishes book reviews, articles contributed by staff and students, updates on new arrivals, new services introduced and activities of college.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Institution journal:

Yes, P. E. Society publishes a multidisciplinary quarterly research journal named Dnyanamaya having ISSN number **2395-6898**, since August 2015. The editorial board has following composition:

Prof. Dr. Gajanan R. Ekbote	Chief editor
Prof. Mrs. Jyotsna Ekbote	Member
Prof. Prakash Dixit	Member
Prof. Dr. Rajendra Zunjarrao	Member
Prof. Dr. Kalyani R. Joshi	Member
Prof. Dr. Sanjay S. Kharat	Member

Prof. Dr. Pravin D. Chaudhari	Member
Prof. Sunita Adhav	Member
Prof. Dr. Vijayalaxmi Shrinivas	Member
Prof. Dr. Shashikant Dhole	Member
Prof. Dr. Shubhangi walvekar	Member
Prof. Nivedita G. Ekbote	Member
Prof. Shamkant Deshmukh	Member

Other college publications include ‘Commerce Horizon’, ‘Kaleidoscope’ and proceedings of international conferences.

3.4.3 Give details of publications by the faculty and students:

List of publications per faculty

Name of staff member	Conference Proceedings	Chapters in Books	Books	in Articles magazines/newspaper	Research papers			
					International, peer reviewed	National, peer reviewed	International	National
Dr. Sanjay Kharat	-	-	2	50	22	-	-	-
Dr. Sanskruti Awalgaonkar	-	5	3	6	-	1	-	-
Bapat Varsha	-	-	2	-	2	-	-	-
Bele Manisha	-	-	-	-	1	-	-	-
Bele Rajendra	-	-	-	-	1	-	-	-
Bhatambrekar S.S.	5	-	-	-	4	-	1	-
Bhatkhande Shruti	6	-	1	23	-	-	-	1
Bhakare Sharayu	-	-	-	-	1	-	-	-
Bulakh Pallavi	-	-	1	-	3	-	-	-
Chakraborti Shampa	3	-	1	-	-	1	-	-
Dande Vaidehi	-	-	-	-	1	-	-	-
Das Nivedita	-	-	-	-	2	1	-	-
Deepanita Bhanja	1	1	-	-	2	-	-	1
Deshpande Aditi	-	-	-	-	1	-	-	-
Dhamdhare Sangeeta	5	1	2	3	15	4	-	-
Dharmadhikari Amita	1	-	-	-	-	-	-	-
Gagangras Jyoti	3	-	4	-	-	1	-	1
Gandhile Rajkumar	1	-	-	-	-	-	-	-
Ghosh Sougata	-	-	-	-	1	-	-	-
Gosavi Sachin	-	-	-	-	1	-	-	-
Gupta Rekha	-	-	-	-	2	-	-	-
Hole Saroj	-	-	-	-	2	-	-	-

Inamdar Shakira	-	-	-	-	1	-	-	-
Joshi Shubhangi	2	-	-	-	-	-	-	-
Katade Sushma	-	-	-	-	-	1	-	-
Kharche Jayashri	3	-	2	-	-	-	-	-
Kopardekar Gauri	1	-	3	-	1	-	-	-
Kshirsagar Ravindra	-	-	-	-	1	-	-	-
Kulkarni Madhuri	1	-	-	-	-	1	-	-
Kulkarni Manjusha	3	-	-	-	1	-	-	1
Kulkarni Mukula	-	-	-	-	2	-	-	-
Kulkarni Neelima	-	-	-	-	-	1	-	-
Kulkarni V. M.	1	-	-	-	-	-	-	-
Kute Mohini	-	-	-	-	-	1	-	-
Meher Dipali	-	-	-	-	1	-	-	-
Modi Parekh Kavita	-	-	-	-	1	-	-	-
Natu Sadhana	4	-	3	-	1	-	-	-
Ogale Sneha	-	-	-	-	1	1	-	-
Patil Bharati	-	-	-	-	1	-	-	-
Patil Sanjay	2	-	-	-	-	1	-	-
Pooja Rana	-	-	-	-	3	-	-	-
Raval Prachi	1	-	-	-	-	-	-	-
Sabnis Savita	-	-	3	2	-	-	-	-
Sanap Sandeep	-	-	1	-	2	-	-	-
Satbhai Aswini	-	-	-	-	1	-	-	-
Sawale Shweta	1	-	-	-	-	-	-	-
Shah Parag	-	-	2	-	1	-	-	-
Shende Mamta	1	-	-	-	-	1	-	-
Shinde Abaso	-	2	1	2	1	-	-	-
Sonawane Anupama	-	-	-	-	1	-	-	-
Supekar Swapnil	-	-	-	-	-	1	-	-
Vinay Kumar	-	1	1	-	13	-	-	-
Total	46	10	32	86	93	16	1	4

Detailed list of publication for individual faculty are shown in Annexure 3.4.3 page 554

Student publications

1. Neha Naik (2012) Characterization of a new *Bacillus cereus* ATUAVP1846 strain producing penicillin V acylase, and optimization of fermentation parameters, *Annals of Microbiology*, Volume 62, Issue 3, pp 1287-1293, Print ISSN 1590-4261, Online ISSN 1869-2044
2. Sayed Nida Rizwan and Kunal Agarwal, Malvika Deshpande (2016) '*Withania coagulans* as a Promising Antibacterial Agent', proceedings of National Conference on Innovative Research in Life Sciences held at Sinhgad College of Science, Ambegaon (BR) Pune - 41 on 26th and 27th February 2016 ISBNo-978-93-5224-212-2 .

3. Aditya Eklare “Effect of Xenobiotics on *Gambusia* Fish” in *Proceedings of National Conference on Innovative Research in Life Sciences* held at Sinhgad College of Science, Ambegaon (BR) Pune- 41 ISBN no- 978-93-5224-212-2.
4. Aditi Khot and Shruti Thembe (2014) Production of biodiesel from poultry waste and degradation of remaining waste in *Environment Observer* ISSN- 2320.5997 Vol 18-Jan -14.
5. Moumita Das (2013) Isolation, Screening and optimization of parameters for biosurfactant production by microorganisms in *Proceedings of International Conference on Advances in Biotechnology and Bioinformatics* 25-27 Nov,2013 DPU,BRSI ISSN- 97881-92-6619-19.
6. Anirudh Negugal published paper entitled “Synergistic effects of insecticide and radiation on non-target organism *Clinotarsus.curtipes* in the National conference proceedings ISBN no-978-81-9285564-2-1
7. Prathmesh Kale (M.Sc II)-*Palegia research library* manuscript id no - EJEB-2014-2258

- **Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**

Total number of publications listed in international database is 93.

- **Chapter in Books/Books Edited/Books with ISBN/ISSN numbers with details of publishers**
Details of books are shown in Table 2 Annexure 3.4.3
- Citation Index/SNIP/SJR/Impact factor/h-index

Sr. No.	Staff Name	Google scholar		
		Total Citation	h-index	i10-index
1	Dr. Sanjay Kharat	72	5	5
2	Mrs. Sneha S. Ogale	9	1	-
3	Dr. Neelima Kulkarni	134	4	4
4	Dr. Kavita Parekh	18	2	1
5	Sougata Ghosh	308	10	11
6	Dr. Madhuri S. Kulkarni	10	0	2
7	Dr. Mukula Joshi	52	3	3
8	Dr. Sushma R. Katade	80	3	5
9	Dr. Mohini Kute	4	0	1
10	Dr. Nilesh Rathod	4	-	4
11	Nikita Parekh (Nalawade)	23	1	1
12	Dr. Vinay Kumar	293	9	9
13	Dr. Mruthunjaya	65	1	3
14	Ruby singh	4	0	1
15	Dr. Sushma Pawar	12	1	2
16	Dr. Pathania Pooja	21	1	2
17	Dr. Nikita Parekh	23	1	1
18	Ms. Sangeeta Dhamdhere	38	4	1
19	Dr. Ravindra Kshirsagar	12	2	0

20	Dr. Shubhangi Bhatambrekar	1	1	1
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Research awards received by the faculty

The college staff participates in national and international conferences and is involved in presentation of research papers and posters. Some of the staff members have received awards such as:

- Young Scientist Travel Grant by SP Pune University, for presenting paper at 16th International Symposium on Electronic Theses and Dissertations ETD 2013, organized by Hongkong University Libraries between 22nd September to 26th September 2013, at Hongkong University
- Travel Grant by University Grants Commission for presenting paper at international conference on knowledge management and resource sharing, organized at Waljat College, MUSCAT in the year 2012.
- Fellowship to attend three weeks workshop on “E-Discovery Tools” at Antwerp University, Belgium from Belgium Government.

Awards received by the faculty:

Sr. No	Name of staff member	Details
Microbiology		
1	Mrs. Sneha Ogale and Dr. Neelima Kulkarni	First prize for poster presented at International Conference on ‘Application of Advanced Technology for Enhancing Quality of Science Education’, held at Modern College of Arts, Science & Commerce, Shivajinagar, Pune.
2	Dr. Kavita Parekh, Ankush Bhat, Parnal Joshi	First prize in poster presentation competition at national conference ‘Dynamic Microbes: Role in Human welfare’ held at P.E. Society’s Modern College Shivajinagar, Pune
3.	Dr.Sougata Ghosh	First prize in oral presentation at Third International Conference on Nanotechnology for Biological and Biomedical Applications (Nano-Bio-Med, 2015)
4	Mrs. Ashwini Satbhai, Pachau Lallianmawii	First Prize in poster presentation competition at National conference ‘Dynamic Microbes: Role in Human welfare’ held at P.E. Society’s Modern College Shivajinagar, Pune -5.
5	Dr. Neelima Kulkarni	1 st prize for poster presented at International Conference on ‘Innovative Trends in Chemical, Physical and Biosciences’, organized by Dept. of Microbiology, Annasaheb Magar Mahavidyalaya, Hadapsar, Pune.
6	Dr. Manasi Tukdeo	1 st prize for poster presented at International Conference on ‘Innovative Trends in Chemical, Physical and Biosciences’, organized by Dept. of Microbiology, Annasaheb Magar Mahavidyalaya, Hadapsar Pune.
7	Dr. Sadhana Natu	1 st prize for the reference book titled ‘Samajik Manasshastra’, Pearson Publications instituted by <i>Marathi Manasshastra Parishad</i> , Pune

Chemistry		
7	Dr. Mukula Kulkarni	Won 2 nd prize for paper presentation in 3 rd Asia Pacific Symposium on Radiation and Photochemistry.
8	Dr. Madhuri Kulkarni, Dr. Sushma Katade Dr. Mohini Kute	Paper presentation in International conference “Global challenges-The role of chemistry in giving their solutions, at Bangkok
9	Mrs. Revati Nagarkar	First prize in the National Conference held at Y.M. College, BVP, Pune on 13 th -14 th February, 2012.
10	Mrs. Gayatri Shrotriya	First Prize for a talk on “Shikshan Yog” in 18 th National Conference of Jyotish at Shegaon.
11	Dr. Mohini Kute	Best Oral Presentation award at National Conference on Frontiers in Physical Chemical and Biological Sciences at Department of Chemistry, SPPU .
12	Dr. Sushma Katade	2 nd prize for poster presentation at National Conference on Faunal Diversity:Assessment and Conservation, at Modern College, Ganeshkhind, Pune
Biotechnology		
13	Dr. Vinay Kumar	SERB-DST Young Scientist

Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

Faculty from Zoology, Biotechnology, Microbiology, Library and English department are members of editorial boards of International peer reviewed journals. Few Faculty members work as Reviewer for International Repute Journals. Faculty from the Department of Psychology is a member of a national level Project Advisory Committee of a Research Organisation and a multi-national company

Incentives given to faculty for receiving state, national and international recognitions for research contributions.

- The staff is felicitated for their achievements and research contributions on occasions such as Independence Day, Republic day and annual prize distribution day.
- The staff members are encouraged to present papers in international conferences. Few staff members have received travel grant from UGC, BCUD etc.
 - Ms. Sangeeta Dhamdhare has received Rs. 1.1 lac, as travel grants for research paper presentation at international conferences held in Muscat and Hongkong.
 - Dr. Patil Sanjay received Rs. 170,670/- sanctioned by UGC as travel grant for paper presentation by Association of American Geographers, USA - Planning of Irrigation for Sustainable Agriculture in Pune District at Tampa, Florida, USA, held between 8th – 12th April, 2014.
 - Dr. Vinay Kumar received travel grant for attending Brain Storming Session for Young Scientists at CSIR-Central Drug Research Institute, Lucknow (21-23 January 2016)
 - Dr. Vinay Kumar Remuneration for reviewing research grant proposals submitted to Government of Poland, Poland (200 Euros)

3.5 Consultancy**3.5.1 Give details of the systems and strategies for establishing institute-industry interface?**

The college advertises the expertise and skills of college staff on college website and on personal LinkedIn profile. The college interacts with experts from industries at various levels. We hold events such as 'Industry connect', Open Forum under 'Vividha', placement drives and soft skill workshops. We invite experienced industry personnel including HR managers, QA/ QC managers, production managers, consultants, experts and alumni having varied industrial experience. College has developed linkages with industries through activities such as COC Course, agrotourism and agro to campus, hands on trainings and guest lectures.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

We aspire to be recognized as a college of first choice for excellent and accessible higher education, dedicated to serving its surroundings through intellectual, cultural, technological and professional contributions. To utilize the professional potential of faculty their areas of expertise are advertised on the website of college and on LinkedIn and Research Gate profile. The institute provides academic and infrastructural facilities for aiding such endeavours.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

Taking into consideration the expertise and research carried out by staff, the IQAC and research committee identifies areas for possible consultancy. The institute gives flexibility and leave for such interactions. The faculty are allowed to retain 100% of the income generated through consultancy.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

The staff from various departments are engaged in consultancy services.

- Department of Computer Sciences was involved in providing consultancy in cyber crime database management system to CID cyber cell.
- Department of History is involved in translation of Modi transcripts in Marathi.
- One staff member from History Department has given consultancy as listed below :

Area of Consultancy	Income generated
Consulting Archaeologist at Kirloskar Consultants Pune, on the project 'Listing and grading of heritage buildings and precincts in Alibag, Pen, Karjat and Khopoli', sponsored by MMRDA	Rs.30,000/-
Researcher at Janwani- an initiative of Mahratta Chamber of Commerce, Industries and Agriculture (MCCIA), Pune, on the project 'Pune Heritage Walk'	Rs.25,000/-

- Department of Zoology- Dr. Sanjay Kharat has received Rs. 3,60,021/- as grant for compiling information about fresh water fishes from Government of Maharashtra Social forest Department and Rs. 1,25,000/- for Histopathology consultancy from a company TOX India. One staff member from Department of Zoology is appointed as consultant by Ashwamedh Agrotech Limited, Kopergaon for identification of agricultural pest and formulation of various pesticide.
- Staff from Department of Biotechnology- - (for providing consultancy for project on Plant Biotechnology and Genetic Engineering) to Rasa life sciences and received Rs.1,00,000/-
- Department of Psychology: a staff member from this department was involved in consultancy as listed below:

Agency	Nature of Consultancy	Amount received
Karve Institute of Social Science	Customised a psychological test, conducted research (completed)	70,000
Tata Trust	Evaluation of Bapu Trust Community Mental Health Project	25,000
Principal Global Services (MNC) 2014-2017	Expert on Anti Sexual harassment Cell. Participation and training (ongoing)	1,00,000
MASUM national NGO research organization 2014-2017	Advisor on research and campaigns	40,000
Clinical practice from home	Counselling and Psycho therapy	Monthly income

- Department of Sociology - staff members from department of Sociology give consultancy purely on voluntary basis in areas such as: Sociology of Gender and Sociology of Education and Personality Development and Women Empowerment and Expertise in Extension Activities, Research Methodology and preparation for competitive examinations like NET / SET / MPSC / UPSC.
- Department of Statistics - one staff member from Department of Statistics has

provided consultancy to various research projects by Manshakti Research Center, Lonavala.

- Department of Political Sciences - consultancy provided to Mahratta Chamber of Commerce, Industries and Agriculture, Pune, a regional chamber of Commerce for B G Deshmukh Corporate Social Responsibility (CSR) Awards : consultancy was provided for all the activities starting from planning to execution, from approaching corporate to short listing of awardees, was part of interview panel etc. The income generated was Rs. 10,000/-
- One staff member from faculty of Commerce translated SP Pune University annual report from English to Marathi for the last four years. Income generated was Rs. 26,000/-

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

In order to encourage the staff members till year 2015, they were allowed to retain 100% of income generated through consultancy. The institute will share the income generated through consultancy on 80:20 (Staff: Institute) basis from 2016.

3.6 Extension Activities and Institutional Social Responsibility

3.6.1 How does the institution promote institution-neighborhood community network and student engagement, contributing to good citizenship, service orientation and holistic development of student?

Our institute believes in inculcating good values among students. We strive for building good citizens out of them. The college conducts activities to improve sense of social responsibility, develop technical skills and entrepreneurship skills among students. Following activities highlight the promotion and institution-neighborhood community network and student engagement, contributing to good citizenship-

- To promote entrepreneurship among students the college in association with the Alumini (Modernites) organizes College to community programs like 'Vividha' every year.
- Various departments of the college conduct workshops for students to improve their technical skills: Department of Chemistry, Microbiology and Zoology have conducted such workshops under DBT-STAR college scheme.
- Faculty of Chemistry organized workshop on 'Developing technical skills for Placement'.
- Free guidance sessions are conducted for competitive examinations like MPSC, UPSC, NET, SET etc. since academic year 2011-12 for UG and PG students of all faculties.
- Health awareness camp and Hb checking camp was organized for students.
- Water Potability Testing: since 2010-15 this activity was undertaken by T.Y.B.Sc. Microbiology students under the guidance of one staff member wherein the students got exposure to the applied aspects of topics included in their undergraduate syllabus and carried out some of the techniques which are commonly used in many water testing laboratories which are certified under

BIS (Bureau of Indian Standards). This ensured availability of safe drinking water in college.

- Since academic year 2011-12, College collaborates with NGO Janawani which works for betterment of Pune city. Students participated in a workshop organized by Janwani on vision making exercise for Pune and they were also involved in Participatory Budget initiative of Pune Municipal Corporation.
- National Level Symposium was organized by Faculty of Arts on ‘Empowering Women in Higher Education’.
- Mental health awareness was created through a fair titled Psy World organized by Department of Psychology. Debunking Myths about Mental disorders, counseling, a live counter on personality tests through drawing and hand writing analysis and meditation were the activities carried out. There were 250 visitors for this fair which included staff, students and larger society.
- Vidyarthini manch- various activities are conducted under Vidyarthini manch as listed in the table below.

In order to ensure holistic development of students the college conducted various activities.

Sr. No.	Year	Activity
1	2011-12	NET- SET preparation workshop
2		Swarmadhuri (Inter college singing competition)
3	2012-13	NET- SET preparation workshop
4		Swarmadhuri (Inter college singing competition)
5		Workshop on Business guidance
6	2013-14	NET- SET preparation workshop
7		Swarmadhuri (Inter college singing competition)
8		Workshop on Business guidance
9		Anti -ragging guidance workshop
10		Placement workshop
11	2014-15	NET- SET preparation workshop
12		Swarmadhuri (Inter college singing competition)
13		Workshop on Business guidance (Under Vidyarthini Manch)
14		Workshop for mothers of students
15		Workshop for parents having agricultural background
16		History scholar competition
17		Life skill management workshop
18		Exhibition of tribal handicrafts
19		Personality development workshop for Girl student (Under Vidyarthini Manch)
20	2015-16	NET- SET preparation workshop
21		Swarmadhuri (Inter college singing competition)
22		Workshop for mother parents
23		Violence against women – public awareness (Under Vidyarthini Manch)

24		Disaster management workshop
25		Polyhouse training workshop
26		Cost-Fest workshop
27		Exhibition of tribal handicrafts
28		Personality development workshop for Girl student (Under Vidyarthini Manch)

3.6.2 What is the Institutional mechanism to track student's involvement in various social movements /activities which promote citizenship roles?

We aspire to be recognized as a college of first choice for excellent and accessible under-graduate education dedicated to serving its surroundings through intellectual, cultural, technological and professional contributions. We aim to be known as an institution whose members share a passion for teaching and learning, an abiding commitment to innovative findings through research and creative activity and maintain a strong sense of responsibility and accountability towards society and nation at large. In order to inculcate moral values and nurture a compassionate and progressive attitude college encourages student participation in various activities.

- College Social Responsibility Club- under the guidance of one staff member conducted following activities: 10 Groups of S. Y. B. Com students visited and contributed to various NGOs in the form of helping old age people, teaching in orphanage, organizing entertainment programs for them, distribution of food items, grains, books and toys, tree plantation etc.
- Assistance to Traffic Police: College students are trained to help and assist traffic police during peak traffic hours.
- Swachhata Abhiyan: All students along with staff members are involved in cleaning the college campus.
- We celebrate Voters day, constitution day and birth anniversaries of great personalities in college. We make students aware by showing films and arranging speeches on the importance and significance of these days and the contributions of the great personalities towards society.
- We run an Anti ragging, Anti-Sexual harassment, Gender sensitization, student counseling cells to provide guidance to students which helps them to tackle various social issues.
- The students donated profit earned during 'Vividha' to natural calamity affected villagers through NAAM foundation- NGO working for farmers.
- Through activities like Vividha we provide a platform for the students having aptitude towards social work. Students are encouraged to participate in various activities of NGOs working on social issues. Students acquire social skills through peer learning.
- A student from Mathematics department Swapnil Shevkari has volunteered his services towards teaching mathematics to rural students.
- Some students from department of Psychology participated in the international Women's Day Rally on 8th March and "One Billion Rising" an event organized to raise awareness about violence against women.
- NSS and NCC units of our college organize various social activities every year, where most of the students participate actively and voluntarily. The activities include–

1. Tree plantation at adopted village and in various parts of the city as per demand of corporation and NGO's.
2. Blood donation camp in college campus.
3. Writer group for blind students and workshops for these students.
4. Participation in HIV/AIDS awareness campaign
5. Participation in road safety awareness programme.
6. Sensitization of students on environmental issues several activities including lectures, visits and screening of films related to environmental problems under 'Vasundhara film festival'.
7. Construction of continuous contour trenching at Baner Hill in collaboration with NGO Vasundhara.

Annually, a student is felicitated as a 'Best Student' to appreciate and encourage his/her performance.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

Feedback from various stakeholders in verbal and written format regarding the performance of the college is sought through interaction with stake holders through various programmes, inviting them for interactive sessions, conducting lectures etc.

- Alumni: Alumni meet is held once in a year and activities are planned for existing college students. We organize interactive sessions of alumni with students wherein they give guidance, which contributes to overall development of students.
 - Industry: HR meet was conducted under 'Vividha' where in the students got opportunity to interact with HR personnel of various industries.
 - Parents: A workshop titled 'Aai Mazya Mahavidyalayat' is conducted every year since the academic year 2013-14, for mothers of our students. Lectures and sessions were conducted to make mothers aware on various issues including- fitness and diet, personal healthcare, stress management, guidance regarding health problems in girl students, expectations of young generation from parents, communication skills and personality development. We were able to interact with parents through 'Kisan palak melawa'.
 - Management: Different visits are planned and executed for the Business council members. Academic and administrative audit is carried out by parent institution i.e. P. E. Society. During the audit the members of Business Council review the functioning and progress of the institution and give necessary suggestions.
 - Teaching and non teaching staff: Regular staff meeting is conducted at college, faculty and departmental level.
 - Students: we solicit feedback through various mechanisms- Formal feedback mechanism, suggestion box and informal interaction with Principal, Vice-principal and teachers.
 - News items in electronic and print media for public at large.
- As per the suggestions obtained we have organized several activities for stakeholders which helps in improving overall performance and quality of the institution.

- Counseling sessions for students of different interests (e.g.-sports, artists etc)
- Students are motivated to participate in different competitive examinations (e.g. Chemiad, SPEED, MPSC, UPSC, mathematics Olympiad).
- Promoting teachers for doing research in respective domains, allowing them to participate in several State, National, International symposiums, workshops, seminars etc.
- Promoting the non – teaching staff to improve skills and computer literacy. Encouraging them to complete their education. The Laboratory assistants are encouraged to participate in hands on training workshops on recent techniques.
- Financial support is provided whenever necessary to non-teaching staff.
- Workshops were conducted for non-teaching staff members and Laboratory assistants on Capacity building and laboratory safety.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The college organizes various extension activities through NSS. In order to ensure overall development of students outreach programmes are conducted through Science Association, Commerce Association and Arts Circle. In our college we encourage student participation in sports events and competitions held at University, district, national and international level.

Budgetary provisions made available for execution of different activities over last five years are as follows:

Department	Activities	Impact	Budget (Rs.)
NSS	Participation in Social activities	Increase in the number of activities. The work was appreciated by Mayor of Pune.	3,0,3000/-
Sports	Guidance to leading sportsmen	Physical fitness and team spirit	18,21,752/-
Arts Circle and placement cell	Lectures/Guiding sessions of Artists, industrialists	Educated students regarding prospects and job opportunities in various fields.	20,72,719/-
Seminar, workshop, conference	Lectures, paper presentation, poster presentation	Develop research aptitude amongst student and staff	12,39,564/-

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National / International agencies?

The college organizes different programs based on social awareness such as HIV/AIDS awareness rally in collaboration with Pune district government hospital. Our college has separate unit of NSS (100 volunteers). The enrollment is voluntary for each activity. To create awareness in students regarding these activities, the information is displayed on college website. Information is also given in college brochure/prospectus, magazine. After the admission process is completed, Principal's address is held for first year students of each discipline. In this program the information of each activity is highlighted. The students are made aware of various activities by circulating notices in class rooms from time to time. Banners and notices are prepared and displayed for each activity throughout the year. Separate orientation programme is held every year for NSS students.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

- HB checking camp is held every year for girl students and lady teachers and alumni.
- College NSS unit organizes anti-drug rally every year in collaboration with Pune Police.
- Self Defense training was held for girl students in college.
- To create awareness regarding functioning of police-station, students are allowed to work in police station in groups during Ganesh festival.
- Installment facility in college admission fee is given to the students from financially weaker section.
- Needy students from college are allowed to work in – ‘Earn and Learn scheme’.
- Financial Aid: Staff members of various departments have given financial support to students for pursuing their education.
- NSS students of our college visited and donated clothes and grains to orphanages.
- The Department of Psychology and Computer Science organized activity for donation of old clothes through Rotary club.
- The Department of Psychology through its activity DISHA, the Psychology Study Circle and the counseling centre helps the students from marginalized backgrounds to build their confidence and empower them with personal and professional skills.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized values by the institution, comment on how they complement students academic learning experience and specify the values and skills included.

- College students understood the heavy working schedule of police department and also got ideas about different issues they are handling. They also understood the concept of patrolling.
- Girl students became confident for handling different incidents in day to day life, due to karate training.
- Students also understood the different government schemes for the citizens.
- ‘Vividha’ provided a platform for the development of entrepreneurship skills among the students.
- Students participating as volunteers in various college events to hone their organizational skills like team building, leadership qualities etc.
- Disaster management.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community in its reach out activities and contribute to the development? Detail on the initiatives of the institution that encourage community participation in its activities?

- National Level Symposium was organized by Faculty of Arts on ‘Empowering Women in Higher Education’. Women speakers and participants from all over India participated in this event.
- Alumni association (Modernites) organizes College to community programs. Open forum is organized under ‘Vividha’ wherein eminent personalities from various fields interact with students.
- Health awareness camp and Hb checking camp is organized for students.
- Programmes for Adult education were conducted under ‘Praudh Nirantar Shikashan’. Different sections of society like senior citizens, women, unorganized labour and youth participated in different initiatives organized under adult and continuous education Department of SPPU.
- College organises Disaster management workshops for staff, students of the college as well as for other colleges
- Kisan Palak Manch: The college provided platform and encouraged the parents involved in farming as their occupation. In this activity experts in the field of agriculture guided participants on various issues related to agriculture.
- Agro to Campus: The college has developed an association with Abhinav farmer’s club for sale of organic fruits and vegetables to staff and students on weekly basis.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- Modern college in collaboration with Lokayat group created awareness on different social issues such as- Save Girl Child, Corruption, anti-drug movement.
- NSS unit of our college supports different activities held by Pune Police- e.g. Anti –drug movement, Road Safety awareness.
- NSS Unit of our college is a member of Red Cross Society, Pune and supports them in many activities, such as: HIV /AIDS awareness programme, a rally was organized on World Cancer Day

- NSS students supported Police hospital in Pulse -Polio activity.
- NSS students collaborated with Chaturshringi temple charitable trust to support in cleanliness of the temple and surroundings.
- TATHAPI trust conducted interactive program on sexuality and youth during NSS camp and this was initiated by Department of Psychology.

3.6.10 Give details of awards received by the institution for extension activities and /contributions to the social/community development during the last four years.

- Principal Dr. Sanjay Kharat received ‘Best Principal Award’ of SP Pune University for the academic year 2014-15.
- Jagannath Rathi award from the department of Adult education SPPU for extension activities.
- Mrs. Varsha Joshi received Best student welfare officer award from Pune University in year 2013-14.
- College received best student Welfare College award from Pune University for year 2013-14.
- Prof. Dr. Shakera Inamdar received State level ‘Best NSS Program Co-ordinator’ for the academic year 2013-14 from Pune University.
- The college received best college award for year 2013-14.

3.7 Collaborations

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The institute collaborates and interacts with various research institutions and organizations at different levels.

Faculty has collaborations with research institutions with respect to research being carried out for their ongoing projects. Collaborations are also in terms of visits to research centers, sharing of instruments and accessing libraries for reference material. Masters students are also sent to research institutes to carry out M.Sc dissertation projects. These collaborations have led to M.Sc dissertation projects, student publications and poster presentations by students.

The college collaborates and interacts with various industries at different levels. The college sends students for hands – on- training and summer training to various industries and institutes. Field visits are arranged at various industries and institutes. Guest lectures and student interactions are conducted to interface with personnel from industry. All these endeavors have led to students getting a global exposure and has helped them in securing admissions to Ph.D. courses in reputed institutes in India and abroad.

These efforts have also led to placement of students. For example two students of Department of Microbiology got placed at Green Vision and BIJASU respectively due to these collaborations. A student from Department of Zoology, Mr. Pradeep Kumkar is associated with Dr. Nilesh Dahanukar, IISER. Two students Ms. Pooja Nagarkar and Ms. Manali Dani went to

Zoological survey of India for training. Three MA students are working with a NGO Tathapi.

One of the M. Sc. Microbiology students was given scholarship by a consultant at Serum Institute as a result of these collaborations.

Head, Department of Psychology has collaborated with BAPU trust for mind and discourse for the following:

1. Advisor for research projects and Mental health campaigns.
2. Evaluator of three years service delivery program called SEHER on behalf of TATA trust.
3. Evaluator of current mental health service program on behalf of FORBES Marshall foundation.
4. Worked as resource person on youth, mental health and development for the National dissemination program of their research projects and service delivery programs.

Another collaboration is with Mahila Sarvangeen Utkarsh mandal, a national research, rights and advocacy organization working on gender and health. It involves advisory work and training on youth and mental health. A research project titled “Youth suicides in Purandar taluka, Pune district” was carried out and its findings and recommendations have been published in the form of a book with the same name.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/ other universities/ industries/ Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

The institute has developed collaborations, linkages and MOUs with research institutes, organizations, industries. The institute benefits from these collaborations, linkages and MOUs with research institutes and industry in various ways. These lead to better overall development of the students and faculty. Students and faculty benefit in terms of publishing papers, learning new techniques and joint ventures with research institutes. Students too get better exposure and learning opportunities and better placement opportunities for placement. For example students of Microbiology who did their M.Sc dissertation at NCCS-MCC are currently employed there. Students benefit in terms of skill development and placement opportunities due to interactions with industries and summer training or hands on training.

Table showing list of collaborative projects, linkages and MOUS are shown in Table 1 Annexure 3.7.2 page 572.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment /creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

- Under Career Oriented Course: A MOU was signed with Janakalyan Blood Bank and Kulkarni Laboratory and Quality Management Services (NABL

Accredited Laboratory) for hands on training program to increase employability of students.

- MOU was signed by between Dr. Neelima Kulkarni Department of Microbiology, Modern College Ganeshkhind, and Dr. Monali Rahlakar, Scientist Agharkar Research Institute for two years collaborative project on Microbial interactions in rice rhizosphere.
- MOU was signed with GITS India, Greenhouse Pvt Ltd under the B.Voc course.
- Four M. Com. students were placed with Chartered accountant Mr. Pore's firm and one student got Rs. 1 lac interest free loan to start business.

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Several National and state level workshops, seminars and conferences were conducted in college in last four years in order to expose students and faculty to eminent personalities and scientists.

The Department of Chemistry conducted a seminar on Newer trends in Chemical research and writing of scientific research papers on 2-4th February, 2012.

List of eminent academicians and scientists to the department:

1. Dr. G. S. Grover, Scientist G and Head, Dept of Safety, NCL, Pune.
2. Prof. Dr. Sanjay Kharat (Principal, Modern College of ASC, Pune-53)
3. Dr. K.C. Mohite, Dean, Science faculty, SPPU
4. Prof. Dr. Arvind A. Natu (IISER , Pune)
5. Dr. Hari Mohan Gobburu (Associate Director, Eli Lilly, Bengaluru)
6. Dr. Nandkumar Dahibhate (Principal Technical Officer, DIRC, NCL, Pune)
7. Dr. Prabodh Chobe (Gen. Manager, BASF, Mumbai)
8. Prof. Dr. Shobhana Narasimhan (JNCASR, Bengaluru)
9. Dr. Atul Deshpande (Asst. Professor, IIT, Hyderabad)
10. Dr. Anirban Hazra (Asst. Professor, IISER, Pune)
11. Dr. Sanjeev Kulkarni (SGM, NDDD, Lupin, Pune)
12. Dr. Dnyaneshwar Gawas (VerGoPharma, Goa)
13. Prof. Dr. Ravindra Jaybhaye (OSD, BCUD, University of Pune)
14. Dr. Anand Gole (Sr. Scientist, Tata Innovation Center, Pune)
15. Dr. Nitin Patil (Sr. Scientist, IICT, Hyderabad)
16. Dr. Soumitra Pathare, Member, WHO, Co-ordinator, Global Mental Health and Advocacy, ILS, Pune
17. Prof. Sunil Bhatia, Prof and Chair, Human Development, University of Connecticut, Division Head, American Psychological Association
18. Prof. D. T. Dhanagare, former Vice Chancellor, Shivaji University and an eminent academician
19. Prof. Prahlad Jogdand, Prof and Head, Department of Sociology, University of Mumbai
20. Prof. Swati Shirwadkar, Prof and Head, Department of Sociology, SPPU
21. Prof. Shruti Tambe, Associate Professor, Department of Sociology, SPPU
22. Prof. Raj Rao, Professor Department of English, SPPU and an eminent author
23. Dr. Ashok Thorat, Director, Institute of Advanced Studies in English

24. Prof. Raja Dixit, Former Head, IDS (Humanities & Social Sciences), SPPU

The Faculty of Arts conducted a conference on ‘Empowering Women in Higher Education Institutes’.

Following eminent academicians and scientists visited the college during the conference:

1. Dr. Deepak Tilak, V.C.Tilak Maharashtra Vidyapeeth, Pune.
2. Dr. Arun Jamkar V.C. Health Science University, Nashik.
3. Prof. Karuna Chanana, Professor Emeritus, JNU, New Delhi
4. Dr. R.Ramabrahma Head, Department of Political Science Osmania University of Hyderabad

The college library conducted an International Workshop organized on “Exploring ABCD Open Source Software” by International Trainer Mr. Alisson De Castro, Brazil in partnership of BIREME, World Health Organization, Brazil, VLIR (Flemish Inter University Council) Belgium and Modal Network, Brazil on 5th March 2013. Keynote Speaker- Prof. Dr. Egbert De Smet, Project Leader- ABCD, Belgium.

Eminent resource persons visiting college during the workshop:

1. Dr. Egbert De Smet, Antwerp University, Belgium
2. Mr. Alisson De Castro, Modal Network, Brazil
3. Dr. Neela Deshpande, Librarian, S P Pune University

State level workshop on "Cloud Computing" organized on 7th October 2013 which was sponsored by Board of College and University Development, University of Pune. The workshop was inaugurated by the hands of Mrs. Pratibha Joag, Deputy Director General, National Informatics Center, Government of India, Pune Center.

Eminent resource persons visiting college during the workshop:

1. Mrs. Pratibha Joag, Deputy Secretary General, National Informatics Center, Government of India, Pune
2. Dr. Ravikant Deshpande, Librarian, VNIT, Nagpur
3. Mr. Amit, Ingale, Cloud Expert, Freelancer
4. Mr. Sachin Manmode, TCS
5. Mr. Deepak Mane, TCS

Department of Zoology conducted National conference on Faunal Diversity: Assessment and Conservation.

Eminent resource persons visiting college during the conference:

1. Dr. Baban Ingole, NIO GOA.
2. Dr. Pandit Radhakrishnan Professor and Head, Department of Zoology, SP Pune University.
3. Dr. B B Nath Professor Department of Zoology, SP Pune University.
4. Dr. S. Basavarajappa Professor Department of Zoology, Mysore University.
5. Dr. Vartak A.A SP Pune University
6. Dr. Girish Kadadevaru Professor Department of Zoology, Dharwad university Karnataka.

7. Dr. Satish Pandey Ornithologist.

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -

a) Curriculum development/enrichment:

Two MOUs signed under UGC sponsored Career Oriented course for T. Y. B. Sc. students with Janakalyan Blood Bank and Kulkarni Laboratory and Quality Management Services (NABL Accredited Laboratory has led to enrichment of their knowledge mainly in soft skills, in blood banking techniques, hematology and soil and water testing.

b) Internship/ On-the-job training:

- Arts faculty students did their internship with a NGO. Final year B.Com students go to Vidya Sahakari Bank, M.Com students go to Chartered accounts for training.
- Sixty students of Bachelor of Vocational Course underwent on job training at the end of every semester in various food industries.

List of industries for on job training

Sr No	Name of the company	Sr No	Name of the company	Sr No	Name of the company	Sr No	Name of the company
1	Samapda Milk processors	7	Sahara Agro Pvt. Ltd.	14	Kate Food Pvt. Ltd.	21	Suhana Masala
2	STK Pvt. Ltd.	8	Laxmi Water Industries	15	Mapro Foods	22	Venky's Nutrition
3	Babli Food Products	9	Rocher Ferrero	16	Seetal Industries	23	Katraj Dairy
4	Maganlal Food Products	10	Pratik Masale	17	Parle Agro	24	New Era Foundation
5	Gokul Dairy	11	Dnyanraj Agro Industry	18	Sriniwas Foods	25	Bisleri
6	Radheshyam Foods	12	Aloe Fresh	19	Asian Bakers	26	Rich Fresh Mineral water
7	Parag Milk food Pvt. Ltd.	13	Prabhat Dairy Limited	20	Coca Cola	27	National Insti. Green House Technology

c) Summer placement

Following collaborations resulted in summer placement of postgraduate students.

- Microbiology department, Genesis laboratories and Department of Statistics SP Pune University.
- Department of Microbiology and NCCS.
- Department of Microbiology and MACS Agharkar Research Institute.

The students were exposed to advanced techniques in the field of Microbiology and molecular biology.

- d) Summer training** - The students of UGC sanctioned Certificate course in Embedded systems and Applications completed summer training in this institute for 8-15 Days in Bicard, Pune.

e) Research

The students placed for summer training developed interest in the subject and continued research in the same field. This led to their Master's Dissertation. In addition to this following collaborations resulted in research activity in form of research projects by postgraduate students.

1. Isolation and characterization of Oligophilic microbes from semen sample- Microbiology department, Genesis laboratories and Department of Statistics UoP.
2. Analysis of bacteria biodiversity in Mutha river samples collected from various locations- Department of Microbiology and NCCS.
3. Isolation and characterization of rice rhizosphere bacteria, Department of Microbiology and ARI.

f) Extension

Bank Connect campaign was carried out by B. Com. Students with nationalized banks to help Pradhanmantri Jan Dhan Yojana. One hundred and seventy two people were taught to connect to bank for financial inclusion and literacy.

g) Publication

1. Wani SH, Kumar V, Shriram V, Sah SK. 2016. Phytohormones and their metabolic engineering for abiotic stress tolerance in crop plants. The Crop Journal doi:10.1016/j.cj.2016.01.010
2. Wani SH, Kumar V. 2015. Plant Stress Tolerance: Engineering ABA: A Potent Phytohormone. *Transcriptomics* 3(2):1000113. DOI: 10.4172/2329-8936.1000113
3. Mapara N, Sharma M, Shriram V, Bharadwaj R, Mohite KC, Kumar V*. 2015. Antimicrobial potentials of Helicteres isora silver nanoparticles against extensively drug resistant (XDR) clinical isolates of *Pseudomonas aeruginosa*. *Applied Microbiology and Biotechnology* 99:10655-10667; DOI: 10.1007/s00253-015-6938-x. (Springer) Impact Factor: 3.4
4. Khare T, Kumar V*, and Kavi Kishor PB. 2015. Na⁺ and Cl⁻ ions show additive effects under NaCl stress on induction of oxidative stress and the responsive antioxidative defense in rice. *Protoplasma* 252:1149-1165. DOI: 10.1007/s00709-014-0749-2. ISSN: 0033-183X (Springer); Impact Factor: 2.65, Total Citations: 03

5. Shriram V, Nanekar V, Kumar V. 2014. Optimization of direct and indirect regeneration and ploidy level analysis of *Eulophia ochreatea* Lindl. *Indian Journal of Experimental Biology* 52:1112-1121. Impact Factor: 0.85
6. Nanekar V, Shriram V, Kumar V, Kavi Kishor PB. 2014. Asymbiotic seed germination and seedling establishment in *Eulophia nuda*. *Proc. Natl. Acad. Sci. India Sec. B. Biol. Sci.* 84:837-846, DOI: 10.1007/s40011-014-0353-4 (Springer). Impact Factor: 0.40, Total Citations: 02
7. Kumar V*, Desai D., Shriram V. 2014. Hairy root induction in *Helicteres isora* and production of diosgenin in hairy roots. *Natural Products and Bioprospecting* 4:107-112. DOI: 10.1007/s13659-014-0011-9 (Springer), Total Citations: 02
8. Shriram V, Kumar V, Mulla J, Latha C. 2013. Curing of plasmid-mediated antibiotic resistance in multi-drug resistant human pathogens using *Alpinia galanga* rhizome extract. *Advanced Biotech*, 13(1): 1-5. Total Citations: 01
9. Kumar V*, Lemos M, Sharma M, Shriram V. 2013. Antioxidant and DNA damage protecting activities of *Eulophia nuda* Lindl. *Free Radicals & Antioxidants*, 3:55-60. DOI:10.1016/j.fra.2013.07.001 (Elsevier). Total Citations: 07
10. Kumar V*, Sharma M, Lemos M, Shriram V. 2013. Efficacy of *Helicteres isora* against free radicals, lipid peroxidation, protein oxidation and DNA damage. *Journal of Pharmacy Research*, 6(6): 620-625. DOI:10.1016/j.jopr.2013.05.017 (Elsevier). Total Citations: 04
11. Kumar V*, Shriram V, Mulla J. 2013. Antibiotic resistance reversal of multiple drug resistant bacteria using *Piper longum* fruit extract. *Journal of Applied Pharmaceutical Science*, 3(3): 112-116. DOI:10.7324/JAPS.2013.30322.
12. Danai-Tambhale S, Kumar V, Shriram V. 2011. Differential Response of Two Scented Indica Rice (*Oryzasativa*) Cultivars under Salt Stress. *Journal of Stress Physiology and Biochemistry* 7(4): 387-397. Total Citations: 10

h) Student Placement

Five students of Microbiology Department Mr. Shreyas Kumbhare, Mr. Pranav, Mr. Sudarshan Shetty, Mr. Mitesh Khairnar, Mr. Vikas Patil are currently working as project assistants NCCS-MCC. Miss Ketaki Dhavale is working as project assistant at NCL - Venture Centre. Deepali Kshirsagar of TYBA Psychology was placed in Pragati learning foundation for six months and Samyak for six months.

i) Introduction of new courses- Diploma and Advanced diploma in Green house Technology, Diploma and Advanced diploma in Food Processing Technology, UGC sponsored Career Oriented Course in 'Applied techniques in Industry and laboratories' at Department of Microbiology and COC in Embedded systems and applications.

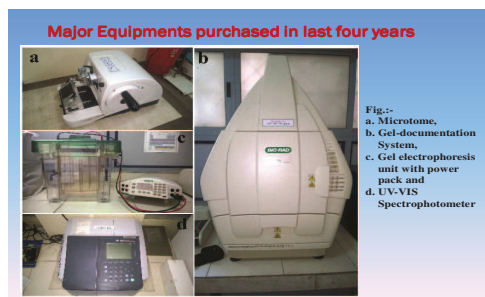
j) Student exchange- Vinay Kumar- Mr. Adam Truskewycz, PhD Scholar, from School of Science, Royal Melbourne Institute of Technology, Melbourne, Australia visited the Department of Biotechnology, Modern College, Ganeshkhind, Pune and worked in the month of November 2015, under the guidance of Dr. Vinay Kumar to carry out experiments on Nanotechnology.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

- College is located very close to SPPU, Pune. It is also in close vicinity to many national and international research institutes such as NCCS, IISER, NCL, NIV, NIC, ARI, Tropical Meteorology Department, Forensic Sciences, Agricultural Research Institute, Agricultural Banking College, NABARD etc. Moreover IT hub is located in Pune, which is also very close to college. The Management of P.E. Society represents all sectors of society and are in tune with changing scenarios of higher education. Therefore they insist and also take efforts to have linkages and collaborations with industries and research institutes. The senior scientists, HR managers, administrators and ministers of various portfolios are invited to the college or Society for various occasions and programs. The presentations are made in front of them to showcase the strengths, expertise, outcome and achievements of the college. Proactive initiatives taken by staff and students are appreciated by them. They are invited to interact with teachers and students. These interactions inspire excellence amongst students. There is a formal mechanism to sign MOUs for student's research projects, campus placement and also to write collaborative research projects.
- College is proactive in initiating the process of framing collaborations with institutes and industries in the interest of students. HOD, faculty in charge representative of teachers are authorized to negotiate and also to develop contacts with industries. The arrangements support these initiatives.
- Correspondence is made by college to represent the organization and to the Management. Representatives of Management, Principal, Head of respective Departments, In charge of activities and the representative of the concerned organization, conduct meetings and come up with points of agreements for both parties.

Research Excellence

Instruments in Research Laboratories



Workshops/ Lectures



Science Exhibition



Extension Activities



Reaching out to the marginalized



Vividhaa - Exhibition cum Sale



Vidyarthini Manch



Dhol Tasha Pathak



NSS Activities: Blood Donation Camp



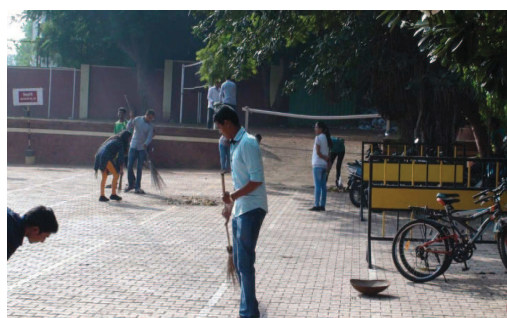
Bund Construction



Nirmalya Collection and Composting



**HIV Awareness Programme
with Indian Red Cross**



NSS volunteers : *Swachhata Abhiyaan*



**Cycle Rally:
Environment & Health Promotion**



Road Traffic Safety Programme



Offering a helping hand to *Gurukul*

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

In an educational institute teaching and learning is the prime motto which must be taken care of. Keeping this in mind our Management is always proactive in providing the best possible infrastructure. As there are limitations of space, the strategy used by the institute is to augment, maintain and renovate the existing infrastructure. While creating new facilities and renovating them consideration is given to students' needs, the subject requirements and green technology.

The policy of the college has been to provide, update and modernize the infrastructural facilities for efficient conduct of curricular programs and co-curricular activities. To cope up with the increasing needs and demands, optimal utilization of existing space is done. The procedure adopted for improvements in infrastructure leads to creation of conducive environment for teaching and learning.

For creation and enhancement of infrastructure, IQAC assesses the existing facilities. Data is collected regarding requirements of additional infrastructure and facilities from respective departments. These requirements are submitted for consideration and implementation to Local Management Committee (LMC). The recommendations of the LMC are forwarded to the Business Council and the Building Committee of the parent institute. The Business Council invites quotations prior to finalizing the order. The work is monitored so that it is completed in stipulated time.

In order to augment the infrastructure, increase in number of students and number of new courses is considered. To cope with the increasing demands of technology era, learning spaces are made ICT enabled. Internet connection is provided to almost all computers. A common computing facility is made available to staff and students. Updated licensed software is made available for teaching, learning and research work. User friendly updated library software is installed. Audio books and CDs are made available in the library for physically challenged students.

Well-equipped laboratories are provided to all science departments. Laboratories of Physics, Electronics Science, Zoology, Biotechnology and Chemistry departments are renovated to provide proper working space for staff and students. Funds are made available to all laboratories through the grants of DBT, DST- FIST and UGC Schemes. To provide uninterrupted power supply, generators are installed. A 13 KW Solar-Wind Hybrid Power Generation Plant, which is environment friendly, is also installed to fulfill increasing energy needs.

4.1.2 Detail the facilities available for

- a) **Curricular and co-curricular activities –classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, Laboratories ,botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**

The College caters to nearly 4300 students under different faculties. To cope with increasing needs of students, the college has necessary infrastructure. The details are given below.

Space: College has three buildings

Area of Building A : 3555.66sq.mtr.

Area of Building B : 0822.00sq.mtr.

Area of Building C : 1540.00 sq.mtr.

Total Area : 5917.66 sq.mtr.

Classroom size: College has small, medium and large sized classrooms to accommodate varying strength of students of different classes.

Description	Number	Total Area in Sq.Mtrs.
No. of small classrooms	16	599
No. of medium classrooms	07	463.17
No. of large classrooms	07	718.69
Total	30	1780.86

All Class rooms are provided with fixtures like fans, lights and LCD

Well-equipped laboratories

All the laboratories are well equipped and fully furnished with advanced software useful for undergraduate and post graduate curriculum and research. Special instrumentation facilities are also available to research students.

Special instruments available in different laboratories are UV Visible Spectrophotometer, High speed cooling centrifuge, Fluorescent microscope, Gel documentation system, Audiometer, ECG Trainer kit, Fiber Optics and Antenna trainer kit, GM Counter, Refractometer, Digital Storage Oscilloscope, Microcontroller trainer kit, hysteresis loop tracer, PCR, GPS etc.

For the purpose of safety fire extinguishers are installed in all laboratories at strategic locations.

Details of the Laboratories:

Sr.	Laboratories	No.s	Area in Sq. Mtr.
1	Statistics	1	35.10
2	Computer	4	173.58
3	Mathematics	1	39
4	Electronics Science	3	200.00
5	Chemistry	6	309.43
6	Physics	2	114.00
7	Botany	2	47.13

8	Microbiology	2	381.54
9	Biotechnology	3	333.82
10	Geography	1	30.51
11	Zoology	3	120.77
12	Commerce	1	108.00
13	M.Sc. Research-Microbiology	2	149.73
14	BBA (CA)	1	100.00
15	B.Voc	2	100.00
16	Language Lab	1	39.48
	Total	33	2247.85

An Audio-Visual hall: College has a well-equipped Audio-Visual hall named after the founder of P. E. Society, *Guruvarya Shankarrao Kanitkar*. This hall is available for curricular, co-curricular and extra-curricular activities.

Facilities available in the AV Hall are

	Facilities
AV hall	a. LCD Projector b. Air Conditioner c. Laptop d. Audio System e. Podium f. Microphones -3 g. Collar microphones-2

Technology enabled learning spaces

All postgraduate and most of the under graduate classrooms have LCD facility. There are 35 LCD projectors installed in various classrooms and laboratories for effective teaching using audio visual aids. Specialized facilities and equipment made available in the college are Over Head Projectors, Podium with inbuilt speaker, a portable speaker cum microphone system and smart class room set up.

Botanical garden

Botanical garden and Poly-house is maintained by the Botany and Biotechnology Departments. In botanical garden, nursery of endangered species and medicinal plants is maintained. Drip irrigation is used for gardening.

Animal House

The institution has provided an animal house facility at the Pharmacy College of our parent institute situated at *Nigdi*.

Staff room

College has two common staff rooms in A and C buildings with computer, internet, intercom, locker, water purifier and washroom facilities.

In addition to this all department have separate staff rooms with basic

facilities and computers with internet connectivity.

Office

Administrative office is situated on the ground floor of the central building for the convenience of students and other stakeholders. The office is fully computerized. Internet connectivity is provided in the office for easy access to university and other related websites and effective work environment. Along with this printers, scanner, photocopier, intercom, air conditioners, water purifier facilities are made available which operate alternately on conventional energy and Solar Wind Hybrid Power Generation Plant for uninterrupted power supply. The office is well furnished, with an independent Accounts section, faculty-wise student counters and a separate cabin for Office sSuperintendent.

The college has a students' store on the campus which is used for journal distribution and making stationery available to the students.

Exam Control Room

For smooth conduct of university and internal examinations and to maintain confidentiality and security, a separate exam control room with all basic facilities along with two high speed copiers with capacity of copying 100 pages per minute and computers with internet facility are available.

Other facilities

- Separate Girls' and Boys' Common Room facilities are available.
 - Activities in college campus are monitored through 30 CCTV cameras.
 - A spacious covered and open parking for students and staff.
 - Canteen facility with good food quality is available on the campus. Canteen has separate seating arrangement for staff and students.
 - Facility of virtual class room
 - Public Address system
- b) **Extra-curricular activities–sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.**

Sports facilities: The college has a separate Sports Department measuring 53.75 sq.mtr. with well-equipped Gymnasium measuring 50.59 sq.mtr. and a changing room for students and staff. There is a playground having an area 432 sq.mtr. with synthetic basketball and volley ball courts of international standard. Facilities for indoor games such as table tennis, carrom board, badminton and chess are also available. Gymnasium with ultra-modern equipments is available for students and staff. Occasionally Savitribai Phule Pune University ground is used for practice, for conducting PT exams and outdoor game competitions at various levels.

A well-equipped Audio Visual hall measuring 111.92 sq.mtrs. is used for conducting different curricular and co-curricular programs like national and state level seminars, workshops, guest lectures, departmental functions for

teaching and non-teaching staff, parent-teacher meet, other programmes of national relevance and cultural events.

An amphitheatre measuring 106.95 sq.mtr.is built on the grounds with necessary audio-visual aids and lighting system. It is used for activities and programmes like Independence Day and Republic Day functions, Prize Distribution Ceremony, Street Plays, Cultural Programmes, *Vividhaa* and Alumni Meet.

There is a separate NSS department having an area of 113.15 sq.mtr.

Space is provided for practice of cultural activities.

There is a Language Laboratory facility to train students in soft skills and linguistic proficiency.

Besides, these there are other facilities :

- Elevator
- Water purifiers and cooler -7
- Street lights on solar energy-7
- Rain water harvesting plant
- Baction composting plant for disposal of garden waste

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/ augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/ campus and indicate the existing physical infrastructure and the future planned expansions if any):

The IQAC plays an important role in preparation of academic calendar which includes outlines of all academic, curricular and co-curricular activities. These activities are planned taking into consideration the existing infrastructure. Time table committee arranges lectures and practical schedule of the college for avoiding any overlaps and making optimum use of infrastructure facility available.

In order to keep available infrastructure in line with academic growth, the infrastructure is optimally used, augmented and renovated.

Classrooms

For optimum use of available infrastructure, lectures and practical are planned in two sessions. The timings are as follows:

Morning Session -7.30 am to 12.00 noon

Afternoon Session – 12 noon to 6.30 pm

Lectures of Arts and Commerce Faculties are conducted in morning session and Lectures of Science, BBA (CA) and B.Voc. are conducted in both the sessions.

Laboratories: Three batches of practical sessions are conducted every day so as to accommodate all the students.

1st Session: 7.30 am to 10.30 am or 8.30 to 11.30 am

2nd Session: 12 noon to 3.00 pm

3rd session: 3.30 to 6.30 pm

Library: Open access is made available to students and staff during library working hours. All transactions in the library are computerized. There are separate issuing counters for text books and reference books. There are different sections like digital library, reading hall, a photocopying section, a store room and ready reference section for research students and staff members.

Audio Visual Hall is used by all the faculties for guest lectures, presentations and various other programs.

The college keeps separate budgetary provision for infrastructure development and augmentation. Also college has received Grants from various agencies like University Grants Commission, Department of Biotechnology, Government of India, Department of Science and Technology, Government of India and Board of College and University Development, Savitribai Phule Pune University. These grants are utilized for improving the infrastructure, laboratory and research facilities to meet academic growth.

To cater to the needs of increasing number of students

- Additional space is made available for new courses like BBA (CA) and M.Sc. Zoology.
- College has initiated new B. Voc. Programme in Food Processing Technology and Green House Technology which is funded by UGC. Two new laboratories and required infrastructure have been developed for this course.
- Biotechnology, Physics, Electronics Science and Zoology laboratories are augmented and renovated for expansion.
- Office facilities are reviewed and renewed for effective functioning and considering students' convenience.
- To meet the needs of increasing number of students for computer courses, college has expanded computer laboratories and a number of computers and the required software has been upgraded and added to these laboratories.
- Bandwidth of internet has been increased to 10 mbps.
- The college has built wash rooms for girls and boys with modern amenities.
- To prevent the problems arising due to harmful chemical vapors and fumes, fume hoods are installed in Chemistry and Zoology laboratories with high capacity exhausts and high length chimneys.
- New benches with spacious seating arrangements are provided in the class room for students' comfort.
- College infrastructure is also made available to other agencies for conducting their examinations and to the affiliating University for conduction of its Central Assessment Programme and accommodating external students during examinations.

All these developments have led to effective working environment and an improved teaching and learning process.

Sr.	Item	Amount Spent in Rs.			
		2011-12	2012-13	2013-14	2014-15
1	Renovation of	--	26,83,097	--	9,63,670

	laboratories				
2	Augmentation of laboratory	7,71,569	7,950	5,23,748	2,35,381
3	Purchase of equipment	6,63,069	4,61,269	52,764	9,74,962
4	Up-gradation of Software and Computers	7,73,020	13,18,584	23,38,981	13,60,505
	Total	22,07,658	44,70,900	29,15,493	41,46,518

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The college has students with different physical disabilities such as visually impaired, cerebral palsy and some other physical disabilities. Special facilities are provided to these students according to their requirements and needs. The facilities are listed below:

- The college has an elevator and railings along the staircase for physically challenged students.
- Wheel chair and ramp is also available to reach to the elevator.
- Lectures for the classes having students with physical disabilities are arranged at the ground floor of the building.
- Visually challenged students are provided with all possible help by the staff and students. Writers are made available to them during examination.
- Audio study aids are made available in the library for visually challenged students.
- Specially designed toilet blocks are available on the ground floor for these students.

4.1.5 Give details on the residential facility and various provisions available within them:

The college provides residential facilities to the staff and students depending on the demand and the availability.

Hostel Facility: the college has its own hostel at Pashan-Sus Road, Baner. This hostel accommodates 50 boys and 50 girls.

Facilities available in these hostels-

1. Recreational facilities: There is a common area with audio visual equipment like television, carrom board for students.
2. Yoga and meditation room and a small prayer room.
3. Computers including access to the internet.
4. Sports and Games facilities: Indoor games like carrom, chess and gymnasium.
5. Health and Hygiene: Cleanliness is maintained in the premises. Waste is disposed off properly. There is a special facility for disposal of sanitary pads.
6. Facilities for medical emergencies –Students are taken to healthcare centre of Savitribai Phule Pune University or Kotbagi Hospital which are situated near the hostel.
7. Library facility in the hostels – Reading Hall, magazines, News Papers, Novels, Books for additional Reading.

8. Supply of safe drinking water - Constant supply of safe drinking water is made available through filters and coolers.
9. Security-24 hour security is provided.

Our girl students avail the additional accommodation facility of our parent institution at Shivajinagar, Pune.

Students are guided about the hostels available in the nearby vicinity like Vidyarthi Sahayyak Samiti, Jain Hostel and also about nearby rental accommodation.

Teaching faculty of the college is offered accommodation in the hostel at Pashan-Sus Road on demand. Rector of the hostel is given accommodation on the Hostel premises.

The parent institution has made a provision for Principal's residence and a guest house.

4.1.6 What are the provisions made available to students and staff in terms of healthcare on the campus and off the campus?

Institute is chaired by Dr. Gajanan Ekbote, a surgeon by profession and hence special attention is given to health of staff and students. A number of health related programmes and lectures are arranged on the campus. Facilities for health care and hygienic environment are made available on campus and off campus.

On campus facilities

- College has a retiring room with basic medical facility such as BP checking apparatus, thermometer and primary health care instruments
- List of doctors in the college vicinity is displayed in the campus.
- Every department has a First Aid Box.
- Annual health checkup for all first year students
- Lectures on health and hygiene awareness
- Blood group and Hemoglobin testing for girl students.
- Blood group displayed on I- cards for emergencies.
- College vehicles are made available in the case of medical emergencies.
- Dr. Suvarna Bobade a homeopathic practitioner is available on call.
- Group insurance facility for staff members and general insurance for students
- Herbal pest control is carried out twice a year.
- Fumigation and pest control of laboratories and library is done periodically to prevent contamination or loss of material .
- The waste generated in the college is disposed regularly in proper manner. Garden waste is converted into fertilizer using Baction composting plant installed in the premises.
- Courses related to laborator ysafety are conducted for laboratory assistants.
- In courses like B.Voc Food Processing Technology, hygienic and standard practices are followed during preparations.
- Sanitary napkin vending and disposal machines are installed in girls' toilets.

Off campus Medical facilities

Savitribai Phule Pune University's Health Centre is located at a distance of

less than 500 meters from the college. In case of medical emergencies, the college refers students to Ekbote Hospital, Kotbagi Hospital and Ratna Memorial Hospital.

4.1.7 Give details of the Common Facilities available on the campus–spaces for special units like IQAC, Grievance Redressal Unit, Women’s Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium etc.

The college provides separate space for different activities so as to provide a proper working environment and storage space for records/ documents of that activity. We have separate IQAC room, Grievance Redressal Cell, Placement Cell, Women Cell, Career Guidance Cell, NSS Office, Art Circle Office, Canteen, water coolers and Audio Visual Hall. The details are as follows:

Facility	Available Infrastructure
IQAC room	Computer with internet , facility for documentation
Grievance Redressal cell	Counseling space is provided
Placement cell	Computer with internet facility, printer and space and for documents
NSS Office	Space for documents and storage for material used at annual residential camp
Canteen	Separate seating arrangement for student and staff, water purifier and quality food at affordable cost, self-service facility for student
Water Coolers	At each floor separate water purifier and cooler
Audio Visual hall	With audio visual facility and teaching aids
Wash Rooms	Sufficient number of units with advanced facilities and vending and disposal facility of sanitary napkins in ladies wash rooms

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

The library has an Advisory Committee. Composition of the Advisory Committee is as follows:

- Principal: Chairman
- 3 Vice Principals: Members
- 1 Senior Professor from each faculty: Members
- 2 Student Representatives : Members
- 1 Librarian: Secretary (ex-officio)

Advisory Committee is constituted for smooth functioning of library, formulation of policies, rules & regulations, for implementing library policies.

In this regard the committee has taken initiatives for -

- Development of collection, improvement of services and facilities in the library
- Library automation, Digital Library setup, Software up-gradation
- Making policies related to collection of fines, lost books, soiled and tattered, written off and missing books
- For organizing various events and programs like book exhibitions, guest lectures, library orientation lectures, workshops, etc.
- Providing Book Bank Facility to financially poor students
- Preventive measures for library safety
- Taking feedback from students and finding solutions on them
- Separate counter for textbook transactions
- Separate section for ready reference books like encyclopedias, dictionaries, yearbooks, manuals, multi volume books etc
- Quarterly pest control of library

4.2.2 Provide details of the following

Total area of the library (in Sq.Mts.) : 288 *sq.mts*

Total seating capacity : 100

Working hours on

Working days : 9.5 *hrs, 6 days a week*

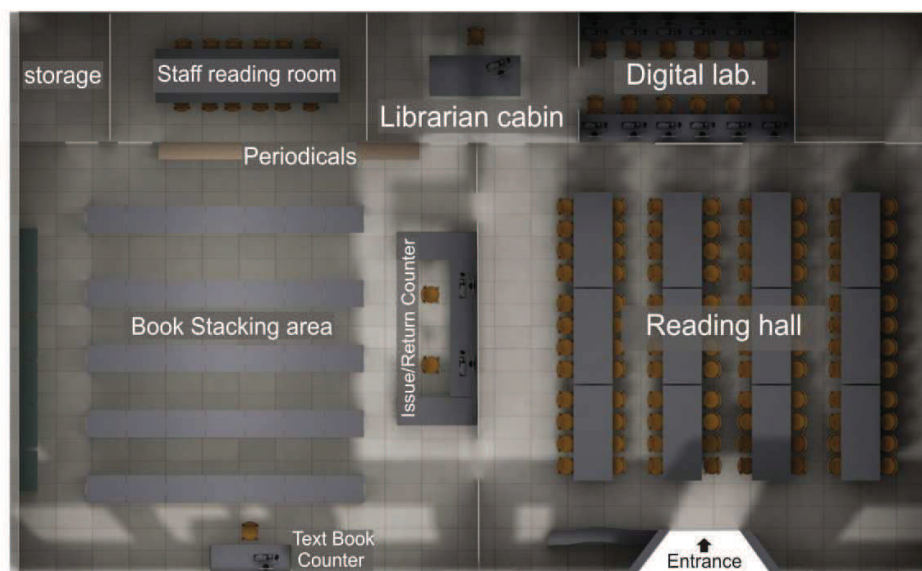
Holidays : 4 *hrs excluding Sundays*

Before examination days : 12 *hrs*

During examination days : 12 *hrs*

During vacation : 9.5 *hrs*

Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)



Total area of library 2,887.50 Sq.ft. (268.25 Sq.Mtr.)

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

- Annual departmental budget requirements of books and journals are invited and reviewed by Local Management Committee.
- Budget committee sanctions the budget and amount is disbursed accordingly
- Library verifies the demand for new book and titles to avoid duplication.
- Library offers open access to all staff and students to maximize the use of library resources
- New arrivals are displayed on the new arrival section of the library and new arrival lists are circulated among staff members via email
- The magazines and journals which are not used frequently are sent for review of LMC and Library committee and then discontinued
- Digital library is made available to all students and staff free of cost for accessing electronic resources. A total of 13 PCs are kept in the digital library.
- Purchase orders are approved by the Principal, Visitor of the College and LMC Chairman.
- After procurement and processing of the books, staff members are intimated about their availability
- Library orientation programs and information literacy programs are conducted every year for students and staff to make them aware about existing library electronic resources and how to access them.
- Library has created a separate portal of online electronic scholarly databases and publications on its website and interactive blog
- Book Exhibitions are conducted every year to inculcate reading habits among patrons and give exposure to new books in the market
- Library publishes online E-Newsletter *Granthvedh* twice a year. Patrons are

invited to write book reviews and articles for the same.

- Every year library declares Best Reader award.
- Personal guidance is provided by all library staff for searching information and locating library material.

Addition of library reading material in last five years:

Years	2011-12	2012-13	2013-14	2014-15	2015-16	2011-2016
Holdings	No	No	No	No	No	Total Cost
Text books	635	340	1012	838	1060	6,21,829
Reference Books	1340	1055	548	576	1026	30,10,361
Periodicals	85	92	90	90	95	6,20,700
e-Resources (Databases and Consortia)	UGC NList- Inflibnet Consortia Membership Delnet- Consortia Membership Other online free educational and scholarly databases made available in the form of a portal on the Library website & blog.					
CDs/DVDs/Audio books	97	18	66	34	1445	8,790
Member-ships	6	6	4	4	5	1,45,270
Newspaper	16	11	11	13	13	75,413
Total Amount spend on increasing library holdings in last five years in Rs.						44,82,363

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

OPAC

Library uses Autolib commercial local software for library management. OPAC is made available to all patrons in the library. It includes basic as well as federated search options. Article indexing facility is used by patrons to search books and journal articles. Content pages of books are scanned for patrons to browse through the contents of books. Library plans to shift to new Koha Software which provides Web-Opac for library catalogue.

Electronic Resource Management package for e-journals

Library has taken membership of DELNET (Developing Library Network) and NLIST of UGC Inflibnet Consortia through which our patrons can access more than 21000 e-journals and 51000 e-books. Additionally library provides access to free online databases of scholarly publications through our library portal available on our website and blog. Library is planning to subscribe J-Gate Journal Package for Science faculty.

Federated searching tools to search articles in multiple databases

- For Accessing NLIST resources UGC Inflibnet provides Knimbus platform for searching articles and books from multiple databases
- Library uses Google Custom Search Engine Tool for giving federated search for multiple online databases and educational links provides on e-Resources Portal.
- Autolib library automation software also provides federated search for multiple databases like books, periodicals, CDs, project reports, etc
- Library plans to buy FEDGATE Software for providing federated search to

all in-house and subscribed databases and resources including library catalogue on a single platform.

Library Website:

Library website is a part of College website. Separate webpages/links of library are as follows:

- About Library: <http://www.moderncollegegk.org/library.php>
- Research Support: <http://www.moderncollegegk.org/library-research-support.php>
- Library Blog:
<http://moderncollegecentrallibrary.blogspot.in/2007/08/modern-library.html>
- Library Brochure: http://www.moderncollegegk.org/Library_Brochure.pdf
- Library Automation:
http://www.moderncollegegk.org/library_Automation.php
- Library e-Newsletter:
http://www.moderncollegegk.org/library_e_newsletter.php
- Staff: http://www.moderncollegegk.org/Staff_library.php
- Services: http://www.moderncollegegk.org/Services_library.php
- Future Plans: http://www.moderncollegegk.org/Future_Plans_library.php
- Collection : Sublinks College Magazine, Books, Periodicals, CDs, e-resources
- Institutional Memberships:
http://www.moderncollegegk.org/Institutional_Memberships.php
- Institutional Repository: <http://www.moderncollegegk.org/Zoology-specimen.pdf>
- OPAC: <http://www.moderncollegegk.org/OPAC.php>
- Contacts: http://www.moderncollegegk.org/Contact_library.php

In-house/remote access to e-publications:

College provides in-house as well as remote access to e-publications. Patrons can access various resources from DELNET and UGC-NLIST consortia using individual login and passwords provided to them. They can access other reputed open access databases of books and scholarly material from library e-resources portal. In future, the library plans to subscribe to EZProxy server for remote access

Library automation

Library is automated with Commercial Automation Software “AUTOLIB” which is user friendly and menu driven along with bar code technology. Accessioning, Issue Return, Periodical Management, Reports Generation, Newspaper Record, Budget, OPAC modules are fully functioning.

Total number of computers for public access: 14

Total numbers of printers for public access::2

Internet band width/speed:: 10mbps

Institutional Repository:

The college library has created Institutional Repository by collecting softcopies of articles of faculties, syllabus, previous year question papers, educational GRs, digitization of content pages of books, softcopies of various

reports, etc. Central Documentation Committee has all necessary documents and reports in digital form. We are planning to buy DSPACE Content Management/Digital Library Software to manage institutional repository.

Content management system for e-learning:

For content management system presently library is using Blog and its website for e-learning purpose. Also e-learning is given via email, preparing PPTs, PDFs and Tutorials etc. Educational videos prepared by MHRD and UGC CEC, NPTEL, Khan Academy are telecast and communicated to concerned departments. For e-Learning library is planning to adopt DSPACE and MOODLE software for its patrons.

Participation in Resource sharing networks/consortia (like Inflibnet)

The college library is a member of NLIST-INFLIBNET and DELNET Consortia. Also the library has taken membership of British Library, Jayakar Library, Gokhale Institute and MCCIA for resource sharing.

4.2.5 Provide details on the following items:

Average number of walk-ins	300/day
Average number of books issued/returned	106/day
Ratio of library books to students enrolled	5.9: 1
Average number of books added during last three years	1642
Average number of login to OPAC	24/day
Average number of login to e-resources	50
Average number of e-resources downloaded/printed	3000+/month
Number of information literacy trainings organized	15

Details of “weeding out” of books and other materials

- The tattered, soiled, old text books and back issues of general magazines are separated and scrutinized by concerned subject experts and Library Committee for withdrawal.
- The short listed book list goes to Local Managing Committee for approval.
- After approval the cancelled stamp is put on the books and old magazines and then are sold at minimum cost Rs. 5.00/- and remaining books and magazines are being sold as scrap.
- Quotations are invited from scrap agencies.
- Every six months newspapers are sold as scrap.
- In case of multiple copies it is ensured that at least one or two copies are maintained in the library for future reference.
- Bound volumes of reference books are preserved.
- Back issues of journals are sent for binding purpose and kept in the library
- Old book shelves in good condition were shifted to other departments for maintaining departmental libraries.

4.2.6 Give details of the specialized services provided by the library

Manuscripts: Manuscripts are available with Humanities Department

Reference: Reference service is being provided by the Librarian to the

research students and staff on regular basis. Services like article searching, information on new arrivals is provided to the patrons. Active reference service is provided to the staff through email.

Reprography: Library provides reprographic facility to all staff and students against minimum charges. They get photocopy of book pages, journal articles and previous year question papers.

ILL (Inter Library Loan Service): Inter Library Loan service is available with DELNET (Developing Library Network), sister institutes and also visitors on payment basis. External membership is being provided on need basis.

Information deployment and notification: Information and notifications of new arrivals, higher education related news and updates, educational videos, time table of CEC channel, upcoming seminars and conferences details, newspaper clippings, subject related news are circulated through emails to the teaching staff and displayed on the notice board. Information is shared on Library Blog and Social Network too.

Download: Patrons can download scholarly content from the consortia like NLIST-INFLIBNET, Delnet and databases available on the Library E-Resource portals in the Digital Library. Separate Login and passwords are provided to research scholars and teachers. They access and download reading material from their home too.

Printing: This facility is provided in the library.

Reading list/Bibliography compilation: Library provides subject wise, year wise subject list, Title list, Copies list and other reading lists on demand to staff and students. For various committees like LIC, UGC, DBT, DST library book lists are provided in soft and hardcopy form. The college compiles research articles bibliographies for various reports. Subject Guides are provided under Research Support column on library website.

In-house/remote access to e-resources: College provides In-house as well as remote access to e-publications. Patrons can access various resources using login and passwords of consortia like DELNET and NLIST and other reputed open access databases of books and scholarly material available on library e-resources portal. Library is planning to subscribe EZProxy Server to give remote access to all library and subscribed resources.

User Orientation and awareness:

- Library conducts user orientation and awareness programs (Information Literacy Programs) for staff and students every year.
- Instructions are displayed in the library, on website and blog.
- Display Boards are placed at appropriate locations in the library
- Tutorials or PPTs/PDFs being circulated among the staff via email
- Research support is provided
- Subject guides and help guides for research are made available on website
- Information about upcoming academic events are communicated to patrons
- Book exhibitions are organized.

Assistance in searching Databases: Assistance in searching databases is being provided to staff and students on regular basis. Library conducts workshops and information literacy programs annually for group of readers on

“How to access e- Resources”. Tutorials are provided through email. Library organizes workshops on using Sci-finder database, Nlist Consortia, cloud computing, Open Source Software, etc. Experts in these fields are invited to have dialogue with our readers.

INFLIBNET/IUC facilities: Library has taken membership of UGC NLIST-INFONET consortia and Developing Library Network (DELNET) through which our readers can access a host of scholarly publications like e-books, e-journals, archives, etc.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

Library staff is ever-ready to give support to all patrons and make library more user friendly. Following services are rendered by the library staff to the patrons.

- Locate books required and provide alternate titles
- Search articles from the journal index
- Search availability or status of book
- Train to access OPAC
- Maintain discipline in the library
- Train them for accessing various e resources and consortia
- Gives active reference and referral services
- Provides research support for citations, reference manager, plagiarism check and writing research papers, project reports and thesis
- Give access to various subject guide lists on library website
- Gives Current Awareness service by circulating various useful information related to academic, higher education and research, newspaper clippings, educational videos via email
- Screen short films, documentaries and educational videos
- Provision of Identity Cards to all staff and students
- Photocopying service, scanning and printing facility
- Library extends library hours during examination period
- Need based service to increase book limits and extend due date
- Provides Book bank facility to financially weak students.
- Updation of library website and interactive blog
- Periodically library publishes “Granthvedh” e-Newsletter

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

- Provides support while entering in and going out from the library
- Separate seating arrangement is provided for such students in the library.
- *Yashowani* Group donated more than 4000 audio books to the library and these databases are made available to the visually challenged students
- Head phones are arranged in digital library to listen to audio books.
- Planning to start postal book lending facility to these students.

Permits relatives of physically challenged students to issue and return the books.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services.

- The college library collects annual feedback (Print as well as online) from staff and students.
- It has a suggestion box to collect feedback from students
- Feedback is designed on the basis of services and facilities provided to the readers
- Invite suggestions for improvement, discuss and find out solutions to overcome them.
- Immediate action is taken on urgent issues.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution. Number of computers with configuration (provide actual number with exact configuration of each available system)

The data given below specifies the information about computing facility available in the college.

1. Department wise distribution of computers

Department / Office	No. of computers
Computer Science	132
Botany	02
Chemistry	04
Arts Faculty	06
Commerce	04
Examination Section	03
BBA(CA)	62
B.Voc.	01
Biotechnology	18
Electronics Science	25
Geography	01
Office	18
Mathematics	22
Physics	04
Language Laboratory	20
Microbiology	09
Library	19
NSS	01
Sport	02
Statistics	08
Zoology	04
Total Computers	365

2. Details of Important Software

Software	No. of Copies
Windows XP	15
Windows 7	20
MS Office	50
Tally ERP	50
E Tax multiuser	1
Vrudhi for college management (online and offline)	1
MATLAB	20
R software for statistics laboratory	1
Bulk SMS facility – online	1 lakh SMS/year
College website	
Shree Lipi- 8.1	2

3. Server Configurations

Sr No	Computer Name	Monitor	Key Board	Mouse	Cabinet	Hdd	Processor	RAM
1	OSERVER For Office	View Sonic LCD	IBM	IBM	IBM	3 TB	Intel®Xeon®CPU X3430. 2.40Gz	10 GB
2	Asever For Storage	View Sonic LCD	IBM	IBM	IBM	1 TB	Intel®Xeon®CPU E-3 1220 3.10Gz	4 GB
3	Centos For Linux Server	View Sonic LCD	IBM	IBM	IBM	1 TB	Intel®Xeon®CPU X3430. 2.40Gz	8GB
4	Student Server	View Sonic LCD	IBM	IBM	IBM	500GB	Intel®Xeon®CPU X3430. 2.40Gz	6 GB

4. Network Hardware

- Computers with stand-alone facility – 11 Laptops
- LAN facility – Available for all computers- LAN speed 10 Mbps lease line
- Wi-fi facility- limited at present
- Internet facility to every department
- Number of nodes/computers with Internet facility- 365

Computer System Configuration

Processor : AMD Quad Core : 70, Core i3 : 72, Dual Core : 107

Pentium R : 106, P1,P2,P3,P4 : 10, Total 365

RAM 4GB : 120, 2GB : 146, 1GB : 86, Below 1GB : 13, Total : 365

HDD : 500 GB : 81, 350GB : 21, 250GB : 113, 160 GB : 111, 80GB : 32, 40 GB : 7, Total : 365

5. Other facilities

1. LCD Projector- 35
2. Photo camera – 5
3. Video camera – 2
4. Fire wall – View Sonic – 50 users
5. Kaspersky Antivirus- campus license
6. OHP -6
7. Scanners -7
8. Handicam
9. Printers -54
10. Biometric machine 01
11. EPBX intercom
12. Sound and music system -01
13. Electronic display for time table and weather display
14. CCTV Camera - 32

Particulars	Quantity
DVR-32 Channel	1
IR Bullet Camera	4
IR HD Digital Camera	28

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

Computer facility is made available to all staff and students on campus. Central computing facility is available in the department of Mathematics for the students and staff. At the beginning of the academic year notice regarding central computing facility is displayed. A log book of users and usage is maintained.

Off campus computer and internet facilities are provided in hostels and guest house.

Computer-student ratio --

Science Faculty	1:13
Commerce Department	1:9
Arts Department	1: 9

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The institute gives importance to quality teaching by using new and upgraded technology. It plans and decides strategies for effective student learning process. The process followed is as follows :

- Augmentation of infrastructure depending upon curriculum revision
- Local Management Committee verifies, discusses and takes decision.
- Quotations are obtained and compared
- Purchase orders are placed
- Facilities are upgraded.

Future plans of the institute are to provide

1. Wi-Fi on the campus
2. Recording facility in Conference Hall
3. Digital classroom
4. Additional software in library

4.3.4 Provide details on the provision made in the annual budget for procurement, up-gradation, deployment and maintenance of the computers and their accessories in the institution.

- Verification of dead stock by the Committee at the end of every academic year
- Identification of lost and non functional instruments
- Maintenance and support of computers by system administrators
- Faulty instruments are repaired
- Obsolete instruments are written off through a proper procedure.
- Periodic up-gradation of computers
- e-Waste Management

	Provision made in the annual budget for last four years			
Year	Purchase of Computers	Accessories	Maintenance	Up gradation
2012-13	8,59,705	3,43,882	3,43,882	1,71,941
2013-14	12,50,000	5,00,000	5,00,000	2,50,000
2014-15	2,92,022	1,16,808	1,16,808	58,404
2015-16	8,00,000	3,20,000	3,20,000	1,60,000

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- Internet access in laboratories as well as LCD and other facilities in most of the class rooms in order to enable use of online resources for teaching new trends in respective subject.
- Use of animations, videos, power point presentations for better understanding of the subject.
- Use of teaching aids such as camera, microscopes attached with cameras microscopic videos for recording animal dissections
- Lectures by eminent scholars are available on websites such as those of IIT, IISc, TED Talks and shared with students.
- Encourage students to prepare power point presentations for projects.
- Screening of documentaries and short films for giving additional information.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching- learning resources, independent learning, ICT enabled classrooms / learning spaces etc.)

by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- The college has provided the necessary infrastructure in terms of computers, net connectivity, LAN facility and projectors in most of the classrooms and in all the science laboratories.
- Teachers are oriented for preparing multimedia presentations and guided to make effective learner centric presentations.
- Teachers prepare their own resource material in the form of e- resources and power point presentations. These resources are available for the students.
- “Cyber Security” course is mandatory for all post graduate students.
- Students are informed and guided about the access of authentic sites such as Pubmed Central, Google Scholar and Scientific Databases etc.
- Students are encouraged to present research papers, scientific reviews in power point formats.
- Students admitted to computer courses design websites and software.
- Some of the software designed by students are used in routine functions of the college such as billing of the staff involved in examination work.
- Some of the projects of *Anubhuti* science exhibition are used in the college for eg. public address system.
- Online resources, animations, video-clips are used for effective understanding and to get overall idea of the topic.

Thus, teachers guide students on diligent use of technology, make students aware about knowledge explosion on internet, IPR, ethical practices and aspects of cyber security. By exposing students to wide range of resources and practices, the teachers act as facilitators.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

The National Knowledge Network facility is available through the university.

4.4 Maintenance of Campus Facilities:

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocate during last four years)?

Maintenance of campus plays important role for providing clean and healthy environment and good ambience. Non-teaching staff shoulder the major responsibility of beautification and maintenance of campus. Class rooms are assigned to peons for cleaning. Water Coolers are cleaned regularly by peons. Waste generated is segregated and managed in a proper manner. In addition to this maintenance contracts are given to other private agencies.

External agencies involved in maintenance of campus are :

- Conservancy services- Dadoji Services
- Water tank cleaning –Bapu’s Cleaning Services
- Water purifiers- Annual maintenance contract with Aqua Marine
- Herbal pest control is carried out every quarter
- Bio-hazardous waste is collected and disposed in proper manner by Passco Environmental Solutions Pvt. Ltd.
- Biodegradable waste generated in college campus is processed by Baction composting.

The amount spent during last four years is as follows:

Particulars	2012-13	2013-14	2014-15	2015-16	Total
Building	14,19,311	67,00,000	1,25,85,000	40,00,000	2,59,04,311
Furniture	6,96,460	47,79,292	40,08,363	25,00,000	1,24,84,115
Equipment	10,40,888	11,08,000	33,38,874	101,61,092	1,67,63,354
Computers	17,19,411	25,00,000	5,84,044	16,00,000	81,79,954
Vehicles	1,22,929	1,08,500	1,13,494	2,16,240	7,70,663
Any other	3,50,000	4,00,000	4,03,500	4,50,000	18,53,500

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- Regular maintenance work is carried out on the campus by non-teaching staff as well as by private house-keeping agencies.
- Separate budget is allocated for maintenance at departmental and college level.
- On the recommendations of Local Management Committee, Building Committee of the parent institute looks after the maintenance and upkeep of the campus infrastructure.
- The class rooms and laboratories are cleaned and maintained by non -teaching staff.
- Equipment maintenance funds are provided by college
- Non-functional instruments are repaired by proper agencies time to time. Annual maintenance contract is signed for certain equipments and facilities.
- Computers are maintained by system administrator.
- Garden is maintained by the non-teaching staff and students of Earn and Learn scheme.
- Housekeeping is assigned to an external agency for cleaning of campus and toilets.
- Maintenance register is maintained for registering complaints of the departments in order to solve them in time.
- Pest control is done regularly by the agency, Nystt Pest Control Service Ltd. Pune.
- Students’ Council and NSS volunteer play important role in campus cleanliness drives and other *Swachhata Abhiyan* in *Navratri* Festival at *Chatuhshrungi* temple
- Basic and common facilities like UPS, generators, inverters, solar system and panels are maintained periodically.

4.4.3 How and with what frequency does the institute take-up calibration and other precision measures for the equipment/ instruments?

The institution takes up calibration and other precision measures whenever required. Non-functional instruments are repaired and calibrated or are replaced by new instruments in order to avoid delay in the conduct of practical sessions. Optical systems of microscopes are regularly cleaned by outside agencies, spectrophotometers are calibrated with standard cuvette and chemicals, coils of the electronic balances are calibrated at the time of repairs, micropipette functions are monitored according to standard guidelines and are calibrated by private agencies.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment?

- Departments from Science faculty have a number of equipments which require continuous and stabilized supply of power.
- Load shedding causes one to abandon work on computers, refrigerators and other instruments. High tension connection was opted for uninterrupted power supply.
- Two generators with voltage capacity of 125KV and 63 KV are installed for the two buildings to give uninterrupted power supply of electricity.
- A Solar Wind Hybrid Power Generation Plant of 13 KW capacity is installed on the terrace to promote the use of non-conventional renewable energy. This plant fulfills 25% of our power needs. Nearly 90 CFL bulbs, 30 fans, 54 tube-lights, 10 bulbs and 12 Halogen lights can work on this energy generated by the Plant.
- Separate Battery backup facility is available for computer laboratories.
- Special instruments in laboratories are operated through stabilizers.
- Continuous water supply in the college is obtained through Pune Municipal Corporation.
- Two electric motors are used for the availability of continuous supply of water. College has a rain water harvesting facility and bore well. Whenever there is need water tankers are called. For optimum use of water drip irrigation is done for college garden.
- To develop awareness about use of water, a 'Water Week' programme is conducted in the college.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

- The college has an artificial pond in botanical garden. Medicinal, endangered and endemic plants are nurtured in the botanical garden.
- History department has a coin exhibition cum display.
- Electronics Science department has a display of projects which are of social relevance.

Disaster Management initiatives taken by the college

- The institution has devised a disaster management plan with the help of experts and made provisions for emergency exits with prominent display boards.
- Periodic inspection and maintenance of electric appliances and power points in the campus
- Regular assessment and maintenance of civil work
- Fire Extinguishers fitted on every floor of the buildings and danger alarm system in place
- Public address system to make announcements during emergency
- Organize fire drills by Pune Municipal Corporation
- To prevent the problems arising due to harmful chemical vapors and fumes, fume hoods are installed in Chemistry and Zoology laboratories with high capacity exhausts and high length chimneys.
- Workshop for students to face and cope with crisis situations during calamities and emergencies conducted by Red Cross.

College Campus



Botanical Garden



Parking for Students

Canteen

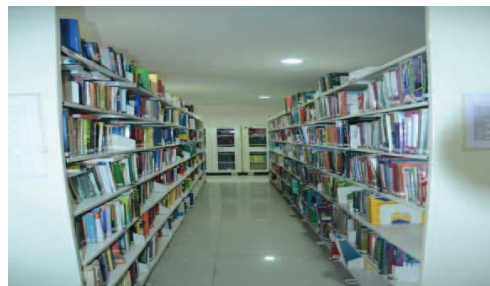


Administrative Office

Wheel chair and ramp



Reading Hall in the Central Library



Text and Reference Books Section



UGC Network Resource Centre



Gymnasium



Laboratories : Computer Science and Electronics



Chemistry Laboratory



B-VOC Laboratory



Sports Facility : Volley Ball and Basket Ball Court



Solar-Wind Hybrid Power Generation Plant



CRITERION V : STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

The college has glorious tradition of imparting knowledge and the best quality inputs to ensure smooth and fruitful journey towards excellence for the holistic development of the students. The college provides a wide range of personal enhancement and progression schemes for the students.

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

The institution publishes its updated prospectus on website by making the information accessible to students and other stakeholders and also distributes the prospectus at the time of admission every year. It contains the information about the college profile, availability of the courses at graduation and post graduation level, eligibility criteria, scholarship, free ship information, fee concession and reservation rules, students support services, college disciplinary rules and related disciplinary forms (undertaking form of Anti-ragging). Co-curricular, extra-curricular activities plan is also available in the prospectus. Prospectus also contains information regarding examination pattern, on-line admission and examination form filling procedure. Information about website and links is provided in the prospectus.

The Prospectus carries a list of Local Management Committee members, different committee in-charge of the college, and Head of the Departments.

Information about professional, certificate, value added and skill based courses is available in college brochures.

In order to increase the number of admissions for P.G. courses, separate brochures and handouts giving details of the department are distributed.

For state, national and international students, a 'Trilingual' booklet is circulated at the time of admission, to facilitate them for the easy conversation with local students in the college. It contains vocabulary useful for daily conversation in Marathi, Hindi and English.

The institutional profile is included in the list of Higher Educational institutions in Pune city, on an educational portal, Shiksha.com. This helps the students from different states and countries.

Our college is also enlisted in the database of the Department of Biotechnology (DBT), in DBT Book: "Biotech Career Ready Reckoner" published by Department of Biotechnology (DBT) Government of India (Page no.173 in 2014), as well as Department of Science and Technology, Government of India (DST-FIST). Our college is in the process of getting listed among the Best 100 Colleges through DST Scheme at national level.

All the information, rules and regulation mentioned in the Prospectus are strictly followed to fulfil the commitment as per the norms set by UGC, State Government and Savitribai Phule Pune University.

To fulfil commitments in the prospectus various majors are taken by the college such as

- Pre admission counselling and guidance to the students.
- Students' feedback mechanism for better quality education.
- Motivation and promotion of co-curricular, extra-curricular activities etc.

Prospectus helps to create awareness about college rules and regulations. Thus, the prospectus is the first step to get familiar with institute for students and parents.

5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The institution is the facilitator for all the scholarships, free-ships and insurance coverage given by government and non government agencies. The institution has made adequate provision for the welfare of students by offering the financial assistance in various forms which are listed below.

The financial aid was available and disbursed on time.

Sr. No.	Scholarship/ Financial assistance	Number of Beneficiaries	Amount in Rs.
1.	Society/Institution <ul style="list-style-type: none"> • Partial Fee waved by the Parent society • Earn and Learn Scheme contribution from college. • Funding for the Sports (TA /DA) 	6 260 105	22,290/- 1,38,685/- 2,06,434/-
2.	Staff-Financial assistance from staff	17	1,01,915/-
3.	Alumni- <ul style="list-style-type: none"> • Gollapudy -1 • Gollapudy-2 • Earthtake 	5 5 2	25,000/- 30,000/- 20,000/-
4	Insurance Company	1	50,000/-
	Total	401	5,94,324/-

Staff members of the college have begun to contribute towards “Modern Ganeshkhind Loan Scholarship” from this academic year to give loan scholarship to needy students.

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

Every year Central government, State government, other national agencies and different foundations offer various types of scholarships to the eligible students. Our parent university provides grants to give scholarships for sports infrastructural development. Data regarding number of students receiving the

scholarship and amount disbursed in last five years is given in the following table.

International students get financial assistance from their respective embassies on the basis of expenses certified by the college. (ICCR – International Centre for Cultural Relations)

5.1.4 What are the specific support services/facilities available for

Type of scholarship	State		National		Other Funding Agencies.	
	No of students	Amount in Rs.	No of students	Amount in Rs.	No of students	Amount in Rs.
S.C	1351	1,08,84,088	1351	1,08,84,088	-	-
S.T	232	9,87,233	232	9,87,233	-	-
N.T.	428	27,92,160	-	-	-	-
O.B.C.	572	24,89,662	-	-	-	-
S.B.C.	46	5,26,373	-	-	-	-
S.C.(Free-ship)	396	3,85,148	396	3,85,148	-	-
S.T.(Free-ship)	118	56,73,916	118	56,73,916	-	-
N.T.(Free-ship)	80	5,13,486	-	-	-	-
O.B.C.(Free-ship)	95	8,14,637	-	-	-	-
S.B.C.(Free-ship)	07	98,400	-	-	-	-
Eklavya –	21	1,05,000				
Minority	-	-	25	75,000	-	-
Kranti Jyoti S.Phule SPPU	-	-	-	-	33	1,65,000
R. Shahu Maharaj SPPU	-	-	-	-	29	3,96,000
Arthik Durbal Ghatak SPPU	-	-	-	-	40	14,4150
Vidyapeeth Gunwant Shishwruthi Yojana	-	-	-	-	37	3,90,000
Arunachal Pradesh	-	-	-	-	18	1,32,760
Biotechnology Consortium India Ltd.-(DBT BCIL)	-	-	7	4,20,000	-	-
Life Insurance Corporation-	-	-	1	30,000	-	-
Lila Poonawala Fellowship	-	-	-	-	4	4,00,000
Indira Gandhi Single Girl Child (PG)	-	-	3	1,44,000	-	-
UGC merge scheme	-	-	105	1,00,000	-	-
Sports	-	-	-	-	31	2,07,000
Total	3,346	2,52,70,103	2,238	1,86,99,385	189	18,20,910
% of Students	16.73 %		11.19 %		0.94 %	

Students from SC/ST, OBC and economically weaker sections

- Government Scholarship / Free-ships - To encourage and promote the students for education.
- Remedial Coaching- Under UGC scheme, we conduct extra coaching for academically weaker students.
- Bridge course- is conducted by the department of Psychology.
- Book Bank facility-Specifically identified students are provided a set of text books on annual basis to support academic enhancement.
- Fee Instalments/Concessions –Needy Students are permitted to pay the fees in instalment by the authorities of the college.
- Earn and Learn scheme-Economically weaker students are facilitated to earn while learning under the scheme of Savitribai Phule Pune University, Student welfare department.
- Hostel Facility- Our institution provides hostel facility for students in need of accommodation. In addition to that, we try to accommodate our students in other hostels, in the city.
- Students are supported by Disha psychology study circle which functions as a Peer Support and Speak out group. These students feel a sense of bonding with other students due to this platform. Their self confidence increases and they become assertive and their aspirations are supported and nourished.
- In addition to this, different departments of the college provide support in creating congenial environment in the campus through different forums such as Seven Sisters Group for students from North Eastern States

Students with physical disabilities

- Academic and personal psychological counseling is provided by the Counseling Cell
- Infrastructural facilities available such as elevator, ramp, wheel chair, separate washroom on the ground floor.
- Library is providing Audio CDs of text books to visually-impaired students.
- Special seating arrangement is provided to student at the time of examination and extra time is given for completion of examination.
- A writers' club is formed to help the students for paper writing at the time of examination.

Overseas students

- Institutional information and facilities are available on the College Website.
- Assistance in admission procedure.
- Faculty members acting as mentors for foreign students.
- Liaison with Police Department.
- 'Trilingual' booklet is circulated at the time of admission.
- Scholarships through International Council for Cultural Relations (ICCR) for their studies and provision of fee instalments for needy foreign students.
- Bridge and Foundation courses to fill the academic gap and improve the communication skills.
- Entertainment program such as 'Tour of Pune Darshan'.
- Cultural Program ('Beyond the Borders', 'Colours of India') a unique presentation event organized by the institute to understand diverse culture of India.

- Foreign students are encouraged and motivated to participate in the cultural program organized by Parent University titled as ‘Know My Country’ which has events viz. Food festival, fashion show and sports competition etc.

Students to participate in various competitions / National and International

- Financial assistance for registration, travel expenses, project expenses for academic, cultural, sports, NSS and NCC events.
- To develop research aptitude among the students, we encourage them for presenting posters and papers in national and international conferences.
- Expert guidance in the form of additional coaching for the students.
- Flexibility in internal examination as well as in academic schedule.
- Felicitation of the winners in Annual Prize Distribution of the college.

Medical assistance to students: health centre, health insurance etc.

- Physical and medical health check-up for all the First year students.
- In case of emergency, we can approach Savitribai Phule Pune University Health centre close to the College and also we can avail the medical facility at Dr. Ekbote Hospital which is run by the Chairman of our institute.
- Hb and Blood Group check up of girl students free of cost.
- Retiring room with bed is available with all support facilities in college premises.
- First-Aid-Box for medication is available in every department of the College.
- College offers insurance cover for the students under Health Insurance Scheme of Savitribai Phule Pune University.
- Health awareness programmes and lectures under “Vidyarthini Manch” activity.
- Celebration of International Yoga Day to understand the importance of Pranayam, Yoga, Meditation in day today life by demonstration.
- Sanitary napkin vending machine and Sanitary napkin disposal unit is installed in Ladies Room and Staff room.

Organizing coaching classes for competitive examinations

- A separate cell for providing guidance on various competitive examinations such as UPSC, MPSC, NET/SET/ GEE/ GRE/ CDS, Banking etc.
- Focused guidance through experts lecture, group discussions and personal interviews.
- Through Study Circle run by the cell, additional material has been procured like Text Books and Paper Sets and specialized books for giving additional practice to students.
- Weekly lectures on Mental Ability and on Mathematics are arranged to help students in solving problems and papers.
- Central library of the College maintains a separate section for the books and newsletters related to competitive examinations and the cell promotes the students to utilize these books.
- 91 students cleared various competitive examinations in last four years under the guidance of this cell.

- Graduate Excellence Exam (GEE) is a preparatory examination for all the competitive examinations. More than 30 students have been awarded ranks and special awards in GEE examinations.

Skill Development (Spoken English, Computer literacy etc.)

- English Department conducts Spoken English course for all students to improve their communication skills. A student is currently pursuing a Correspondence course in Creative Writing from The Writers' Bureau, Manchester.
- Office Automation course is conducted by Commerce faculty to generate awareness about office administration and overall management.
- History department conducts "MODI Script" Writing course every year to create awareness of history and to read old documents of Historical Period. Modi script is an important source to decipher different manuscripts of Medieval Maharashtra.
- Departments of Electronics and Microbiology run UGC sanctioned Career Oriented Courses to improve the skill set of the students in respective subject. Both the departments have signed Memorandum of Understanding (MOU) with private training institute and Blood Bank to increase employability of students.
- To understand basic principles and theoretical concepts in Physics, a hands-on training was organized by the Department of Physics under DBT star college scheme for students on 'Educational Toy-Making' in IUCAA.
- To enhance the skill in Designing of the Electronic circuit, Hands on training program on "Printed Circuit Board (PCB) Design" and to study solar energy utilization, "Photo-voltaic system installation and use of solar energy" was conducted by the Department of Electronics under DBT star college scheme.
- Statistics department conducted two days workshop on R-Software for solving numerical problems in statistics under DBT star college scheme.
- Mathematics department runs a certificate course of 'C Programming' to improve skills in the students under DBT star college scheme.
- Zoology department conducted a hands on training programme for creating awareness about biological advance techniques such as
 1. Drosophila culture and its maintenance
 2. Fish karyotyping
 3. Isolation of Bacterial DNA and gel electrophoresis
 4. Cell count by Haemocytometer – RBC and WBC count.
 5. Summer Training on taxonomy of Entomology and Ichthyology.
- Lee's Spa : Image Building, the purpose of this course is to enhance the personality, confidence level and communication skill of girl students to help them in sustaining in competitive environment.
- Disha-Psychology Study Circle works on building the following skills-communication, self- confidence, motivation ,writing skills and micro skills in research.
- Workshop on Developing Technical Skills for placement such as resume writing, confidence building and effective interview techniques under the activity 'Industry Connect'.
- A Two-Day workshop on "Microscope: Handling and Trouble- shooting" by Department of Microbiology.

Support for “slow learners”

- National Institute of Open Schooling Education is an indicator that the student is a slow learner. This is identified at admission stage. These students mainly Arts and Commerce faculty are provided the necessary help right from beginning. Science faculty students are identified through baseline class test.
- We plan and implement various activities for them such as
- Remedial Coaching - Extra lecture and practical and problem solving sessions arranged by all the departments.
- Counselling Cell helps in psychological counselling of these students as well as preparing the parents for eventualities.
- All the staff members provide personal counselling and guidance for these students to boost their confidence level.

Exposure of students to other institution of higher learning / corporate/ business house etc.

- We encourage students to undertake projects jointly handled by in house guide as well as external expert. The students also work as research project assistant to faculties in the college. Through these activities students work and visit well known corporate and Educational research institutes.
- We promote and encourage students to present and publish their papers in national, international research journals and conference proceeding and motivate them to apply for scholarships from higher institutes.
- Special guidance by resource persons and experts to students for understanding the scope of the subject and career opportunity in research area.

Exposure of students to other institution of higher learning / corporate/ business house etc.

- National Chemical Laboratory
- National Institute of Virology
- National Centre for Cell Science
- Maharashtra Chamber of Commerce and Industries and Agriculture
- Agharkar Institute
- Vaikunth Mehta,
- IISER
- Indian Meteorological Department
- Khagolvishta
- Departments in S.P.P. University
- National and Corporate Banks
- Historical museums
- Women’s Studies Centre SPPU.
- Bapu Trust for Mind and Discourse.
- Tathapi Trust.
- Mahila Sarvangeen Utkarsha Mandal.(MASUM)
- National Centre for Advocacy Studies.
- FTII Pune
- National Archives of India, Pune

Publication of student magazines

- **Akanksha** – Annual theme based college magazine giving an insight in to the young, creative and questioning mind. Akanksha, the college magazine is a platform for students’ innovative observations and creative expressions. The magazine has always highlighted the current issues and innovative solutions for the challenged faced by the youth.
- **Kaleidoscope** is a theme based students research journal of the Psychology Department. Students learn about basic research concepts, such as conducting a survey, action research, interviews, case studies, narratives, analysis and research writing skills .The themes have been as varied as –colourful youth, love and relationships, mental health of the young and media and psychology.
- **Commerce Horizon** - It is a research based magazine which deals with basic commercial aspects such as entrepreneurship, e-commerce, banking etc. It is a combination of research articles by expert as well as College students. This activity is initiated by the Commerce department to develop the research attitude among the students.
- **Flair** - It is a theme based wall magazine introduced by English Department to provide a platform for the students to discuss contemporary issues and improve linguistic competency.
- **Pramey** - It is a theme based Departmental circular related to Mathematical topics which is completely managed by the students.
- **Anubhuti** - Abstract Book of all the science projects exhibited in Science exhibition ‘Anubhuti ’in the college.
- **C’ Intellect** - It is magazine by commerce department which is a collection of research papers of staff members and students of M.Com. based on their projects dealing with primary data.
- **Shabdagandh** - It is a collection of poems of students in Marathi, Hindi and English.
- **Granthved** - A magazine published by library.
- **Research journals and proceeding of conference**-Students also participate in various conferences and publish their research papers in proceedings and different journals. A compendium of research papers presented at national conferences of Psychology is being brought out.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

Entrepreneurship Development Cell of the institute conducts various entrepreneurial activities, to encourage and motivate students to become a successful entrepreneur. Mechanism of the cell is based on following three aspects

1. Orientation and training
2. Product design and development.
3. Marketing and sale of the product.

The college organizes various activities like *Vividhaa*, Cost-Fest, Tribal handmade articles exhibition to enhance entrepreneurial skills.

➤ **Vividhaa** : Exhibition Cum Sale- With strong support from ‘Modernites’; the Alumni Association of the college, organizes an exhibition cum sale

popularly known as *Vividhaa* in the month of January, to promote entrepreneurial talents amongst College students on the occasion of Swami Vivekananda Jayanti . Every year about 500 students participate in *Vividhaa* and exhibit their talents in the area of handicraft, food and brain storming games etc. It has promoted entrepreneurship by giving stalls to alumni and professional entrepreneurs to promote professionalism amongst the college students.

➤ **Cost-Fest :** Commerce faculty arranges a Cost-Fest for learning practical applications of costing techniques. They arrange various stalls for eatables, artificial jewellery, and handmade articles for sale. The students prepare cost sheet for their product and decide its selling price by practical application of theoretical knowledge.

Impact of *Vividha* : confidence in carrying out business and promotion of entrepreneurial talent among students have created a number of successful entrepreneurs, which are listed below.

Sr.	Name of the student	Nature of the Business
1.	Sonu Choudhary	Silken Bites-Chocolate
2.	Vinayak Kulal	Surgical Instrument Supplier
3.	Prajakta Khataokar	Placement Agency
4.	Kiran Desai	Tours and travels agency
5.	Kalbhor Dhanashree	Interior Designing
6.	Vinayak Kulkarni	Catering
7.	Prasad Pashankar	Electronics Product design
8.	Divya Jadhav	Handmade Pearl Articles
9.	Ashiya Bano Pathan	Tutions
10.	Prameet Sonawane	Ice cream Parlour
11.	Shreehari Kulal	Surgical Instrument Supplier
12.	Ganesh Gawade	Track suit supplier
13.	Abhishek Joshi	Photography
14.	Amey Nisal	Financial Assistant
15.	Bharat Mahale	Supplier of Chocolates.
16.	Amol Ugale	Travel and tourism
17.	Sanyog Choudhary	Event Management
18.	Pratik Gadekar	Photography on T-shirt
19.	Amar Oak	Musical Orchestra
20.	Sagar Kanekar	Soil, Water and Food Hydrotech Lab Pune
21.	Chaitali Shitole	Chocolate and cookies –Business.
22.	Sudhanva Panase	Trainer for Acting-in Smita Talwalkar Institute
23.	Nogen	Supplier for Military Canteen
24.	Hardik Shah	Photography
25.	Ram Kumare	Photography
26.	Tushar Muley	Computer Institute-Digital India
27.	Swapnil Belgaonkar	Dealing with software business
28.	Kiran Godase	Solar Panel Business.
29.	Nikhil Ganorkar	Waste Management

30	Pratik Varadi	Training Institute Shiviyoddha, Pune
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The institute also offers stall to NGOs working for orphanage and old age homes. Due to NGO stall, students are encouraged to donate their profit from stalls to NGOs working for orphan children developing their social consciousness.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities.

- Committees for conducting extra-curricular and co-curricular activities provide opportunities to students for overall personality development
- Policy and strategies adopted by Arts Circle for extra-curricular activities –
- It has three objectives-
 1. Create a culture of appreciation of Performing Arts like music, singing, dance, drama etc. amongst the students.
 2. Train students to participate in competitions related to Performing Arts at local, state, national, international levels
 3. Involve alumni participate in training and mentoring of current Performing Arts Circle. Experts are also invited to conduct training and as chief guests.
- Policy and strategies adopted by the Sports Department-
 1. To provide the best facilities and atmosphere of the sports to attract the competent students
 2. Separate Sports in-charge and committee members are taking responsibilities for conducting sports activities.
 3. Committee works with the following objectives
 - ❖ Announcement of the games and selection of the students.
 - ❖ Interaction with eminent personalities and expert training for selected students.
 - ❖ Participation in competitions.
 - ❖ Discussion and feedback on different competitions.
 - ❖ Motivate students who could not get selected for particular competition to join additional practise sessions and recommend them for special coaching
- Co-curricular activity -College always encourages and promotes the students for participation in inter-collegiate, state, national, international co-curricular activities for multidimensional development of the student.
- Strategies adopted by the college to identify the talent among the students.
 1. Various in-house competitions are arranged to identify the best talent in the college.
 2. Winners of these competitions are encouraged and guided by the faculty and experts through workshops and training programmes
 3. We motivate these students to participate in various competitions arranged by other institutions.

5.1.6 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams.

Competitive Examination Guidance Cell provides guidance for different competitive examinations by way of organising Guest Lectures. We invite government officers for giving a first-hand experience to students. Information on revised syllabus of different examinations is circulated among students. Students are encouraged to appear for a preparatory examination, Graduate Excellence Examination so as to gear up for the competitive examinations. Considering weakness of students in Mathematics and Mental Ability, a study circle has been started to guide students personally and help them in solving their queries.

Data about students who qualified different competitive examinations						
Department	2011-12	2012-13	2013-14	2014-15	2015-16	Total
Arts	2 SET 1 Net LS	1 NET LS	2 NET LS 1 NET JRF	1 NET LS 1 NET JRF 1 PO	1 PSI 1 MPSC Class 2	12
Commerce	2 MPSC	1 CA/CPE	1 CA/IPCC 1 CA/CPT 1 CS Exe	3 IPCC 1 CS Found 6 CPT	1	17
Bio-Technology	23 CSIR NET-LS (04), CSIR NET- JRF (03), DBT-BET JRF (02), BARC- JRF Exam (1), GATE (07), ATMA-MBA (06)	10 CSIR NET- LS (01), GATE (04), Banking Service Exam (01) IIT JAM (01), JNU Entrance (01), Bioinfo Entrance- SPPU (01), MBA CET (01)	8 CSIR NET- LS (01), GATE (04), CSIR NET- JRF (01), DBT-BET JRF (01), ATMA- MBA (02)	7 CSIR NET-LS (01), CSIR NET-JRF (01), DBT- BET JRF (01) JNU Entrance (02), ATMA- MBA (03)		44
Botany				1 NET LS		1
Chemistry	2 CSIR UGC NET LS 1 GATE	1 GATE CSIR UGC NET LS	1 CSIR UGC NET LS			4
Micro-biology	1 CSIR UGC NET LS 2 CSIR UGC NET JRF	-	1 GATE 1 SET 2 CSIR UGC NET LS	1 CSIR UGC NET LS		8
Physics				1 IBACIO		1
Mathe-matics					1 NET JRF	1
Computer Science		1 MPSC PSI	1			2
Zoology				1		1

5.1.7 What type of counselling services are made available to the students?

Counselling services are provided by the Counselling Cell, run by the Department of Psychology.

Objectives:

- Offer individual psychological counselling
- Conduct skill workshops like life skills, study skills
- Conduct premarital education and gender sensitization workshops
- Dialogue with parents

Mechanism:

- Referral Committee of Staff Members
- Publicity of the services offered by the Cell through the prospectus, college website, Disha
- Referral to psychiatrists if clients need medication

Outcomes:

- Excellent response for individual counselling, including complex cases
- Outreach of several hundred is achieved every year through our skill education sensitization workshops.
- Addressing issues of suicide attempts, cross referral from psychiatrists, very effective Parents' participation in collaboration for the student's progress.

Academic:

- UG and PG students are always advised for scope of the subject, job opportunities and research opportunities.
- All the PG departments counsel students and their parents at the time of admission for future scope in the subject. Slow learner, academically weaker and students with language barrier are specially supported for their academic growth by conducting Remedial coaching, Bridge courses as well as individual counselling.

Career Counselling by Counselling Cell:

- Counselling Cell provides Individual Vocational Guidance and guidance for combined Defence Services Examination – Services Selection Board
- Training for group discussion and psychological interview.
- Motivational training for students of all the faculties.
- Organized programmes on Premarital Education and Career.
- Discussion and Orientation with Department Heads and selected staff members about psychological crises faced by students.

Personal and psycho social counselling conducted by Counselling Cell:

Various familial, inter personal relationship issues are dealt with through individual psychological counselling. A session on 'Problems in parenting' was conducted for mothers of our students. 50 mothers attended this programme. This programme has been conducted for two years.

5.1.9. Does the institution have a structured mechanism for career guidance and placement of its students? If ‘yes’, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers.

Objectives of Placement Cell

- To place students according to their areas of interest in organizations/institutes.
- To guide students for development of soft skills through pre-placement activities.
- To bridge the gap between college and industries.
- To increase awareness among current students about placement opportunities in industries and various skill-sets required.
- To determine opportunities for Arts and Commerce UG students in Service and Banking Industries.

Placement Mechanism

College has a Placement cell for UG and PG students. Activities arranged for students like aptitude tests, seminars, group discussions, guest lecturers by industrial experts and soft skill workshop by the placement cell.

The placement committee members communicate with companies for campus placement. Communication is through HR Group by telephonic contact, email or visit to the company. Student database is forwarded to the industry or company as per their requirement. Some of them provide Industrial training and campus recruitment. After finalization of date and time, the company conducts campus drive in the college premises or they call the students at their premises. Those students who qualify the aptitude test are shortlisted for the next round which includes technical and HR interview.

“Industry Connect” is an ongoing activity of the Placement cell. Purpose of this activity is to bridge the gap between industry and academia and to make student industry ready at their final year. Resources from various industries are invited to interact with the students. They guide our students and inform them about how they should prepare themselves to be fit in a particular industry. They guide students about the skillsets required to acquire a job and sustain in industrial environment. This event is organized for all the streams in the college.

PLACEMENT CELL INFORMATION

YEAR	No. of students appeared for the Placement Drive	No. of Students selected through Placement cell	Number of companies visited the campus	Total strength of final year students	% of the Placed students
2011-12	355	82	36	546	23.09
2012-13	240	59	40	654	24.58
2013-14	330	90	25	578	27.27
2014-15	207	65	28	670	31.40
2015-16	267	47+ still in process	30	705	In process

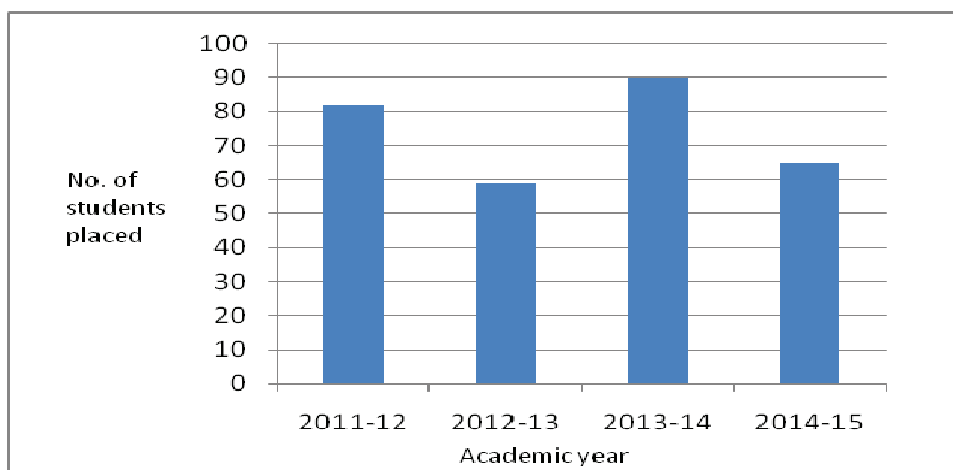


Figure 1
Graph showing the Placements during the year 2011-12 to 2014-15

During five years span many companies have approached the Placement Drive. Following are few of the companies -

Webtech Developers	Xentos	Wpoets
QuickHeal	Aftech	Trident
Avion Technology	Patni Computers	Herbniger
Webtech Developers	Bitwise	Drivage
Harbinger Group	Godwite	FTB
Arxxus Technology	Vertex	101Apps
Omniscient Software Pvt. Ltd	Trident InfoservicesPvt. Ltd.	Webtech
Amiworks Pvt Ltd	vertises	Zcon Solutions
Persistent System	Fin Techno Bridge	VSH Solutions
Ramac Infosys	Optra Technologies	Dimetrix

5.1.10 Does the institution have a student grievance redressal cell? If yes, list the grievances reported and redressed during the last four years.

The institution has a mechanism for timely redressal of students' grievances-

- A committee consist of Principal, Vice-Principal and other committee members. Objectives of the committee are -
 - To help students and staff members to resolve their grievances in time.
 - To create a conducive environment whereby staff and students can express their grievances without any inhibitions
 - To advice teacher to take feedback positively and make necessary improvements in their teaching and behaviour
 - To make students aware about rights and dignity of citizens and to be tolerant
- It is classified mainly into four categories
 - ❖ Grievance of students
 - ❖ Grievance of teaching staff
 - ❖ Grievance of non-teaching staff
 - ❖ Grievance of college
- Corrective measures are promptly taken to solve the cases.
- Though major grievances were not sighted, routine difficulties faced by students were solved at departmental level and by higher authorities like vice- principals and the principal.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The institution has a mechanism for prevention of sexual harassment.

- The committee is constituted as per the 'Sexual Harassment Prevention and Redressal Act, 2013' and 'SAKSHAM' guidelines of UGC.
- Internal Complaints Committee has been constituted to take cognizance of sexual harassment at work place.
- The main objectives to form the committee are: prevention, prohibition and redressal of any sexual harassments.
- The committee consists of equal number of men and women representing teaching and administrative staff and an external expert.
- The committee has to resolve sexual harassment complaints.
- Internal complaints committee is in place.
- CCTV cameras are installed on the campus to ensure safety

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The institution has an anti ragging committee which monitors students' interaction effectively.

Anti-ragging committee of college functions as per the guidelines of UGC, Government of Maharashtra, Department of Higher and Technical Education, Savitribai Phule Pune University, Student Welfare Department. It consists of Principal, Vice Principals and other committee members.

Objectives :

- To prevent incidences of ragging
- To create awareness about consequences of ragging
- To take corrective and disciplinary action in event of ragging
- To provide support to affected students

The committee creates awareness among students by displaying boards such as 'Ragging is prohibited', 'Ragging is criminal offence' in college campus, distributing circulars to the students. Prospectus of the college clearly states the legal consequences of ragging incidences. Students undertaking is obtained at the time of admission. Anti-ragging squad monitors student behaviour in college campus.

Different workshops, street plays are organized to sensitize students about consequences of ragging. Counselling cell is actively working towards checking ragging on campus.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

The college has provided various types of welfare schemes for the students as per the guidelines and norms of the affiliating university.

- **Earn and Learn scheme** - Economically weaker students are facilitated to earn while learning by allotting them a skill based work in the college campus like administrative, library, laboratory, sports related assignments.
Under this scheme; SC, ST category students and girl students get 100% funding from Savitribai Phule Pune University. OBC/NT and Open category students get 75% funding from the University and the college contributes 25% of the amount. The remuneration of the scheme per hour is Rs.30/- and the students are advised to work minimum two hours every day by managing their academic schedule. Through this scheme students become self reliant and develop different technical skills.
- **College Canteen**-The canteen provides snacks and lunch facility to the student at affordable rate.
- **Academic Counselling**- Every class has a class teacher who acts as a mentor.
- **Incentives** - In academics, sports, cultural, other activities achievers are recognized and awarded prizes, certificates, mementoes etc.
- **Scholarships**-Students are informed to avail the scholarships from institution, state, national and various funding agencies.
- **Sports scholarships** – National and international sportspersons of the college avail sports scholarships
- **Insurance**- Parent University in collaboration with New India Insurance Company provides insurance coverage to all the students in case of accidents and accidental deaths.

The institute conducts various programs under the Student Welfare Scheme of S. P. Pune University

- **Workshop** on – “Mothers in college campus” (Aai Mazya Mahavidyalayat) - College invites the mothers of students to orient them regarding grooming of their ward.
- **NET/SET Workshop** - To motivate and guide students and staff for fulfilling eligibility criteria of lectureship qualifying exam and research fellowship.
- **Nature trail** - To inculcate the habit of conserving nature, different programs are arranged under nature trail activity
- **Disaster Management** - Students are trained to face and cope with crisis situations during calamities and emergencies.
- **Right Groundwork for Right Industry** – workshop for students to improve employability.
- **Indradhanushya** - Youth Festival organized by parent university to promote culture
- **Swarmadhuri** - Student welfare Department of Savitribai Phule Pune University, Vidyavahini and the college conduct state level classical vocal music competition
- **Vidyarthini Manch** - To improve the personality of girl student various programs are conducted like pre-marital guidance, legal provisions for women, self-defence, collaborative activities with police.
- **Kaun Banega History Scholar?** - A unique MCQ competition held by the History department which invites overwhelming response from students and staff members from different colleges.
- Sportspersons from the college are allowed relaxation in fees

5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?

The institution has enthusiastic and active alumni association registered as ‘Modernites’. It works with the slogan of “**A silent but powerful movement that transforms**”. It is registered under Public Trust Act. Its registration number is **F-38148(P)**.

Activities and major contributions of Alumni –

Academics :

1. To give inputs for enhancing quality of education.
2. To impart knowledge and share experiences.
3. To organize *Vividhaa*- an exhibition cum sale which provides a platform for enhancement of employability and to nurture entrepreneurial talents.
4. To assist the placement cell.
5. To improve personality and communication skills of the student by conducting Image Building Certificate course and capacity building training program.

6. Conduct operational banking training program and orientation for preparation of business plan, banking and finance quiz, stock market training program and industrial visits.

Institutional :

1. Achieve inclusive growth of economically backward and deserving students through *Gollapudy* endowment scholarship
2. Conduct socially beneficial programs like Hb and blood testing camps, environmental awareness campaign, tree plantation programs, PUC check camps, PAN card registration, women empowerment programs, programs for senior citizens etc.
3. Assist NSS unit of the college.
4. Representation of alumni in Internal Quality Assurance Cell (IQAC) to help in bringing quality and professionalism in Higher Education

Social :

1. Sponsor stalls to social institutions for display of articles.
2. Kisan Club activity initiated by alumni to assist students from agricultural background and their parents through expert guidance.

Cultural:

1. To create cultural platform for students.
2. To conduct alumni meet and cultural program.
3. To assist Arts Circle and Sports departments.
4. To celebrate occasions like Teachers' Day, Independence Day, Swami Vivekananda Birth Anniversary.
5. Formation of *Dhol Tasha Pathak* : a group of performers of traditional musical instruments used in processions
6. Conduct national integration and value addition program.
7. Open Forum for inspiring youth on different themes.
8. Organizes entertainment musical program as stress busters.
9. Modern Chef competition for students, faculty members and non-teaching staff.

5.2 Student Progression

The progression of the students is continuously monitored by the institution. The institute takes numerous efforts for slow learners and weaker students for their progression. The College maintains database of students qualifying competitive examinations.

5.2.1 Provide the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Student progression	Commerce	Science	Arts
UG to PG	42 %	71.66 %	50 %
PG to M.Phil.	1 %	2 %	2 %
PG to Ph.D.	1 %	7 %	5 %

Employed • Campus Selection • Other than campus recruitment	1 %	47.5 %	10 %
	62 %	43.75 %	20 %

After graduation several students choose to work in private sector, some students prepare for competitive examinations and others join their family business.

In Computer Science faculty many students pursue higher education or undertake various technical certification or professional courses. After completion of a PG most of the students prefer employment in I.T. companies and remaining run their own business

For Post Graduate programs in Science, students of subjects like Microbiology and Biotechnology prefer to undertake research in India as well as abroad.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years. Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Program wise pass percentage of Modern College, Ganeshkhind and Mahatma Phule College, Pimpri for UG and PG courses.

Faculty	Modern college, Ganeshkhind				Mahatma Phule College, Pimpri			
	2011-12	2012-13	2013-14	2014-15	2011-12	2012-13	2013-14	2014-15
B.A.	62.50	70.50	65.4	70.77	71.32	64.6	67.11	NA
B.Com.	52.5	61.86	61.51	52.55	72.35	59.04	65.42	NA
B.Sc.	82.69	71.24	66.46	71.89	80.00	66.66	69.35	NA
M.A.	89.14	75.72	91.31	91.88	86.15	90.1	85.63	NA
M.Com	61.78	60.03	67.27	83.02	66.65	71.43	67.4	NA
M.Sc.	71.18	67.47	66.03	82.33	70.00	81.7	65.50	NA

Details of the programme wise completion rate for the last four years in percentage

Sr. No.	Faculty	2011-12	2012-13	2013-14	2014-15
1	B.A.	62.05	62.90	58.43	54.61
2	B.Com	69.36	97.00	69.09	71.60
3	B.Sc	74.91	69.50	68.10	49.57
4	M.A	70.37	61.11	62.39	46.51
5	M.Com	95.00	56.66	93.33	93.33
6	M.Sc.	93.05	90.77	83.21	92.87
7	Computer Sci.	84.41	98.48	100	100

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The college takes several initiatives to encourage and stimulate students to pursue higher education after their graduation / post-graduation.

The students are encouraged to pursue higher education by following activities.

- Every staff explores numerous opportunities and scope of the subject in their orientation lectures as well as by experts from outside.
- Many students carry out their project work with various national institutes, industries and IT companies. Such collaborations with higher level institutes and organizations help them to understand practical application of their subjects.
- Recommendation letters are provided to eligible students by the institute for higher studies and training programs
- Placement cell assists students by organizing training programs, workshops for communication skills and personality development, mock interviews, aptitude tests and psychological tests.
- Placement cell invites renowned companies for campus placement.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out-

We identify academically weak students by conducting class tests, group discussion and seminars. Bridge courses are arranged to strengthen the performance of these students. Parents are informed about their ward's performance. Weak students are counselled and guided personally so as to boost their confidence. Faculty members give them the tips for managing their time and preparing for studies. Along with personal counselling we also conduct extra practice session for theory as well as for practicals. Question bank and paper solving sessions also help such students to enhance their performance in the examination.

Personal Counselling for reducing drop out - Students who have are given academic and psychological counselling so as to help them continue their studies.

5.3 Student Participation and Activities**5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.**

Sports, Games Cultural and Extracurricular activities have highly contributed to develop overall personality development of students.

Sports

The institution provides 23 indoor and outdoor games like hockey, athletics, softball, baseball, shooting, cycling, gymnastics, judo, cross country, diving, volley ball, cricket, triathlon, kayaking/rowing, karate, boxing, water-sports,

handball, swimming, chess, carom , table tennis, Modern Shree (Body building competition for Boys) etc.

Intercollegiate/ University		Zonal		National		International	
Participation	Won	Participation	Won	Participation	Won	Participation	Won
62	11	73	37	76	20	5	5

Sports calendar

Month	Activity
July	Stock checking and purchase of equipment, Gymkhana committee meeting, Selection of student for intercollegiate competitions
August	Uniform Distribution, preparation for Independence Day preparation for the competitions
September	Preparation of Modern Shree Competition
January	Modern Shree Competition, indoor and outdoor games, annual sports, parade preparation
February	Physical education examination, sports prize distribution
March	Dead stock verification, Form filling (No.163)
April	Purchase meeting with the suppliers of P.T. uniform, preparation of 1 st May-Maharashtra Day celebration.
May	Pune City Zonal (PCZ) sports committee meeting

Extra-curricular activities:-

Cultural Activities:-

In addition to regular curriculum students are also given exposure to various types of extracurricular activities. Different associations and committees are established at the faculty level to conduct a wide range of activities for promotion and encouragement of students. Students show overwhelming response and participation to all activities.

The college encourages students to showcase their hidden talents through different cultural activities in intra and intercollegiate competitions.

- Students participate in cultural activities like dance, singing, drama, poetry reading, elocution competition, fashion show, painting exhibition, instrumental music competition, musical evening program, quiz competition, debate competition, Street Play etc.
- Every year on the occasion of Birth Anniversary of Swami Vivekananda, 'Yuva Saptah' is celebrated. Different competitions like rangoli, mehendi salad and bouquet decoration, poster making, hand writing, short film making, recitation and elocution etc are conducted. In last four years around 2000 students have participated in these events. Students are appreciated by awards.
- Students participate in renowned drama competitions like *Purushottam Karandak*, *Vinodottam* and *Dnyanakranti Karandak*. In last four years 26 students have participated in drama and 5 students have won prizes.
- 47 students have participated in singing competitions and 27 students have won the prizes. Students participated in elocution, debate and dance competitions.

- Overall 78 students have participated in intercollegiate and university level competitions and 34 students won prizes.

NSS Activities:

In last four years, **National Service Scheme** unit of our College has conducted various extension activities with the help of 500 NSS volunteers.

Sr.	Activity
1.	Blood Donation Camp
2.	Tree plantation-‘Vasundhara Abhiyan’, medicinal plant survey.
3.	Eco-friendly activity-Nirmalya collection in Navaratri and Ganesh festival
4.	AIDS awareness Program
5.	Save Girl Child –‘Kanyaratna Abhiyan’
6.	Environmental protection awareness program
7.	Road safety program
8.	Disaster preparedness and management program with Sanjivani disaster equipment Pvt. Ltd. and PMC disaster unit.
9.	Cleanliness Drive-‘Swaccha Bharat Abhiyan’
10.	Street plays on various social issues like girl child, dowry, road safety, environment, women safety and empowerment, corruption etc.
11.	Assisting Pune Police as a ‘Police Mitra’ in various festivals.
12.	Medical eye and dental check-up camp, Hb check-up camp for girls.
13.	Organic waste management, Vermi composting, Bio bacterial waste management.
14.	Poly house Organic farming training and Gir cow nurturing
15.	Visit and donation to orphanage, old age homes.
16.	NSS Special Camp-Adoption of village- Tree plantation, road construction, computer literacy, biodiversity study, Socio economic, Geographical and Historical survey, Prime Minister Jan Dhan Yojana awareness program.
17.	Fuel conservation awareness program.
18.	Non conventional energy awareness program.
19.	Election voter awareness campaigning.
20.	Gender equality sensitization program.
21.	Personality development and life skill management.
22.	Socio-cultural and traditional program-Utkarsha state level program.
23.	Organ donation awareness program.
24.	Self defence program for girls.
25.	Science and technology for rural development program.
26.	CCT and bunds for water conservation and management.
27.	‘Lab to Land’ program for adopted village.
28.	Naturopathy awareness program.
29.	E-waste and plastic waste management program.
30.	Legal awareness program by celebration of Constitution Day.
31.	No vehicle day for environment conservation and traffic control.

Indian Red Cross Society and Youth Red Cross

Indian Red Cross Society, Pune District Branch has been actively working for H.I.V., health awareness Youth Peer Education Programme (YPEP) since 2003 in Pune region. Youth Peer Education Project is actively working in 20 schools and 20 colleges in Pune region.

Activities-

- 12 students have participated in HIV AIDS Training Programme conducted by Indian Red Cross Society and Youth Red Cross
- 12 students have participated in the First Aid and Disaster Management Training Camp held by Indian Red Cross Society and Youth Red Cross
- Ten students have participated in the Rally organized by Indian Red Cross Society and Youth Red Cross on World Cancer Day.
- Six students participated in Free Check-up Camp of HIV test conducted by Aundh Chest Hospital
- An Inter State Youth Red Cross Training Camp was organized by Haryana Branch of Indian Red Cross Society at Kurukshetra. In this camp our volunteers participated in various activities like health, basic first aid, social evils, conservation of natural resources and environmental protection, protection of Human Values and Rights, Disaster Management, Voluntary Blood Donation, Organ Donation and Transplants, Training of Youths to help Senior Citizens to deal with old age problems.
- One of our students received National Best Youth Award, a team of students bagged a prize in group singing and in quiz contest on First Aid.

National Cadet Corps (NCC)

- National Cadet Corps is tri- service programme for grooming the youth-" The Leaders of Tomorrow" into disciplined and patriotic citizens.
- Total 30 Students participated in NCC (23 Army, 6 Navy, 1 Air force)
- One of the students participated in Republic Day Parade and won a gold medal in sailing at Chilka Lake, Orissa and two silver medals in rowing.
- Every week students attend the parade which is held at NCC Head Quarters and NDA.

Co-curricular activities

- Inter collegiate state level competitions:-Project, paper presentations, on line programming, quiz, one minute game mathematical hockey, subject- theme based rangoli and cartoons, puzzles, poster making, treasure hunt, group discussions, photography, open forum (Panel Discussion) etc.,
- Avishkar –Zonal level project competition, Anubhuti-Science exhibition
- Workshops, National and International Seminars and Hands on training, Webinar
- Educational and Industrial visits, Visits to NGOs
- Trekking Club
- Wall magazines, essay competitions, educational film show,
- Expert lecture Series on subject topics, guest lectures on social issues
- Pune Darshan - Program for students coming from other states.
- Collection of different articles and clippings from news papers.

- Survey of villages in terms of social and economical view.
- Exhibition cum sale of hand made products.
- Intercollegiate operational banking, stock market training program.
- Certificate courses
- Digital Information Centre in Library
- Remedial coaching
- *Ikebana* Floral Arrangement Workshop

Other Extra Curricular activities:

Sr.	Activity	No. of beneficiaries
1.	Skill development programs like Modi script, Office automation, English Speaking, Crash course-advanced biological techniques	466
2	Entrepreneurship Awareness Camp, Employability skill development program	437
3.	Soft skill development workshop : Communication skill improvement, Resume writing ,Aptitude Tests and Mock interviews.	206
4.	<i>Vividhaa</i> -Entrepreneurship skill development program	1000
5.	Capacity Building and personality development Workshop	190
6.	Publication of students' magazine.	157
7.	Beyond the Borders-An unique presentation event organized to understand diverse culture of India	72
8.	Health survey of girl students	592
9.	Testing the potability of drinking water in college premises.	16
10.	Swarmadhuri-State level classical singing competition	112
11	Disha psychology study circle, Kaleidoscope	78

In addition to these activities college has organized different activities like interviews of celebrities, celebration of birth anniversaries of national leaders by organizing book displays, video lectures and documentaries, insurance awareness program, event management group.

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels:

We are proud to have **6** students (girls and boys) as prestigious “**Shiv Chatrapati**” **Awardees** at State level and many students are recipient of Gold, Silver and Bronze medals at state, national and international levels.

Major Sports Achievements in International events

Sr	Name of student	Achievements and Medals
1.	Abhinandan Bhosale	Cycling, 2 Gold, 3 Bronze
2.	Chandrakant Mandwadkar	Cross Country, 3 Gold (selection for China)
3.	Rohit Patil	Gymnastics, 2 Gold ,3 Silver ,5 Bronze
4.	Jagrutti Chandankhere	Shooting, 12 Gold, 6 Silver, 1 Bronze
5.	Smita Gangurde	Base Ball, Soft Ball, 6 Gold, 3 Silver, 2 Bronze
6.	Archana Adhav	Athletics, 2 Gold, 1Silver, 2 Bronze

Achievements in Sports events

Sr	Name of student	Achievements and Medals
1.	Tejaswini Mule	Shivachatrapati Awardee. (Shooting) 2013-14, 10 Gold, 2 Silver
2.	Kiran Pethe	Shivachatrapati Awardee. (Judo) 2013-14
3	Krishnakumar Rane	Shivachatrapati Awardee (Athletics) 2013-14
4	Surekha Shirsat	Shivachatrapati Awardee (Judo). 2013-14
5	Shildankar Deepali	Shivachatrapati Awardee. (Cycling) 2014-15, 6 Gold,5 Silver, 2 Bonze
6	Shildankar Yogita	Shivachatrapati Awardee. (Cycling)2014-15, 1 Gold , 3 Silver
7	Sadhana Gaikwad	4 Gold , 2 Silver medals in shito-ryu-karate-Do Academy of India.
8	Ashok Chavan	8 Gold, 2 Silver, 2Bronze in shito-ryu-karate-Do Academy of India.
9	Pradhnya Patil	Judo, 4 Gold,1 Bronze
10	Swapnali Jaybhay	Judo, 2 Gold
11	Uttareswar Dapakar	Judo, 3 Gold
12	Govinda Kalbade	Gymnastics, 4 Gold, 1 Silver, 3 Bronze
13	Shardha Talekar	Gymnastics, 3 Gold , 1 Silver, 3 Bronze
14	Pawan Patil	Gymnastic, 2 Gold, 1 Silver, 1 Bronze
15	Agan Padvi	Athletics, 1 Gold
16	Abhay Karpe	Volleyball,1 Silver
17	Rupali Patil	Hockey, 2 Gold, 1 Bronze
18	Aarti Panzede	Hockey, 2 Gold, 1 Bronze
19	Sangram Chaughule	Hockey, 1 Gold, 1 Silver
20	Indal Suryawanshi	Hockey, 1 Gold
21	Vinod Kumar Jadhav	Baseball, 2 Gold, 1 Silver, 1 Bronze
22	Nilesh Lahane	Baseball, 2 Gold, 1 Bronze
23	Sandeep Karpe	Baseball, 2 Gold, 1 Bronze
24	Shraddha Talekar	Gymnastics, 3 Gold, 3 Silver, 1 Bronze
25	Vinayak Auti	Gymnastics, 3 Gold, 3 Silver, 1 Bronze
26	Bhiva Kolekar	Cross- Country, 1Silver, 1 Bronze
27	Jagurti Satarkar	Diving, 8 Gold, 2 Sliver
28	Chadrakant Zagade	Athletics, 3Gold, 1 Silver, 1 Bronze
29	Supriya Borkate	Shooting , 3 Gold, 3 Silver

30	Mohit Joshi	Volleyball, 1 Silver, 1 Bronze
31	Anita Yadav	Athletics, 4 Gold, 2 Silver, 1 Bronze
32	Madhav Made	Hockey, 1 silver
33	Aksay Kadam	Swimming, 1 Gold, 1 Silver
34	Kedar Satpute	Weight Lifting, 11 Gold, 1 silver
35	Priya Aken	Judo, 5 Gold
36	Dipali Aware	Judo, 4 Gold, 1 Silver
37	Pawanraj Patil	Gymnastics, 1 Gold, 1 B
38	Swapnil Mane	Cycling, 3 Gold, 1 Silver
39	Pritali Shinde	Cycling, 1 Gold, 2 Silver
40	Arati Hature	Cycling, 1 Silver, 3 Bronze
41	Shailesh Khope	Shooting, 8 Gold, 1 Silver
42	Supriya Jadhav	Hockey, 4 Gold, 2 Bronze
43	Pooja Bhoyar	Hockey, 2 Gold
44	Sneha Satav	Hockey, 1 Gold
45	Pratiksha Harne	Hockey, 2 Gold
46	Sneha Kad	Hockey, 2 Gold, 1 Bronze
47	Sandip Karpe	Base Ball, Soft Ball, 2 Gold, 2 Silver
48	Amit Parbat	Base Ball, Soft Ball, 2 Gold, 3 Silver
49	Sunny Mohite	Base Ball, Soft Ball, 3 Gold, 3 Silver
50	Pounima Shinde	Athletics, 4 Gold
51	Poonam Warkhade	Triathlon, 1 Gold, 2 Bronze
52	Varsha Jadhav	Base Ball, Soft Ball, Hockey, Cricket, 5 Gold, 1 Silver 2 Bronze
53	Tejshwi Kamble	Rowing, 1 Gold, 2 Silver, 2 Bronze
54	Jyoti Kedari	Kayaking, 2 Bronze
55	Shubhangi Wandhe	Weightlifting, 3 Silver
56	Abhijit Shirke	Athletics, 3 Gold, 2 Silver, 1 Bronze
57	Gauri Goundil	Judo, 3 Gold, 1 Bronze
58	Madhuri Nagdeve	Weightlifting, Bronze
59	Pravin Salunke	Soft Ball, 1 Silver
60	Prachi Admane	Soft Ball, 2 Gold, 1 Silver, 1 Bronze
61	Durgesh Gudule	Athletics, 1 Gold
62	Gaurav Nimbalkar	Hockey, 1 Gold
63	Shubham Sutar	Softball, 1 Gold, 1 Bronze
64	Harshada Wadekar	Weightlifting, 3 Silver
65	Pritali Shinde	Cycling, 2 silver, 2 Bronze
66	Balasaheb Karad	Gymnastics. 2 Silver, 2 Bronze
67	Shukruti Joshi	Softball, Baseball, 1 Gold, 1 Silver, 1 Bronze
68	Rghunath Mali	Triathlon, 2 Gold
69	Kanchan Gorade	Softball, 1 Gold, 1 Silver, 1 Bronze
70	Bhiva Kolekar	3 Gold, 1 Bronze
71	Datta Zodge	Athletics, 1 Gold
72	Parimal Sharma	Triathlon, 2 Gold, 1 Silver

List of International Players -

1. Tejaswini Muley - Shooting

2. Abhinandan Bhosale - Cycling
3. Chandrakant Manawadkar - Athletics
4. Rohit Patil – Gymnastics
5. Jagruti Chandankere – Shooting
6. Shreekant Bhosale - Athletics
7. Tamatta Rameshsing - Softball
8. Archana Adhav - Athletics
9. Smita Gangurde - Softball

Major Achievements of extracurricular and cultural activities:

Sr. No.	Name of student	Achievement
1	Shradha Sawant	First Prize -Elocution Intercollegiate competition First prize at Red Cross Elocution Competition
2.	Sagar Gawande	Loksatta Blog Benchers –Best Blogger- Prize
3.	Sabyasachib Chattrjee	First Prize in harmony intercollegiate singing Competition
4.	Jitender Kumar	First Prize – University Level Inter college essay Competition organised by Modern College General Knowledge.
5.	Satish Shirsat	First prize in five Inter Collegiate Singing Competitions. Consolation Prize in Lions Club Pune –Elite Singing Competition.
6.	Sushant Thorawade	First Prize-Intercollegiate Quiz Competition ‘Kaun Banega History Scholar?’
7.	Manoj Kawade	Certificate of Appreciation at Mimicry Competition at M I T College.
8.	Mr. Vineet Nangare	Performed as an actor in “Jaanata Raja”
9	Mr. Manasi Mahajan	First prize in Gandharva Classical Vocal Competition, Pune
10	Sabyasachib Chattrjee	First Prize in harmony intercollegiate singing Competition(for duet singing at Harmony)
11	Steffi Michael	First Prize in harmony intercollegiate singing Competition(for duet singing at Harmony)
12	Priyanka Shendge Juned Pathan Deepali Kale Snehal Kad Gayatri Wad Avinash Memane Hardik Shah	First prize in four intercollegiate Street play competitions.
13	Akshata Nayak Ipsita Wakharkar	Second prize in Vasundhara international film festival, topic water conservation measures.
14	Anuj Shinde	Participated in Republic Day Parade at New Delhi
15	Sanjeet Deokar	Attended a national Youth leadership camp,

		he achieved second place for Best Discipline.
16	Mrunal Perdeshi	Award for commercial drama.
17.	Vishal Mundada	Awarded as the National Best Youth at An Inter State Youth Red Cross Training Camp organized by the Harayan Branch of Indian Red Cross Society at Kurukshetra.

Major Achievements of co-curricular activities:

See Annexure 5.3.2 page 575

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The institution seeks feedback from its all stakeholders. The mechanism is as follows -

We have categorized feedback into 6 categories -:

- 1) Curricular Aspects
- 2) Parents Feedback
- 3) Alumni Association
- 4) Infrastructural Facilities
- 5) Teachers Evaluation by students.
- 6) Employers' Feedback

Keeping in mind various aspects related to above categories, forms of each category are designed and distributed to students

The final analysis of each category of feedback is done by the data provided by each student and interpretation is done.

Feedback is also taken from students on campus through suggestion boxes installed at prominent locations.

Verbal feedback from peers and students are feedback are sought in case of teaching performance of newly appointed teachers.

Committee members analyse the feedback collected and effectively make use of it for strategic decision making, to improve the functioning of college.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

The college provides a platform to students to publish their views and thoughts on issues through wall magazines, college magazine Akanksa and in other publications like Shabdagandh, C' Intellect-Research Magazine, Kaleidoscope, Commerce Horizon, Flair, Pramey, Anubhuti.

Some Students from the Departments of Biotechnology, Zoology and Microbiology publish papers in peer-reviewed research journals with good

impact factor.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding

As per the provision under Section 40(2)(b) of Maharashtra University Act, 1994, the College has constituted a Students' Council and its constitution is as follows:-

Chairman - Principal, Principal's Nominee, N.S.S. Program Officer, Director Physical Education and Sports, Inter College Sports Representative (ICSR), Ladies Representative (LR), One student from each class, NSS representative and arts circle representative.

At the beginning of every academic year a university representative (UR) is elected from the nominated student members. This representative is elected by secret ballot system. UR works as a link between students and college administration and ICSR work as a communicator between the sports department and the players. The Student Council plays a key role as a mediator between students and the authorities for maintaining overall campus discipline.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

For smooth functioning of the college, different committees are formed at the beginning of academic year.

Following committees have student representation and participation in it.

- Internal Quality Assurance Cell (IQAC)
- Magazine
- NSS
- Gymkhana
- Arts Circle
- Prize Distribution
- Publicity
- Event management
- Yuva Saptah
- Vividhaa
- Student Welfare
- Science Association
- Swarmadhuri
- Kisan Palak Manch
- Swacchata Committee
- Social Work-Janeev
- Placement etc.
- Earn and Learn
- In various college activities like seminars, conferences, workshops, annual prize distribution, study tours etc. volunteers and students representatives actively co-ordinate and participate.

5.3.7 How does the institution network and collaborate with the Alumni and

former faculty of the Institution.

The college has developed a mechanism to establish continuous and healthy interaction with Alumni Association 'Modernites' and former faculty members.

The college uses social media like Facebook and WhatsApp to be in touch with the alumni. Easy and quick contact is possible with alumni because of this networking.

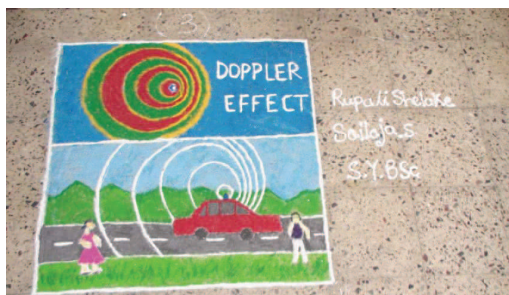
On the occasion of 'Makar Sankranti' 14th January, college organizes Alumni Meet to have interaction with present and past students. This meet is very fruitful for their academic as well as career progress.

During regular academic sessions, alumni are invited for following programs

- *Vividhaa*-an exhibition cum sale.
- As a judge for competition
- Guest lecture
- Resource Person for entrepreneurship cell activities.
- Cultural programs.

Former faculty members are invited for guiding the students and faculty members, for delivering guest lectures and as experts for various competitions.

Learner-centric Activities



Theme based *Rangoli* Competition



Salad Competition



Sharing the platform with parents



Youth Festival Elocution Competition



Competitive Examination Guidance Cell



Adventure Sports – Trek to Raigad Fort



Dhol Tasha Pathak



Felicitation of our Alumni



Modi Script Course



Workshop on Violence against Women



Educational Tour- History Department



Release of Kaleidoscope : Dept of Psychology



Visit of Joint Director, Higher Education



' Disha ' : Department of Psychology



Visit to Abhinav Farm



Students engrossed in geographical survey



Overwhelming participation during Vividhaa



Street Play on Social Issues

CRITERION VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

“Vision Statement”

We aspire to be recognized as a college of first choice for excellent and accessible undergraduate education dedicated to serving its surrounding communities through intellectual, cultural, technological and professional contributions. We aim to be known as an institution whose members share a passion for teaching and learning, an abiding commitment to innovative findings through research and creative activity and maintain a strong sense of responsibility and accountability towards society and the nation at large.

“Mission Statement”

Our goal is to create and develop ‘Modern’ youth as responsible citizen with multidimensional personalities by inculcating among students a blending of cultural awareness, compassionate and progressive attitude, scientific insights and time-tested traditional values.

The mission statement reflects the institution's long-term goal to develop modern youth with a blend of cultural values with progressive attitude and scientific insights, which is perfectly in-sync with the national policy of higher education. The college is committed to generate and provide best of the opportunities to students from all corners of communities and socio-economic strata. Most of the students come from lower-middle economic stratum, many of them as first generation learners.

Objectives:

1. To impart knowledge to all economic and social strata through value-based and holistic education approach
2. To encourage students for learning-by-doing approaches and develop critical as well as out-of-box thinking
3. To make students well-versed with changing global scenario and provide them broad-spectrum job prospects
4. To design and provide a perfect blend of traditional and need-based modern/advanced courses/programs
5. To overall develop the students and make them globally competent

Since its inception in 1992, the college has emerged as a prominent education center under the auspices of Savitribai Phule Pune University and attaining new heights as reflected from various awards and recognition it fetched in last 5 years, to name a few- the *Best College Award* of Pune University, the coveted *Star College Scheme of DBT*, Government of India, financial support under *FIST Program of DST*, Government of India

To cater the needs of the fast changing Indian society and the global context, the college offers wide-spectrum courses ranging from Diplomas and Certificates to Doctorates in three faculties viz. Arts, Science and Commerce with 07 UG and 09 PG programs.

Modern College offers degree courses in Arts, Science and Commerce with following subjects:

Arts:	Economics, Geography, History, English, Psychology and Sociology.
Science:	Biotechnology, Microbiology, Chemistry, Physics, Zoology, Mathematics, Computer Science, Botany, Electronics, Statistics, Nanotechnology
Commerce:	Banking and Finance, Marketing, Cost and Works Accounting, Business Entrepreneurship.
Vocational:	Two UGC sponsored <i>Bachelor of Vocation</i> (B. Voc.) programs in Food Processing Technology and Greenhouse Technology

Besides, the college runs postgraduate courses in Sociology, History, Economics, Commerce, Biotechnology, Zoology, Microbiology, Chemistry and Computer Science. Additionally, the college also runs professional courses like B.B.A. (C.A.)

Microbiology department of the college runs a Research Centre.

Various add-on and bridge courses, value education and skill development programs are also conducted in the college.

The total student strength of the college is 4,319.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The college is governed by Progressive Education Society, Pune, a renowned name in the education arena, founded in 1934 by Shri Shankarrao Kanitkar, a teacher and a freedom fighter. The terms '*Progressive*' and '*Modern*' used with the names of the parent body and the institutions run by it is indicative of the great vision he had 80 years ago. Notably, most of the members of the parent body belong to the teaching profession with extreme dedication and commitment towards teaching. Progressive Education Society is headed by a dynamic leader, a Professor of Surgery at B. J. Government Medical College, Pune, with more than thirty five years of experience in the field of education. He has worked as Pro-Vice Chancellor, Maharashtra University of Health Sciences, Nashik. He holds responsible positions on various bodies in University of Pune and Universities of Maharashtra and other states. He has received various awards for his extraordinary services in the field of education and social services for instance the first prize in Corporate Social Responsibility, an award instituted by MCCIA and IBN Lokmat. He takes keen interest in introducing challenging courses in keeping with the demands of changing time. He motivates and encourages faculty members to undertake research activity and organize and participate in seminars, conferences and faculty development programs. Additionally, various members of the Business Council, PES have received a number of prestigious awards in the field of

education and social services.

The top management, Principal and faculty members work in tandem, for effective implementation of the policies. The management is committed to providing the best of educational facilities to the students in and around Pune city. This is done by ensuring that qualified staff is appointed and proper infrastructure facilities are provided.

Progressive Education Society, Pune has a three tier system comprising of Elected Members, Board of Life Members and Board of Life Workers, representatives from the college and society, nominated experts and the Business Council and representative of the teachers as *Ex-officio* forms BC – formed by the representatives from all the mentioned categories

The **Local Management Committee** (LMC) is formed by following the procedure as laid down under Maharashtra Universities Act, 1994, with representatives from management, teaching and non-teaching faculties, the Principal and the management appointed visitor (a representative of the Secretary, Progressive Education Society) ensures effective governance, and works as a bridge between the management and college. The LMC ensures proper planning and effective implementations of academic and administrative quality policies and plans.

The Internal Quality Assurance Cell (IQAC) with Principal as its *Ex-Officio* Chairman work towards ensuring sustained and progressive quality. IQAC prepares the academic and activity planners and teachers' diary through consultation with the LMC, the Vice Principals, Heads of the Departments and senior faculty members. The college prepares its academic and activity calendar every year in the beginning of the academic year.

The faculty members are an integral part of forum (departmental committees) responsible for the design and implementation of quality policy and plans. The departments prepare and submit the annual academic planners as well as annual departmental activity reports.

In order to keep the available infrastructure in line with the academic growth, the infrastructure is optimally used. For this, lectures and practicals are planned in two sessions.

6.1.3 What is the involvement of the leadership in ensuring:

- **the policy statements and action plans for fulfillment of the stated mission:**

Representatives of Progressive Education Society, the LMC, Principal and IQAC take active participation and ensure that the action plans and policy statements are in line with the mission statement of the institution. Regular meetings between leaders and the stakeholders also helps in review of the action plans and policies and such decisions are passed on to faculty members periodically at term-beginning and term-end meetings.

- **formulation of action plans for all operations and incorporation of the same into the institutional strategic plan:**

The institutional strategic plans were formulated by the Business Council of Progressive Education Society, Pune in consultation with the LMC and the IQAC in view of the suggestions made by the NAAC peer team during their

visit in second cycle, the Local Inquiry Committees of S. P. Pune University, the policies and recommendations made by the state government and national bodies like UGC, DST and DBT for overall academic up-liftment. The IQAC is instrumental in implementation of strategic plans at the college and departmental levels.

- **Interaction with stakeholders:**

Progressive Education Society is known for its progressive outlook and transparent policies. All the stakeholders are encouraged to express their views freely. The stakeholders are entitled to meet the Principal freely for discussion, constructive suggestions and grievances. There are formal as well as informal feedback mechanisms through e-mails, letters and through meetings. The institute regularly organizes various activities which provide a platform to stakeholders including alumni, parents, students, experts from corporate as well other fields, for interactions, such as “Aai Mazya Mahavidyalayat”.

- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders:**

The management-leadership takes proactive steps in extending its support for policy and planning and arranges the consultation sessions involving various stakeholders. The institute conducts periodic need-analysis practices involving key administrative and academic personnel including the Principal, Vice-Principals, Registrar, Heads of Departments and senior faculty members. The suggestions, inputs from stakeholders at various levels such as UGC, DST, DBT, Directorate of Higher Education and University are considered positively for policy making and implementation as well as for making road-map for the future. Students’ feedbacks are collected and given due weightage for further necessary action. It has resulted in various important steps taken by the institute for instance the energy audit initiative in the college. The college was selected by the S. P. Pune University as a cluster college and various activities were organized accordingly by the college under Quality Improvement Program for other colleges and their faculty members. The college has initiated e-documentation facility a step towards paper-less office and e-governance in compliance with the MEDA guidelines.

- **Reinforcing the culture of excellence:**

The leaders take painstaking efforts for reinforcing the culture of excellence in the institute and creating a dynamic academic ambience. The students are encouraged for learning-by-doing and hands-on approaches which help in imparting independent thinking amongst them. The college follows the directives of state and central governments. The faculty members follow a perfect blend of traditional and innovative teaching methods. The teachers are committed for creating modern youth with global competencies who are socially-sensitive. Various MoUs/ Academic Cooperation Agreements were signed with various institutes/organizations for conducting collaborative work which has resulted in remarkable achievements in terms of extra-mural research projects, research publications and human resource development. Within a span of less than 25 years, the college has created a niche as a center of quality education, research and sports.

- **Champion organizational change:**

With progressive and modern attitude, the management leadership is committed to bring positive and necessary changes to match the current needs of the students, be it introducing new and interdisciplinary courses or implementing new policies. The involvement of all the stakeholders in policy formulation and implementation has proved pivotal for the institution's remarkable growth in academics and research, social responsibilities and relevance as well as in sports. The suggestions from the stakeholders via formal and informal ways to Principal through IQAC are being complied for policy making and implementation. The college has effectively implemented the choice based credit system for post-graduate courses and got wide-appreciation from the committee appointed by the S. P. Pune University. The Department of Biotechnology (DBT), Government of India has also appreciated the efforts by the college for Star College Scheme and has been given extension for another year after successful completion of first cycle of three years of the scheme. The college undergoes the yearly academic audits as per the suggestions of P. E. Society.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The institute has made consistent efforts which has resulted in steady progress in developing and implementing an effective mechanism to monitor and evaluate the academic and administrative policies of the institution. The feedback is collected from the stakeholders, followed by its analysis and review of possible outcomes or consequences of adapted policies or plans besides developing back-up alternatives. The parent body seeks yearly academic audit of the institution, whereas, IQAC conduct academic audits of various programs and teachers. Online systems are in place for administration including students' admissions and services. Regular meetings of the Principal, Vice-Principals and HODs are conducted faculty and department – wise to monitor, implement and evaluate the policies. All the purchases are made through the college Purchase Committee. There are various mandatory committees in the college including Anti-Ragging, Anti Sexual Harassment, Mahila Hitrakshan Samiti and they work as per the guidelines of S. P. Pune University, state and central governments. Beside this, all other committees decide their policies in consultation with the higher authorities and through discussions with the stakeholders for proper implementation of activities in their concerned areas and the Principal and Vice-Principals review their work regularly.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The top management is keen in developing academic leadership qualities amongst the faculty and provides administrative/academic freedom as well as flexibility to the Head of the Institution and faculty members. Faculty members are not only free to, but are identified and encouraged by the parent body to work as conveners, organizing secretaries, secretaries or members for the events organized by the institution. Faculty members are encouraged and

allowed to work on various University committees and panels such as Board of Studies, Local Inquiry Committees of S. P. Pune University and various Selection Panels. Periodic reviews of the performance of teaching and non-teaching faculty members are conducted by the P. E. Society. The achievers in various fields are felicitated by the college and the parent body on different platforms. Budgetary provisions are made by the college for sanctioning seed-money to faculty members for initiating research activities.

Academic freedom is given to the Heads/Coordinators of the Departments for administering and functioning of the department. Besides, the '*Departmental Committees*' comprising senior faculty members of the department give their inputs in developing academic plans and planners along with their implementation. Various committees are appointed in the beginning of the academic year for academic, co-curricular and extra-curricular activities.

6.1.6 How does the college groom leadership at various levels?

The college works towards involvement of stakeholders in policy making and implementation and grooming leadership qualities in students, teaching faculty and non-teaching/administrative staff members. The college identifies the thrust areas and arranges activities accordingly targeted for these three components. The notifications for activities are displayed well in advance through college website as well as notice boards for larger participation. The Principal, Vice-Principals and IQAC members collectively identify staff members for different activities and assign them responsibilities according to their choice. The Heads of the departments work as academic as well as administrative leaders of the departments, besides they also contribute towards college administration. The University Representative, Lady Representative and Sport Representative are elected every year, besides, each class has its Class Representative and all these elected student representatives take active part in planning and organizing various college activities.

College regularly organizes various activities for students including add-on programs, expert-lecture series, hands-on-training and workshops, educational visits and scientific competitions. Different activities are organized for teachers including seminars/ conferences, hands-on-training programs, use of ICT in teaching and learning, interactive sessions with external experts etc. Programs such as soft-skill development, office-automation, lab-safety etc are conducted for non-teaching and administrative staff. Besides, college encourages and sends the administrative staff for relevant training to meet the day-to-day challenges in administration. College appreciates and felicitates its teachers, non-teaching staff and students for their noteworthy contributions in college activities.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The college inculcates the culture of collective responsibility amongst its faculty members and the constitutive departments. The college delegates authority and provides operational-autonomy at various levels. Under the

supervision of Principal, the Vice-Principals and Heads of the Departments are empowered and the departments are provided academic autonomy a concrete step towards effective decentralized governing system. Each department is given freedom to prepare its academic planner and schedule of activities, Time-table, designing and assigning of student projects, to conduct workshop/hands-on-training programs/guest lectures on areas prioritized by the departments. The office administrative responsibility distribution and monitoring are handled by the Registrar in tandem with the college authorities. Various representative committees are formulated in the college for smooth functioning as well as for conducting a broad-spectrum of activities. The structures of the committees including the Coordinator/In-charge and the members are circulated in the beginning of academic year. The roles of the committees are well-defined and the Coordinator submits a brief overview of each activity it carried out. Various committees such as Purchase Committee, Library Committee, Research Coordination Committee, Discipline Committee and IQAC are instituted.

6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management.

The college is committed to groom a culture of participative management. The academic and administrative responsibilities are vested with the Principal, Vice-Principals, Registrar, Heads of different Departments and IQAC coordinator. Various issues related with academic and administrative relevance are discussed between Principal, Vice-Principals and Heads during meetings conducted every fortnightly. Heads of the departments are asked to conduct periodic Departmental Committee meetings. The IQAC meets at regular intervals to finalize the policy and plans and their effective and timely implementation for smooth functioning of the college.

The Business Council, P. E. Society, the Visitor and the Chairman, Local Management Committee along with the Principal actively participate and issue directives for day-to-day activities of the college. The LMC remains the apex recommending body at college level. Owing to its inclusive nature with representation from all sections including parent-body, Principal, teaching and non-teaching representatives, it handles issues pertaining to academic, administrative, infrastructural and future expansion, beside this, individual-specific issues are also handled by the LMC. The feedback is collected from all the stakeholders.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

The institution has a well-defined and formally stated quality policy aimed to achieve its mission and fulfill the vision, which helps the college in ensuring its commitment of developing Modern Youth through providing them high quality education with traditional values intact. The emphasis is given on building a culture of inclusive growth of students. The quality policy of the

college is aimed towards academic excellence, developing research-centric atmosphere, to increase the student-employability and entrepreneurship abilities.

The quality policies are developed by the management of P. E. Society, the LMC and IQAC through the involvement of all the stakeholders. Besides, the global trends and key contemporary changes in academic sector are taken into consideration before finalizing the quality policy. Governmental policies and directives are positively considered for policy framing. The policies are driven by the teaching, non-teaching staff and students. The quality policies are deployed in a systemic manner to motivate, encourage and appreciate the teaching and non-teaching faculty members and students. The policies are aimed to provide maximal opportunities for students and faculty members to develop global competence among them. The feedback from all the stakeholders is collected about the infrastructure, curriculum, teaching quality, activities etc and are given due consideration for developing and implementation of quality policies. The suggestions from the societal components are also considered positively and are incorporated in the policy framing and implementation.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The college has a perspective plan for development, which is reviewed periodically to meet the changing demands and in accordance with the national and state higher education policies. Proactive measures are undertaken for developing new courses, infrastructure improvement, teaching-learning quality enhancement and sustenance for meeting the needs of stakeholders. Skill development courses and critical skills understanding programs are developed as per the recommendations made by the stakeholders. Various aspects get due consideration for inclusion in the plan such as:

- Need for strengthening the infrastructural support
- Need to strengthen classical subjects as well as design and start new career oriented programs such as B. Voc. (Food Processing Technology and Green House Technology)
- Promote learning-by-doing and research-oriented approaches among students
- Develop ICT-enabled classrooms and maximize the use of ICT in academics and administration
- To develop a unique Solar Wind Hybrid Power Generation Plant, a move towards green and energy self-sufficient campus
- Computerize central library and provide access through online databases.

6.2.3 Describe the internal organizational structure and decision making processes.

The internal organizational structure is as follows

Progressive Education Society: the parent body was established by a notable teacher and freedom fighter Shri Shankarrao Kanitkar in 1934 and is run

primarily by teachers and led by a well-known academician and educationist Prof. G. R. Ekbote, a renowned surgeon. The society functions through a three-tier system consisting of the Business Council and the Boards of Life Members and Life Workers.

Local Management Committee: the LMC has been established in accordance with the Maharashtra Universities Act, 1994 and look after the issues at college level.

The Principal is academic and administrative head of the institute and with assistance from the Vice-Principals and the Registrar ensures the smooth functioning of the college with respect to academic and administrative issues.

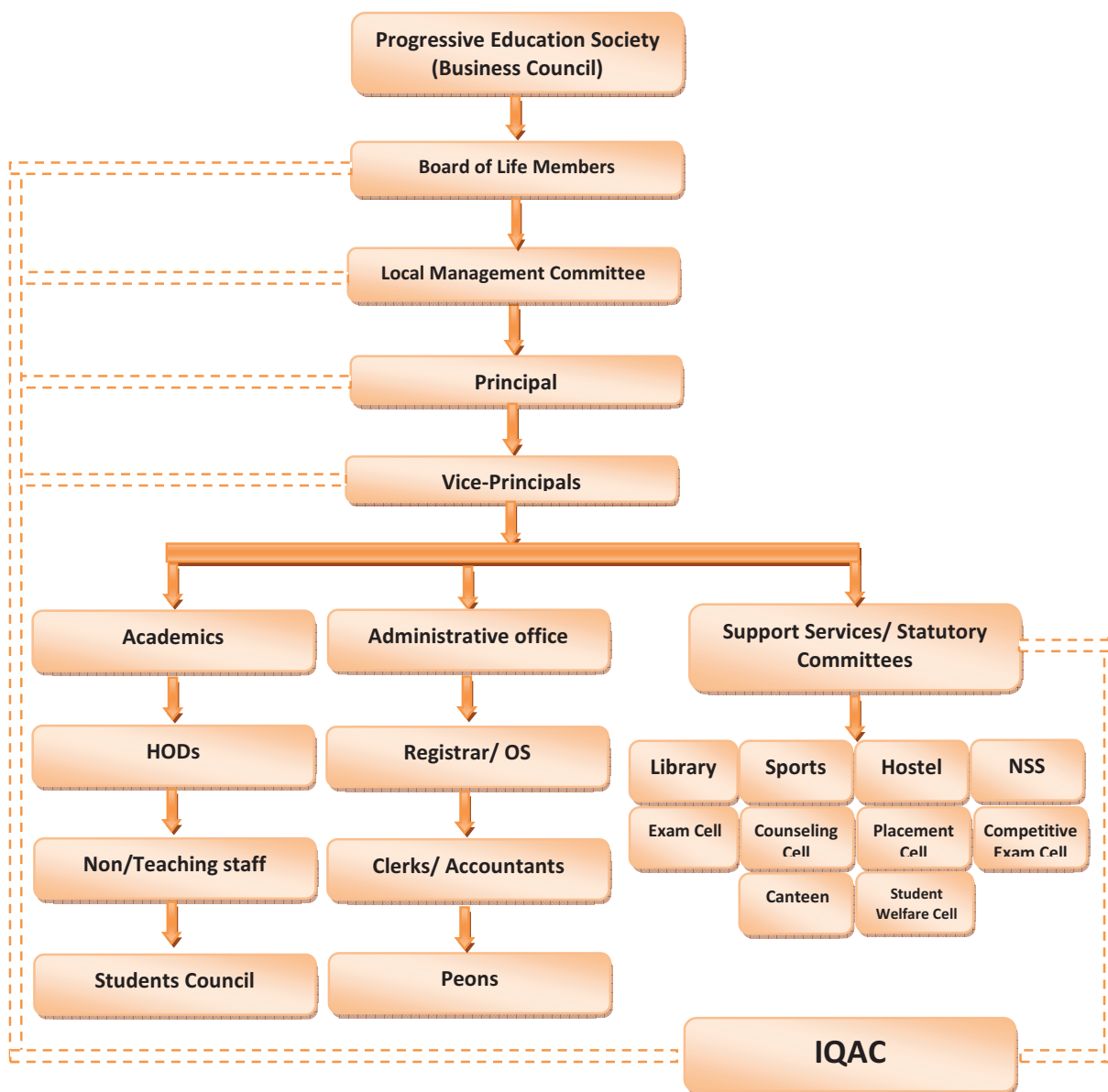
The Office takes care of issues pertaining to admissions, eligibility, various scholarships/free-ships for students, and examinations. The office also extends its clerical and account support to teachers. It maintains records and work constructively for various communications with university and government higher education authorities.

IQAC works to maintain high standards of all the activities conducted in the college. The IQAC lays down the mechanism to monitor the institutional functioning.

Heads of the departments are provided academic and administrative freedom to take decisions for smooth functioning of the departments.

Committees are constituted every year for conducting various activities and organizing events. These committees, some being statutory and some non-statutory in nature ensure the transparent and efficient functioning. Various committees formed include:

1. Admission Committee
2. Anti-Ragging Committee
3. Central Documentation Committee
4. Committee for Prevention of Sexual Harassment
5. Coordination Committee for DBT Star College Scheme
6. DST-FIST Coordination Committee
7. Examination Committee
8. Grievance Committee
9. Internal Quality Assurance Cell
10. Library Committee
11. Research Coordination Committee
12. Student Council
13. Student Welfare Committee
14. The RTI Cell
15. Time-Table Committee
16. UGC Coordination Committee



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching & Learning:**

The college has adopted numerous student-centric effective approaches for improvement of teaching and learning quality. The classrooms have been made ICT-enabled with audio-visual facilities. College provides free of cost internet facility to faculty and the students. College has subscribed the DELNET and INFLIBNET services.

New add-on practicals and demonstrations have been conducted under Star College Scheme of DBT. A number of workshops and hands-on training programs have been organized and continued for students and teachers. Guest lectures are regularly arranged with participation of stalwarts in various fields. Besides, the college has achieved a distinct place in inculcating the culture of undertaking small research projects by the under-graduate and post-graduate students, an activity which got wide appreciation at DBT and DST. The formal

student feedback mechanism is in place for quality review.

- **Research & Development:**

The college has made a remarkable growth in research within a relatively short span of 23 years of its journey as a higher education center. The college has well-equipped laboratories and well-stocked library for faculty and students. The college identifies promising researchers amongst teachers and students and provides them all necessary support including seed-money for materializing their research ideas. Students are provided with monetary support for procuring experimental material such as plant materials, seeds and microbial cultures from other setups. The college has established a Research Coordination Committee to look after the matters related with research and development activities including display of various notifications and formats for proposal for different funding agencies. The college provides support to faculty members for publishing their research findings and various aspects such as Journal Impact Factor, h-index and citation indices. A number of tie-ups/collaborations with research institutes like CSIR-NCL, IISER-Pune, NCCS and University Departments are in place for research projects of students and faculty members. A number of MoUs have been signed with industries for student training and placements.

- **Community engagement:**

Community engagement has always been a priority area for Modern College. The college conducts as well as provides infrastructural and other support for extension/social outreach activities aimed to benefit the community. In spite of the fact that community engagement programs and activities are not a part of regular curriculum, students and faculty members keenly participate in various community engagement. Winter Camps are organized under NSS and till now a number of villages have been adopted by the college and various activities to benefit villagers have been carried out. *Cleanliness drives* are carried out by the students under the supervision of teachers at *Shri Chaturshrungi Temple* during and post-*Navratri* festivals. Some programs are organized in collaboration with NGOs e.g. PCRA. Women Empowerment and Programs for Senior Citizens are a regular feature among the college activities. Tribal Handicraft Exhibition cum Sale programs are a regular feature in the college campus. The tribal artists are also taking workshops for teachers and students to teach Warli and Bamboo Art Forms. Our students take active part in Traffic Awareness Programs conducted in collaboration the Pune Traffic Police. Our students have worked as volunteers for Malin landslide disaster. Our teachers have conducted awareness program on schizophrenia with the help of an NGO Schizophrenia Awareness Association (SAA).

- **Human resource management:**

Modern college considers human resource development and management as one of its topmost priorities. A substantial number of activities for human resource development are organized on campus. Besides, faculty members and students are not only allowed but encouraged to attend such programs organized by external institutes/organizations. Faculty Development Program on Unleashing the Potentials for teaching staff, Capacity Building Program for non-teaching staff and a workshop on Laboratory Safety for Laboratory Assistants and peons were conducted by the college.

- **Industry interaction:**

The college has taken substantial steps toward filling the gap between academics and industries. A Placement Cell has been constituted by the college, which organizes industry-interaction programs 'The Industry-Connect' for students is based on the theme of interactions between teachers, students and experts from industries to discuss the current scenario as well as needs of the industries along with expectations from the academic institutes. Soft Skill development and Hands-on-Training Programs are conducted in collaboration with the industries and experts from training institutes. Since, many of alumni of the college are well placed professionals in different walks of life, they come back to their Alma Mater not only to inspire but to help and guide current students 'the budding professionals'. College sends students for industrial/institutional training programs and summer/winter schools.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The Principal as a head of the institute takes sincere efforts and special care in ensuring that adequate information is available to top Management and stakeholders. He gathers information and feedback from various stakeholders through various meetings like IQAC, student council, alumni association, PTA, as well as other statutory/non-statutory meetings. The gathered information is placed before the LMC and PES. The college has a formal and transparent student feedback mechanism in place and the data collected so is given due weightage and used for policy development and decision making. Suggestion boxes are placed at prominent locations in the college campus, besides students are also free to send suggestions/complaints directly to the Principal via e-mail.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

Owing to a proactive approach adopted by the top Management, all the staff members understand and share the vision and mission of the institute. The college works on a model of responsibility-sharing amongst its staff members to improve and maintain the effectiveness as well as efficiency of the institutional processes and programs. Management identifies staff members according to their likings and attributes and involves and supports them in organizing various activities conducted by the college. Some activities are assigned to a specific department in a particular year and then passed on to the next department in an attempt to involve staff members of all the departments. Management fosters the sense of ownership amongst the staff. Heads of the departments are given academic freedom and in turn heads make systematic efforts to involve each staff member in curricular, co-curricular and extra-curricular activities. Periodic reviews are taken for various activities and staff involved therein and given suggestions for betterment.

6.2.7 Enumerate the resolutions made by the Management Council in the last

year and the status of implementation of such resolutions.

A number of resolutions were passed by Progressive Education Society, Pune; some of them are as follows:

- Resolution Nos. 40-42, dated 26/05/2015, regarding approval of budgets
- Resolution Nos. 42-43, dated 26/05/2015, regarding sanctioning various types of leaves to the faculty members in college.
- Resolution 1, dated 13/06/2015 regarding appointment of the heads of various departments in the college.
- Resolution No. 139, dated 16/05/2015 regarding purchase of new vehicle for the college.
- Resolution No. 107, dated 26/05/2015 regarding nomination of Mrs. Swati Kandharkar, Vice-Principal, Science Faculty as teachers' representative on the Local Management Committee.
- Resolution No. 19, dated 04/12/2015 regarding approval of budget for the year 2015-16.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

A lecture by Hon. Chairman was organized and various related issues were discussed, we have applied for UGC CPE and our college has been shortlisted followed by the presentation and attending interface meeting at the UGC, Members of the Management play an active role in SPPU's Senate for introducing amendments in university statute for promoting the autonomy for colleges.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

The college has a separate formal cell for handling grievances / complaints and efforts are made to resolve all such issues on priority basis within a time-frame. An effective system is in place to file or lodge complaints by anyone in the college, first to the immediate concerned authority, in case of non-redressal, the complainant is free to present the matter before Principal. The Principal takes up the issue with the Grievances Redressal Committee. However, it is worthy to note that there is an environment of harmony.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

1. Writ Petition No. 1833 of 2013; Petitioner Mr. Suresh Dharane Vs State of Maharashtra and Others, He has challenged the selection of other candidate.
2. Writ Petitioner No. 3978 of 2011; Petitioner Progressive Education Society, Pune Vs. Savitribai Phule Pune University and Others, to stay the approval letter given by the University.
3. Writ Petition No. 4908 of 2013; Dr. Sushama Katade Vs. Progressive Education Society, Pune and Others as the approval was not granted by the affiliating University under grant-in-aid service.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’ what was the outcome and response of the institution to such an effort?

The college has a formal and very transparent student feedback system for analyzing the institutional performance from wide-spectrum viewpoints. Student Satisfaction Index was designed based on the analysis of feedback received from the students. Additionally, there are suggestion-boxes placed at prominent places in the college, besides, students are free to send e-mails to the Principal. The feedback collected is analyzed and the results are communicated to higher authorities and the appropriate corrective measures are taken subsequently. These results are also displayed on the notice boards. Necessary actions and appropriate policy decisions are taken and communicated to everyone concerned.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

The college is keen in establishing a staff friendly environment and takes sincere efforts for overall professional development of its teaching as well as non-teaching staff. On one hand, college organizes numerous in-house training programs/ workshops for teachers whereas on the other hand it also deputes them for attending such programs at various higher education and learning centers and research institutes. The college conducts hands-on training programs with wide and need-based themes for its teachers. The college has conducted various faculty development programs, stress management programs, health awareness and fitness programs with the help of staff academy. Various workshops/training programs are also conducted for development of professional skills of the non-teaching staff e.g. Soft skill Development Workshop, Office Automation Workshop etc. the staff members are given duty-leaves for attending the training programs/ workshops/ refresher courses with structural adjustments at the college level. The departments are supported internally to organize such programs, whereas 9 science departments conduct such programs with financial support through Star College Scheme of DBT. Teachers are also encouraged to attend the orientation courses and refresher programs organized by the UGC Human Resource Development Centers (Formerly known as ASCs) at S.P. Pune University and other universities.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

Since the basic goal of the college is constant march towards excellence and in this process the college has rightly identified the need to encompass and empowerment of its staff. College motivates its staff members to have a sense of responsibility and to recognize their role in pursuing academic excellence. The faculty therefore introspects and identifies their developmental needs with notable support from the management to fulfill their aspirations. The college follows an equality-of-opportunity pattern for its staff members and seeks overall development of all the faculty members. Periodic need-analyses and SWOC analyses are conducted and *area of concern* given due considerations

and this information is used for policy decisions. Faculty members are motivated to take major part in organizing various activities on campus for development of leadership qualities amongst them. The basic infrastructure as well as other support is provided to the faculty members undertaking or willing to undertake research projects. They are not only motivated but also helped in making proposals for procuring extra mural research projects from state, national and private sector funding agencies. Various workshops have been conducted in the library on e-content development and exploration, online databases and management. Staff Academy focuses on training and re-training of faculty and regularly conducts programs such as a Talk on Teaching Methodologies by Prof. Raja Dixit and Teaching Life Sciences by Prof. R. L. Deopurkar and one on Quality and Challenges in Higher Education and new University Act by Prof. Dhanagre, Former Vice Chancellor, Shivaji University, Kolhapur. The college encourages its staff for higher studies and training programs. As a result, the college has made remarkable growth in past 5-6 years and has substantial number of funded research projects.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

The college follows the rules laid by the UGC (June 2010, and subsequent amendments therein) for performance based appraisal system (PBAS) for the staff to be promoted under Career Advancement Scheme. As per the UGC guidelines, the college evaluates its staff members on the basis of their performance in Teaching, Learning and Evaluation strategies; Co-curricular, Extension and Professional Development related activities; and Research Contribution and Publications. The college administration obtains the feedback on the performance of teachers from its stakeholders. The college collects the PBAS and API (Academic Performance Indicator) forms every year from all of its staff members. The Principal reviews the performance of staff members at personal meeting, during this he points out the positives, strengths and the weakness of the concerned teacher.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

PBAS and API forms are collected from the faculty members at the end of each year. The API scores are verified by a constituted committee and checked by the Principal. Eligible cases are forwarded for CAS. The college promotes staff for research and academic activities.

After collecting periodic appraisal and their scrutiny by the Principal, his views and remarks are communicated through consolidated reports to the management. These recommendations are given serious consideration and reflect the major decisions taken by the top management and college administration.

6.3.5 What are the welfare schemes available for teaching and non teaching

staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- Establishment of a Cooperative Society is in progress
- Providing seed money for research work
- Salary advances to non-teaching staff
- Ex-gratia to non-teaching staff
- Festival advance to non-teaching staff
- Group medical insurance for faculty
- Admissions to wards of staff members on priority basis
- Provision for leaves for higher studies, attending training programs and workshops
- Organization of gender sensitization programs
- Cultural Platform *Ashayghan* for teaching and non-teaching staff
- Celebrating International Women's Day program
- Workshops on stress management and health awareness
- Workshop on computer skills for staff
- Birthday Bash: collection of funds from teaching and non-teaching staff on their birthdays and donate the same for social cause.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

Within a short span of less than 25 years, the college has achieved remarkable growth and recognition nationally. The college has been re-accredited with 'A' grade by NAAC, Bangalore, it has been awarded the Best College Award by the S. P. Pune University. The college has been awarded with the highly prestigious Star College Scheme of the Department of Biotechnology (DBT), Government of India besides being supported under FIST program of Department of Science and Technology (DST), Government of India. Tie-ups with institutes and industries are in place. Therefore, the college is successful in attracting and retaining the prospective faculty. The vacancies are widely advertised in daily newspapers with wide circulations in different languages. The college has a well defined structured mechanism for recruitments strictly abiding to the rules and regulations of UGC, State Government and the S. P. Pune University. The college invites stalwarts in various areas to work as visiting or adjunct professors and they also work on advisory boards for various on-campus activities. The college also sanction lien to its faculty members for higher studies and fellowships/training programs.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The college is run by Progressive Education Society, Pune and the P.E.S. as well as college has well formulated financial policies. The Society has internal auditor. The college has a well-developed system in place for annual budgeting and accounts auditing. The budgeting is linked with the planning. Detailed departmental budgetary requirements are called for by the college management every year well in advance, at the beginning of the year. Budgetary requirements comprise of various requirements of the departments

ranging from equipments, chemicals and consumables, computers and peripherals, and stationery required for the next academic year and accordingly the budgetary provisions are made. Finance experts of P.E.S. along with the college L.M.C. review these requirements and recommend and approve the budget. The college authorities monitor the utilization of resources. The L.M.C. prioritizes the requirements while allotting the financial resources for college as well as its constituent departments. Internal audits are also being carried out.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

The parent body P.E.S. has its own internal auditing system in place for its units. The internal auditor audits the financial documents every year. Besides, college undergoes yearly financial audits. Last external audit was done in July 2015 and various observations/ recommendations were made such as the missing books from the central library, regarding account balance on higher side in the college saving bank accounts at the end of financial year, recommendations for reconciliation of fees, timely settlements of outstanding advances by the faculty members, and managing the debts. The compliances were made point to point and were approved by the Auditor as well as by the Business Council, Progressive Education Society.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

Major sources of institutional receipt include the Grant-in-aid received from the government for salary as well as other expenditure components under non-salary budget heads for Grantable courses. The other major component of receipt is students' educational fees. Besides this the college receives funds under various governmental schemes including UGC's development grants under XI and XII five-year plans, funds under DBT STAR College Scheme and DST-FIST programs. The college receives research grants for projects from various governmental and non-governmental agencies.

Audited Statements are attached as *Annexure. 6.4.3 page 581*

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

The college has made sincere efforts and achieved a remarkable growth in securing additional funding from various agencies such as UGC, DBT, DST, ISRO and S. P. Pune University and State Government's Forest Department. The details are as follows

S. No.	Name of the scheme or grant	Amount sanctioned (Rs.)
1.	UGC Developmental grants	1,84,48,865
2.	UGC Additional Financial Assistance	25,00,000

3.	UGC- Bachelor of Vocation (B. Voc. degree program)	1,45,00,000
4.	DBT Star College Scheme	1,00,00,000
5.	DST-FIST Program	79,00,000
6.	S. P. Pune University Quality Improvement Grants	10,52,000
	TOTAL	5,44,00,865

Extra Mural Research Projects:

S. No.	Name of the Funding Agency	Amount sanctioned (Rs.)
1.	UGC Major Research Projects (2)	18,75,000
2.	UGC Minor Research Projects (12)	19,50,000
3.	ISRO	10,52,000
4.	SERB-DST	18,37,000
5.	BCUD-S.P.P.U. research projects	40,79,000

Additionally, the faculty members also provide consultancy services in a number of identified areas and the details are notified on college website.

S. No.	Name of the Organization to which consulting services provided	Name of the Faculty	Amount sanctioned (Rs.)
1.	Toxindia, Pune	Dr. Sanjay Kharat	1,40,000
2.	Forest Department, Government of Maharashtra	Dr. Sanjay Kharat	3,60,028
3.	RASA Life Sciences, Pune	Dr. Vinay Kumar	1,00,000
4.	Karve Institute of Social Sciences	Dr. Sadhana Natu	4,00,000

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

- The college has established an IQAC and functioning since 2nd January 2006. In order to be able to face the challenges posed by competition from other educational institutes and be successful, one must be able to maintain high standards of quality. While doing so one needs to be aware of the human element while achieving organizational goals. The best way to achieve progress is through participation. It has become crucial to instill and maintain quality consciousness in Higher Educational Institutes. Imparting Quality Education would eventually lead to the socio-economic development of the region and country. Thus, it is our prime responsibility

to assure and maintain high standards in various activities of the college such as teaching, evaluation, research, extension and extra-curricular activities.

- The IQAC has the following objectives:
- To assure the maintenance of excellence amongst the various programmes and events conducted.
- To conduct periodic reviews and audits for monitoring the progress and give suggestions regarding:
 - strategic plan of the college
 - requirement for infrastructural development
 - conduct of academic programmes
 - conduct of co-curricular and extra-curricular activities
 - inculcating traditional values
 - implementation of discipline
 - vision

The IQAC is playing pivotal role in constant quality improvement and assurance. The institution motivates and encourages its faculty for professional skill development as well to engage them in research activities. Institute promotes the use of ICT and other effective methods for effective teaching and learning. The better performers are felicitated by the college as well as parent body. College is committed to overall development of students and thus arranges besides curricular activities various co-curricular and extra-curricular programs. IQAC promotes a culture of inter-disciplinary and inter-departmental activities for inclusion of all. Notably, the IQAC consists of representatives from all of its stakeholders and different walks of life including management, teaching and non-teaching faculty, students, administrators and civil society, which makes it an all-encompassing coordinating unit and it effectively assure quality in all of its endeavors. All the constituent departments have separate Departmental IQAC comprising HOD, one senior and one junior faculty member and they meet regularly to devise departmental policies and plan and monitor day-to-day activities.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

A substantial number of decisions and recommendations of the college IQAC have been given due consideration by the Management and been approved such as:

- Initiating online admission process
- Starting new need-based courses
- Development of new required infrastructural facilities
- Renovation of laboratories
- To apply for governmental institutional schemes such as DBT Star College and DST-FIST.
- To apply for UGC's CPE status.
- To install green energy sources and composting 'Baction' plant
- To conduct energy audit and carbon foot-print

c. Does the IQAC have external members on its committee?

The college IQAC has the following **external members**:

- 1) Dr. Sunil Dhapte,
Associate Professor, Yashwantrao Chawan Academy of Development Administration, Pune
- 2) Dr. Amol Shinde, IRS, Assistant Registrar of Companies, Pune
- 3) Mr. Vidyesh Khataavkar, Plant Head, Force Motors Ltd., Akurdi, Pune

Alumni representative:

1. Mr. Anand Parchure, and
2. Mr. Amey Nisal

d. If so, mention any significant contribution made by them.

The external experts actively participate in the meetings and discussions as well as monitor the activities and compliance of the recommendations of the previous IQAC meetings. The external experts have also conducted faculty development programs in the college.

e. How do students and alumni contribute to the effective functioning of the IQAC?

The present and past students (alumni) of the college have played a vital role in the inclusive growth of the college in last five years. All the IQAC meetings comprise of the past and present students' representatives and they put forth the issues and concerns of the students. The alumni has played a noteworthy role helping and guiding students in various ways including instituting scholarships, organizing competitive and entrepreneurship-development activities. The alumni association of the college "Modernites®" constantly helps the college for organizing placement drives as well as career guidance, academic, research and motivational lectures. The well-placed and successful entrepreneur alumni guide students for start-ups and to increase their entrepreneur competencies. The alumni association organizes the yearly mega event 'Vividha' for providing the present students a platform to showcase their entrepreneurship skills, and the alumni association bears the expenses for installing the structures (pandals/stalls etc.). Based on the students' feedback, the college decided to start new need-based and vocational and/or career oriented courses recently.

f. How does the IQAC communicate and engage staff from different constituents of the institution?

The IQAC takes efforts in communicating its decisions to all the relevant stakeholders. The IQAC plays a catalytic role in engaging the staff in college activities and work for disseminating the vision and mission of the college to the staff. The IQAC is in constant touch with the institutional staff and play a crucial role in quality enhancement, assurance and sustenance. The IQAC conducts periodical training programs for the staff members and offer its assistance in institutional planning and monitoring. It also assists in formulation of staff teams for various activities in the college. The Business Council, P. E. Society and the IQAC members have gone to Christ University, Bangalore on an education tour 'Dnyan Yatra'.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its

operationalization.

The college has an integrated framework for quality assurance of all the academic and administrative accomplishments. IQAC members regularly meet to take stock of and review the academic, administrative and other related activities and take proactive participation besides providing all necessary support for sustenance of high quality. The seven criteria stipulated by NAAC work as guidelines for enhancement and assurance of quality in higher education and overall development of its students. The LMC of college meets regularly and offers guidance for planning, monitoring as well as review the activities being conducted by the college and ensures high quality. The parent body gives financial assistance and academic autonomy to the college.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

The college on one hand arranges various on-campus activities and on other hand it encourages its staff to attend various training programs organized by the other higher education centers. Various activities including workshops and lectures on PBAS and API, hands-on-training for teachers for various equipment handling and research methodologies, expert lecture series, soft-skill development, laboratory safety, office automation, computer proficiency, examination requirements and reforms, effective use of library e-resources, yoga and health, and use of intranet server 'Common Server' for storage of departmental and other information. Stress management sessions have been arranged. Eminent personalities like Prof. Dhanagre, Prof. G. R. Ekbote, Dr. Vijay Narkhede, and Prin. Nandkumar Nikam are invited time to time and they guide on defining and maintaining the quality benchmarks.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

The institute undertakes academic audits at the end of each term. In addition, the parent body P.E.S. has also introduced a yearly academic audit for its constituent colleges. External audits are also being carried out regularly for different courses by the Local Inquiry Committees (LICs) appointed the S. P. Pune University, and the Directorate of Higher Education officials. The University conducts the audit for skill based and extra credit courses for Post-graduation and our college got appreciation from the University authorities for effective implementation. The outcomes and suggestions/recommendations are given due consideration by the college and compliances are made accordingly, and the outcomes thus help in marching towards excellence and improvement of the quality of activities.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The Principal, Vice-Principals and IQAC regularly discuss and work for quality assurance, at the same time they also regularly update on the new developments at national levels and the requirements of the external quality

regulatory agencies. The college considers the NAAC as one of the most important and primary quality assurance / regulatory authority, and takes necessary steps to align its internal quality assurance mechanisms to the requirements and expectations of external higher educational quality assurance agencies.

The college has designed and makes use of comprehensive 'Teachers Diary' along with 'Academic audits' for yearly assessment of performance of teachers. Formation of coordination committees for various schemes of UGC and S. P. Pune University, DBT Star College Scheme, Project Implementation Group for DST-FIST etc. has helped for effective implementation of these schemes and optimal utilization of funds. The DBT conducts review meetings to assess the progress made by the college every year, besides the college also conducts advisory committee meetings comprising one DBT nominee to review the progress. The DBT has extended the support under Star College Scheme for next cycle after successful completion of initially sanctioned three years period. The authorities of DST praised the effective implementation of FIST program at the college and the progress made under this program, consequently DST sanctioned additional grants of Rs. 10 Lakhs under the scheme. The college was shortlisted for the CPE Status of UGC and accordingly the college has made a presentation before the committee at UGC in January 2016. The college has also received Rs. 25 Lakhs under Additional Grants scheme of UGC.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

College has developed elaborate mechanisms for continuous review of the teaching-learning process such as:

1. Preparation and monitoring of class-wise, teacher-wise and classroom-wise time tables
2. Preparation and implementation of Lecture Plans and Practical Schedule
3. Review of faculty-wise performance
4. Cross-checking by the respective Head and Vice-Principal followed by the Principal on daily teaching assignments of the teachers
5. Periodic review of the syllabus in departments through meetings as well as feedback from the students.
6. Periodic review of the implementation of various activities planned by the departments
7. Review of PBAS and API scores of faculty members
8. Result analysis
9. Conducting remedial coaching
10. Collecting feedback on teaching and learning from the students

All these and other measures have helped college in maintaining high teaching-learning quality standards as evidenced by the recognitions college got on various fronts such as the Best College Award by S. P. Pune University.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external

stakeholders?

The college takes efforts in ensuring the effective communication of its quality assurance policies, the mechanisms developed and adopted to achieve it and final outcomes to all the stakeholders via wide-spectrum programs/platforms such as -

1. Term-beginning and Term-end common staff meetings
2. Wide display of activities and outcomes in the form of reports and pictorial representations on notice boards and college website
3. Display of all the academic activities in advance at the beginning of academic year
4. Meetings of various committees and administrative staff members
5. Publication of annual college magazine 'Akanksha'
6. Publication of Prospectus
7. PTA meetings
8. Circulations/Notifications of invitations, details and outcomes of activities through e-mails and SMS.

6.5.8 Any other relevant information regarding Governance Leadership and Management which the college would like to include.

Progressive Education Society conducts as well as encourages the staff to take active part in various activities and programs to infuse the sense of responsibility amongst staff members. The society appreciates and felicitates the achievers. The staff members have direct access to the higher authorities of P. E. Society. The society maintains transparency and gets wide appreciation in News Papers and News Channels.

The college has constituted a 'Central Documentation Committee (CDC)', which has developed an e-repository of important documents on college intranet server- the 'Common Server' and created 'Modern Mirror'.

Leadership, Governance and Management



Best College Award by S. P. Pune University



Best Principal Award by S. P. Pune University



**Felicitation of Dr. Jyoti Gagangras at the hands of
Prof. S. G. Dhande, IIT Kanpur by the Management**



**Best Teacher Award to Dr. Vinay Kumar at the hands of
Prof. W. N. Gade, Vice Chancellor, S. P. Pune University**



DBT Star Lecture Series



Staff Academy Program



International Student Exchange: Mr. Adam Truskewycz, Ph. D. Scholar, RMIT University, Melbourne, Australia visited Biotechnology Department

CRIETERION VII

INNOVATIVE AND BEST PRACTICES

7.1 Environmental Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

The College conducts a Green Audit in its campus. The IQAC of the college conducts meetings regularly wherein the experts give valuable inputs towards environmental consciousness. Our college has a dedicated committee for Environment, Safety and Health. This committee conducts various activities with the help of the Post Graduate students. So far it has conducted the following activities:

Water Testing: College has expertise of water potability testing. Water samples are collected and potability of drinking water provided through cooler is tested on the basis of BIS (Bureau of Indian Standards) by the Microbiology Department. Testing is done once in a semester. During *Vividhaa*, an exhibition, purity of water and food supplied by student participants are monitored by the committee. Potability of water from different residential colonies as well as swimming pools is checked. The findings are communicated by the team. Review is done before implementation. .

Green Audit: It is done by professional environmental auditor, Dr. Sunil D. Kulkarni, Project Consultant, Department of Chemistry S.P College, Pune and few recommendations are made by the auditor as follows:

- On the basis of ISO 14067, 2012 standard the audit is conducted. The total emission of GHG stands at 505659 Kg which is very less as compared to the Western and US maximum limits.(Maximum 25Kilotones CO₂e per year).
- It was observed that per capita emission of GHG in the campus is 111.85 Kg CO₂e for the academic year 2014-15.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

Committees like NSS, EVS and College CSR Club implement various environment awareness campaigns including tree plantation, recycling of waste products, theme based poster competition, clean campus drives, no vehicle day, street plays in *Vividhaa*. Screening of environmental documentaries is followed by discussions during *Vasundhara* Film Festival. Our college students and staff regularly undertake ‘Swachhata Abhiyan’ to clean the campus. We regularly use herbal pest control techniques in college campus. The college has received twice ‘Clean Campus Award’ by the parent institution. Efforts of the PG students for participating in the Cleanliness drive at *Chatushrungi* temple, Pune is appreciated. Trekking Club of Geography Department provides environmental exposure to the students. Various departments conduct cleanliness drives in surroundings of forts. *Rangoli* competitions on theme like Save Earth, Global warming, Save Water etc. are organized in *Yuva Saptaha*, and an issue of college magazine ‘*Akanksha*’ was

based on the theme of Environment. The visits are arranged to *Ralegansiddhi* (An ideal village developed by well-known social activist Shri. Anna Hajare) to study water shed management, visits to ‘*Swachh*’, an NGO to study dry and wet garbage segregation and vermi-compost plant and to *Janwani* project of Zero Garbage ward to study the initiatives biogas plant and fuel generation from plastic etc.

A list of lecture sessions conducted for generating awareness is given below:

Sr. No.	Topic	Expert
1	Challenges to Change in Atmosphere	Mr. Sanjeev Ghatage, Senior academician
2	Fuel Saving and Global Warming	Mr. Mukund Apte (Ex. Officer of PCRA)
3	Experiences of Antarctica	Ms. Preeti Oswal, Expert from Center for Environment Education (CEE)
4	Water Disputes in India	Mr. Shripad Dharmadhikari (Sr. Environment Expert)
5	GM Food and its impact on Environment	Mr. Vishwajeet Kadam (Sr. Faculty from Bharati Vidyapeeth Engineering College)
6	Organic farming and marketing at Jambhe village near Pune.	Mr. Dnyaneshwar Bodake, President, Abhinav Farmers Club
7	Appropriate Water management	Mr. More, Retired Officer from Sinchan Bhavan, Pune.
8	Traffic problems in Pune	Mr. Vrushal, Expert from Lokayat.

Through these activities we educate and sensitize the youth towards making the campus eco-friendly. As a token of appreciation an award is given to a student who for presenting the Best Environment Awareness project.

- A. Energy Conservation :** The teaching and non-teaching staff and students are sensitized to switch off the fans, tubes, computers, printers and scanners when not in use. LED bulbs are used in the audio visual hall, Principal’s cabin, computer labs, some of the classrooms and library. Some quotations and posters are displayed in various departments to attract the attention and remind the students and staff about energy savings. As a part of science exhibition, students have prepared a film on energy conservation. The college has elevator facility and used only for physically disabled people, senior faculty and visitors. The buildings are renovated ensuring sufficient light and ventilation. Most of the teachers use handy and wireless public address system using solar energy. Air conditioners are installed in the departments and workplaces where they are essential. The house keeping committee is continuously monitoring the energy consumption. Under EVS course all the second year students are preparing documents to spread environmental awareness. Enrich Consultants have conducted energy audit as per the MEDA (Maharashtra Energy Development Authority) guidelines. The college as adhered to most of its recommendations.

- B. Use of Renewable Energy :** The college has installed ‘Solar Wind Hybrid Power Generation Plant’ that generates 13 KW energy daily. Tube lights and fans of class rooms, staff room in main wing, exam control room, audio visual hall, office, corridor and Principal’s cabin are powered by the power generated by the Solar Wind Hybrid Power Generation Plant. The project was inaugurated by the Guardian Minister of Pune District. This unique project is appreciated by BBC and regional and national media. Various educational institutions, trusts, housing societies and authorities of State Electricity Boards have visited the plant. Mr. Fredrich Wittig and Mrs. Eva Britting from Furth, Nuremberg, Germany paid a visit to this project. The college has proactively made a documentary about this project and it has been uploaded on college website to motivate stakeholders and generate awareness about use of renewable energy and its important role in sustainable national development. Besides, there are seven solar street lamps on the campus.
- C. Water Harvesting :** The college is getting sufficient consumable water supply from Pune Municipal Corporation. The college has installed a rain water harvesting plant in the campus. College has a bore well that supplies water for garden, wash rooms and landscaping. Drip irrigation system and sprinklers are available for Botanical garden, Biotech green house and B.Voc Green House. Our college has celebrated ‘Water management week’ with the slogan and poster making competitions to sensitize the students about water conservation.
- D. Check Dam Facility :** Natural water is conserved by properly channelizing it through underground pipelines which are routinely cleaned and maintained. This has increased the ground water level and restricted the soil erosion. Similarly, the college NSS unit has taken the initiative of constructing Continuous Contour Trenching (CCT) at Baner Hill, Pune in collaboration with *Vasundhara*, an NGO working on environmental issues.
- E. Carbon Neutrality-**The College has observed ‘No vehicle day and Cycle rally’ to sensitize students about benefits of minimizing use of fuel. ‘*Kalpataru*’, a charitable institution run by our alumnus Mr. *Vinayak Kulkarni* organized a cycle rally. Forty students from the college assisted ‘*Police Mitra*’ initiative of *Chaturshrungi* Police Station for traffic control and for PUC check. Regular lectures of traffic police are arranged to guide and motivate the students towards Carbon Neutrality. Our college builds a culture of environmental sustainability through environmental literacy with effective implementation of Environmental Science program of the university. The college has implemented e-documentation project titled ‘Modern Mirror’ which has minimized the wastage of paper for documentary evidences. Required information is accessed by the Central Documentation Committee through a common server. The central library as well as departmental libraries preserve question papers in digital form. The examination question papers are made available online by the affiliating university. The size of the question paper is compressed to readable text matter and about 70% paper usage as well as printing is curtailed. Papers are used judiciously for printing purpose. As a part of UGC sponsored COC on Embedded Systems, our students have

designed an electronic time table display board to display time table. We encourage use of paper bags instead of plastic on the campus. Our college has conducted a workshop on 'Low Carbon Campus' in association with PCRA and BCUD of SPPU. We create biodiversity awareness among stakeholders through display of pictures of birds, fish, butterflies, snakes, dragon flies, etc.

- F. Tree Plantation :** Botany Department maintains a botanical garden in the campus. The students of botany conduct practical sessions in the botanical garden. The campus appears green due to a systematic tree plantation. Students of EVS have planted 30 medicinal plants as a part of their assignment. A theme based 'Slogan' competition was conducted as a part of EVS course. Our college has planted trees at the campus of P.E. Society, our parent institution in *Paud Taluka* in Pune. Our college has successfully planted and grown flora on barren land. Our NSS unit has planted 100 indigenous trees in the campus and on *Baner* hill.
- G. Hazardous Waste Management-** Science departments have systematic mechanism of management of waste chemicals and other laboratory materials. The college has signed a contract with **Pasco Environmental Solutions** for safe disposal of hazardous chemicals and Bio hazardous waste. Some departments are also recycling papers and solvents. Chemistry Department runs a skill based course on 'Industrial Safety techniques'. The details of hazardous wastage management of various departments are mentioned in Annexure 7 A.
- H. E-Waste Management :** We ensure maximum utilization of computers and allied hardware components. Old computer are updated. There is systematic management of scrapped computers and printers. The mechanism for disposal of the e-waste is guided by dead stock committee. The college has signed an MOU with Kuldeep E scrap material (MPCB Authorized E-Scrap Collection Center) through which all the e-waste in the college campus will be taken care of. Also our staff and NSS students create awareness among neighborhood community. A system administrator has been appointed to look after maintenance of ICT. Server Virtualization is used for backup of all the data. It helps to minimize the use of DVDs and CDs. Old computers are donated to needy students of schools and other social institutions.
- I. Ultra Modern sanitation facility:** Sanitary napkin vending: machine and disposal facility is installed in ladies common room.
- J. Other -** College has initiated 'Agro-to-Campus' programme under which weekly supply of organic vegetables at college campus as well as residential areas. From last four years, about 10,000kg Nirmayla is being collected and converted into compost in collaboration with Chatushrungi Trust during *Navratri* Festival at *Chatushrungi* Temple College has installed Baction compost (Green waste management plant) and students are sensitized and educated regarding the segregation of wet and dry garbage. Organic waste including canteen waste is processed through Baction Compost Plant. 20-30 Kg garbage is processed daily and 5 Kg manure is generated. College is

earning revenue from the sale of this manure. The manure is used for botanical garden as well as we give training to self help groups for making vermin-culture.

7.2 Innovation and Best Practices

Elaborate on the innovations of the institutions in achieving its mission, goals and objectives...

Our Innovations

The college provides an Innovative Activity Platform for all-round development of our students that reflects vision and mission of the institute

1. Anubhuti

Objective: Develop scientific attitude among students.

- Inculcate scientific attitude among the science students through the activities including projects, quiz, poster and model displays. Short listed projects are promoted for intercollegiate competitions.
- Display creativity and talents through an exhibition.
- Screen scientific films to enhance awareness
- Seed Bank facility

2. Vividhaa

Objective : Promote entrepreneurship and employability among youth.

- Provide a platform jointly with Alumni Association to promote entrepreneurship culture.
- Display and sale of handicrafts, dress material, snacks and beverages, paintings, stationery, photography.
- Hands on training of business skills.

3. Banking Club

Objective : Develop financial literacy and encourage students to impart knowledge to society under the guidance of experts.

- Make youth aware about social commitment through Bank Mitra, Bank Connect projects
- Implement innovative teaching through Mock Banking, collaborative training programs to bridge the gap between theory and practical application.

4. Flair

Objective : Enhance the communication skills and in depth knowledge in languages

- Encourage creativity through theme based wall magazines.
- Promote writing and technical skills in English and showcase their talents with words and ideas.

List of Flair Issues

Sr. No.	Title of the magazine	Expert	Date
1.	Social Networking Sites-A Curse Or A Boon?	Ms Vinita Deshmukh, Senior Editor and author of 'To The Last Bullet'	20 September 2011.
2.	Olympics	Mr.Kirti Patil, Sports Editor, Sakaal Times,Pune , who	10 September 2012

		covered the Olympics live from London	
3.	100 Years Of Indian Cinema	Cinematographer Mr. K.G.Soman, former Head of Cinematography Department in the Film and Television Institute, Pune	27 August 2013
4.	Ad-Word-Tisement	Mr. Rugwed Deshpande, Director, Setu Advertising Pvt. Ltd. Pune, and Dr. Supriya Sahasrabuddhe, renowned translator, writer and a multilinguist.	26 August 2014
5.	Stack To Reel	Prof. Sharma Vikas script writer FDII Pune.	14 th September 2015

5. Disha

Objective : Building soft and hard skills in psychology and functioning as a peer support group

- A study group
- Conduct programs like workshops on the various issues such as 'How to build self confidence', 'Study Skills', 'Premarital counseling', 'Sexuality and Gender', 'Preparation for MSW and B Ed. Entrance examinations', etc.
- Film viewing and discussions, interaction with successful alumni, encouraging the students to complete various courses of Women's Studies Center of SPPU, interviews of Mental Health professionals and visits to organizations working on mental health, gender issues and social issues.
- Publishing Kaleidoscope a student's research journal

List of issues of Kaleidoscope

Sr. No.	Year	Theme	Experts
1	2011-12	Focus, Love and Madness	Dr. Bhooshan Shukla, Well Known Psychiatrist and Vidya Bal, Social Activist
2	2012-13	Colorful Youth	Divyanshu Ganatra, Psychologist, Ujwala Mehendale, Journalist
3	2013-14	Life is beautiful, Is life beautiful?	Dr. Shyamala Vanarase, Psychologist, Dr. Bhargavi Davar, Executive Director, Bapu Trust
4	2014-15	The Journey of Life	Dr. Alka Wadkar, SPPU, Sadhana Dadhich, Social Activist
5	2015-16	Media and Psychology	Dr Bharat Bhushan, Dean YASHADA, Nikhil Khair, Partner, SETU Advertising

6. Cost Fest

Objective : Encourage the students to study cost effective techniques and apply them in everyday life.

- An intercollegiate event for cost and works accountancy students like paper presentation, chart display, publication of e-magazine and compilation of posters in the form of book.
- Impart key element of business and promote creativity and entrepreneurship.

7. **Mathematical Hockey and Prameya**

Objective : Develop a keen interest in mathematics through games like Hockey.

- Encourage student-centric learning and speed up computation skills.
- Develop writing and analytical skills in mathematics through an in house publication.

8. **Jidnyasa**

Objective : Creation of an interdisciplinary platform for knowledge sharing

- Satisfy curiosity of students about various areas of knowledge.
- Engage students into a variety of activities like wall magazine, demonstrations, inculcating News Paper reading skills, experiments, surveys, guest lectures, visits

List of Themes of Jidnyasa

Sr. No.	Theme	Year
1	Meet the author : interactive sessions with Dr. Milind Bokil & Dr. Neeta Bokil Celebration of birth centenary of Yashwantrao Chavan	2013-14
2	Science for Non-Science and an interaction with a senior scientist Dr. Bal Phondke	2014-15
3	Vachan Jidnyasa, a survey about reading preferences of Students and faculty from the institution	2015-16

9. **Interaction**

Objective: Promote ICT skills through professional expertise.

- Intercollegiate competitions like paper presentations, project preparation and online examination, Quiz, group discussions.
- Conduct interaction with technical experts.

10. **Image Building**

Objective: Transform personality to suit corporate culture and enhances employability

- Certificate course for girl students
- Course covers nutrition and health management, hygiene, beauty therapy, meditation and yoga, business English skills, mock interviews etc.
- Collaborative effort with Industry

11. **Magnit**

Objective : Acquire more practical computer knowledge.

- Awareness and orientation sessions for Software applications, cyber security and law

12. Udaan

Objective : Focus on career opportunities in Life sciences.

- Collect and display the complete profiles of the leading industries in the field of Pharmaceuticals, Food and Dairy, Agriculture, Medical Diagnostics and Research.
- Make students aware of career prospects in these fields.

13. Modern Shree

Objective : Sensitize youth about good physique.

- Conduct an intercollegiate competition of Body Building.
- Popularize body building as an activity with the crucial component of good health.

14. College Social Responsibility (CSR) Club

Objective : Make youth aware about social responsibility

- Direct youth towards national and social commitment
- Donate time and goods to the needy and disadvantaged groups in society

15. Swarmadhuri

Objective : Preserve and promote classical and semi classical music

- Collaborative effort with Vidyawani and Vidyarthi kalyan samiti of SPPU.
- Intercollegiate classical vocal and semi classical (Natyasangeet) competition
- Doyens in the field are invited as Chief Guests and to interact with the participants.

16. Vidyarthini Manch

Objective : Create awareness about gender & health issues and empower girl students.

- Conduct sessions on use of science in the kitchen, health hygiene, problems and solutions, self-defense techniques to girl students, pre marital counseling, legal rights of women, adolescence and awareness about reproductive health and hygiene.

17. Aashayaghar

Objective : Create a platform for teaching and non-teaching staff members to showcase their talents

- Strengthen a cordial relation among staff members.
- Performances by teaching and non-teaching staff.

18. Value Inculcation Activities

Objective : Enhance various values among youth.

- Celebrate birth and death anniversaries of national leaders.
- Inculcate personal, social and national values through documentaries, thought provoking lectures by eminent experts, poster competitions, rallies, campus cleaning drives etc.

19. In House Magazines

Objective : Promote research and presentation skills.

- Develop research approach through various in house publications like Commerce Horizon by the faculty of Commerce, Kaleidoscope of Psychology department, *Shabdthagandha* of Languages department, Trilingual booklet for the students from North East and for foreign

students, C-Intellect based on primary data collection, *Prameya* of Mathematics department, *Granthavedh*, e-newsletters by the Central Library.

20. Yuva Saptaha

Objective : Create multi-dimensional personality.

- Commemorate Birth Anniversary of Swami Vivekanand on 12th January.
- Develop the multi-skills amongst the youth through various competitions like essay writing, handwriting, recitation, mehendi and rangoli, salad decoration and flower arrangement, short film, elocution and poster making.

21. What's The Good Word?

Objective: Improve linguistic competency and enrich vocabulary.

- Conduct intra-collegiate Quiz Competition to test the vocabulary and fluency of students in English.
- Conduct entertaining rounds like Jumble Trumble, Spellings and Pronunciation, Visual Round, Mixed Platter, and Rapid Fire etc.

22. Learning by Sharing

Objective: Promote a sense of social responsibility

- Donate and share textbooks and study material to help economically backward students

23. Kaun Banega History Scholar?

Objective: Enhance competency in history through in depth study

- Conduct intercollegiate competition to motivate students to engage into in depth study of historical facts
- Encourage students to develop keen interest in the subject.

24. Skill Development

Objective : Bridge the gap between theory and practical application

- Design and implement short term skill based courses.
- Collaborative training, workshop with industry for enhancing their employability.

List of Skill Development Courses

Sr. No.	Department	Course details
1	English	Short term course in "Finishing School"
2	Marathi	Marathi DTP
3	Psychology	Skills in Psycho Social Counseling
4	Sociology	Social Services and welfare
5	Sociology	Diversity inequality and public policy
6	Commerce	Transformation
7	Commerce	Computerized financial Accounting Program (Tally ERP)
8	Commerce	e-Filing of Income Tax Return
9	Commerce	Entrepreneurship Development Program
10	Computer Science	Making Battery products
11	Computer Science	Web Designing , Development & Hoisting

12	Computer Science	Computer Network
13	Zoology	Skill Development in Applied Zoology
14	Electronics	Solar PV System Installation & Maintenance
15	Electronics	Printed Circuit Board & Manufacturing
16	Electronics	Repair & Maintenance of Mobile Phone
17	Physics	Repairing & Maintenance of Electrical Home Appliances
18	Microbiology	Quality Control in Laboratories in Industries
19	Mathematics	Mathematical modeling in Life Sciences
20	Mathematics	Use of Sci-lab Software
21	Mathematics	C- programming
22	Mathematics	Vedic mathematics
23.	Zoology	Recent Trends in Biological Techniques
24	Physics & Zoology	Archeology & organic Evaluation
25	Zoology	Diversity & Taxonomy with special reference to Entomofauna
26	Zoology	Research methodology & Skills
27	Library	Blogging & CMS
28	Geography	Travel & tourism
29	Biotechnology	Natural Products Biotechnology
30	Political Science	Citizen Journalism

25. Kisan Palak Student Melava (MEET)

Objective: Develop a professional approach towards agriculture and achieve inclusive growth

- Arrange meet of students and parents having agricultural background.
- Understand problems and share knowledge on agricultural issues and policies in collaboration with agricultural institutions and authorities
- Media coverage.

26. Agro to Campus

Objective: Sensitize all stakeholders about social responsibility and creating an awareness about organic agro products

- Initiate direct sale of fresh organic agro products from farm to college campus.
- Provide a platform to students for field experience in market survey, marketing, packaging, studying consumer behavior etc.

27. Colours of India And Beyond Borders

Objective: Celebrate diversity and create a platform to exhibit national and international cultures

- Exhibiting culture of various countries and states of India through 'Beyond Borders'.
- Performance by students to spread the message of national integration and peace through a cultural program 'Colors of India'

28. Psy World

Objective: Create awareness about mental health and applications of psychology

- Presentations on myths about mental illness, counseling and information about meditation.
- Personality tests through drawing and handwriting
- Psychometric skills and study of micro expressions

29. Tribal Art Exhibition:

Objective: Organize collaborative exhibition to promote a sense of social responsibility towards tribal community.

- Develop tribal art making and employability skills.
- Joint project with IDEA and SPPU to promote tribal community by making campus available for sale of the tribal handicrafts.

30. Dhol Tasha Pathak:

Objective: Promote cultural skills among girl students.

- Performance of Dhol Tasha by girl students (Dhol Tasha is otherwise a male dominated performance)
- Impart traditional skills and motivate them to perform during Ganapati festival and Navaratri festival.

30. Modi Script

Objective: Preserve and promote historical language skills.

- Training the stakeholders through a certificate course
- Consultation for translation of *Modi*, a historical language into Marathi and English language

31. Book Exhibition and Display

Objective: Generate awareness about the new collection in library

- Organize book exhibitions of various publishers and vendors.
- Inculcate reading habits among our teachers and students. Teachers recommend books which help to add new quality books in library collection.
- Display of books for competitive examination twice or thrice a year.
- Display of new titles twice in a month.

32. Granthavedh online E-newsletter

Objective: Provide a technology assisted platform for the readers to share their articles

- Provide open access and online publishing. Library publishes E-newsletter- *Granthvedh* twice in a year.
- *Granthvedh* includes library updates, new arrivals, books, film, journal, blog reviews, articles, poems by the teachers and students.
- Declare the Best Reader of the year to motivate students.

Our Best Practices

Our college is well-known for its innovation and best practices. We have observed considerable transformation among our students. As a result of this we have been able to bag almost all the coveted awards instituted by affiliated University.

1. **Title : Vividhaa an exhibition cum sale : Training of business and employability skills.**

2. **Goals :** *Vividhaa* is an platform for promotion of entrepreneurial skills among students. It aims at -
- Encourage creativity and entrepreneurial ability.
 - Nurture entrepreneurial skills.
 - Provide a platform to interact with well established alumni.
 - Develop employability skills.
 - Create social awareness and accountability.
 - Ensure women empowerment.

3. **Context**

The college is located in suburban area. We have diverse student population consisting of bilingual students, students from varied socio-economic strata. Strength of girl students is prominent. Taking this into consideration the college programs are planned in such a way that it meets the needs of student diversity. Our college being multi faculty, a common platform for interaction of all students and stakeholders has been provided.

4. **Practice**

The college in collaboration with its registered Alumni Association [No. F38148(P)] '*Modernites*' started this platform. This exhibition is held during Yuva Saptah to commemorate birth anniversary of Swami Vivekanand. Every year the program is designed with a special theme like Be Together, Colours of Unity, College to Community and Youth Empowerment etc. Various programs are organized to coincide with the selected theme. *Vividhaa* organizes Business Plan competition in addition to putting up stalls for brain storming games, handicraft articles, dress materials, jewelry, paintings and photography, snacks and beverages. Participants have to go through a pre-defined process for selection. Photography assignment of the event has been assigned to the students thus encouraging entrepreneurship on the campus.

The List of programs of *Vividhaa* an exhibition cum sale

- **Open Forum** discussions with popular youth icons on the themes like my dream, my career, College to community, Youth and Media.
- **Competitions** including cycle rally, marathon, treasure hunt, street plays on various social issues, Modern Chef - a recipe competition open for all
- **Social Awareness Programs** include musical healing on physical and mental health awareness, 'Inspire Yourself' by *Bhashaa Foundation* to donate books and other resources to underprivileged groups, Lakshya Foundation that works for soldiers on borders, Abhinav Farmers' Club working for farmers, road safety programs, demonstration on Tribal products by IDEA, 'Ek Hote Deool' a program on the Indian sculptures and temples, *Powada*, Shivaji's warfare, '*Amachi Sanskruti Amacha Varasa*' sponsored by History department, fund raising for poor farmers through NAAM Foundation.
- **Stakeholders' Meet** including HR Meet, Alumni meet and parents meet.
- **Cultural Programs** : Programmes on music, dance and fine arts : Colours of India, Amar Bansi, Yaaodon ki Baarat, and Aushyavar Bolu Kahi
- **Career Fair** information on career oriented courses.
- **Exposure to Marathi Films** to show a career path for the students in Culture and Drama

The Executive body decides the dates and theme of the event and accordingly decides the schedule. Following steps are involved in conducting the event :

- A. Formation of event management and core committee:** The committee consists of selected staff members and students. It guides and gives the program outline, encourages maximum participation
- B. Applying for stall:** The student of any faculty can apply in a prescribed form.
- C. Orientation to participants:** Students are oriented in business areas, marketing skills, quality, packaging, garbage management, cost cutting techniques, hygiene and cleanliness, environmental consciousness, social responsibility etc. Alumni experts offer guidance to participants on how to convert their business ideas into business plans.
- D. Approval of stall:** Interested students are required to explain the products to be displayed for sale. The committee gives suggestions for modification
- E. Allotment of stall:** The committee allots the stalls for display handicrafts, food and beverages, scientific projects and brain storming games. Every year at least two stalls are given free of cost to social institution like Sparsh Balgram, NGO working for HIV /AIDS affected children, Kalpataru, NGO working on awareness regarding different social problems; Adivasi Handicraft Centre, known as IDEA, working for tribal artisans, Abhinav Farmers' Club working for farmers to promote organic farming. Rotary Club of Pune, Gurukul working for orphaned children to sensitize our students and faculty about their role towards society.
- After taking into consideration the feedback from participants we have implemented entrepreneurial training for skill development in the areas of jewellery making, chocolate and cookies making and origami paper art. Such students, later put up stalls in the exhibition.
- F. Evaluation and Awards:** Alumni and some experts from industry are invited as judges to evaluate. The participants of *Vividhaa* donate some amount of their profit to NGOs.

5. Evidence of Success (In terms of number of participants for Five years)

Stall Owners	Event Management group	Training for Entrepreneurship 2014-15	Audience/ Visitors/ Buyers
1000	220	210	12,500 (approximate)

There are many success stories of Vividhaa which has provided a common platform for all stakeholders. It has assisted our students in entrepreneurship as their career. It has also promoted qualities such as accountability towards society, good citizenship, creativity and scientific approach. Here are a few success stories -

A. Case of Mr. Vinayak Kulkarni an Alumnus of Biotechnology

Mr. Vinayak Satish Kulkarni is an alumnus from the post graduate department of Biotechnology. He was our student from 2011-2013. He was average student. Initially he did not participate in extra activities in the college. He has been raised by a single parent, he had to shoulder family responsibilities. He was not aware of the career opportunities in the course he was pursuing. But he had curiosity to learn and develop new skills.

In a Business Plan competition during Vividhaa he got the opportunity to present his plan on ‘**Conversion of chicken feathers into biofertilizer**’. He got the necessary guidance by different experts in Vividha and won the first prize for his presentation.

During his post graduation he started a group called *Kalpataru (Ek Haat Aapulkicha)* which is a charitable trust that provides a helping hand to the needy by donating clothes, toys, books from students and staffs. He demonstrated two projects on Malin Gaon, a land slide affected village and a project on Smart City during Ganapati Festival for which Municipal Corporation has awarded him first prize. In addition to this, he started a Tiffin service, which later expanded into a company serving Diet Food to Patients in Hospitals in and around Pune. At present he is working in following sectors:

1. *Kalpataru (Ek Haat Aapulkicha)*
2. Business Development and Management of an Engineering Industry and a Catering unit
3. Has set up a Bio-fertilizer plant

Thus, *Vividhaa* and the college has helped him grow as a versatile individual and a successful entrepreneur with keen sense of social responsibility.

B. Case of Ms. Chaitali Shitole an alumna of Commerce Faculty

Ms. Chaitali Shitole was a student of commerce stream from 2008 to 2012. She belongs to a small middle class family in Pune. At the time of admission she was very shy and timid girl not communicating much with others. Her confidence level was very low and was not very ambitious about her career. Her parents had decided to marry her off after her graduation. Her teachers encouraged her to participate in the “Entrepreneurship Week” organized by the college. She joined the training for Chocolate Making at the last minute against several odds. This was a turning point for her. Then onwards she actively participated in *Vividhaa* every year putting up stalls for tasty and attractively packed chocolates. She bagged the first prize for excellent marketing and maintaining best quality for her product. Also, she began training people in chocolate making. There is a demand for her chocolate from the city area and she plans to expand her business. Currently she is working with a private company viz Software Tech India, Pune to earn the seed money for her business. She has conducted entrepreneurial training programmes for over 180 students. *Vividhaa* has given her the platform to launch a new venture and made her self sufficient. She has proved to be the best example of woman empowerment.

C. Case of Mr. Bharat Mahale an Alumnus of Arts

Mr. Bharat Mahale was a student of Arts stream from 2009 to 2014. He comes from a low economic background. Teachers found him to be shy and aloof and encouraged him to participate in *Vividhaa*. He put a tribal art and craft stall under his teacher’s guidance. He learnt marketing strategies by observing other stall holders and improved his skills to enhance his sale. This not only made him confident but also showed a path towards bright career ahead. He has registered his firm as “Millinem” and has started his own chocolate

business with a brand name “Sweet Memories Chocolates”. His chocolates are sold by a famous departmental store in many districts of Maharashtra and they are also available online through Amazon, Big Basket and Gophers. During summer, his chocolates are also available in tourist hill stations near Pune. Inspired from *Vividhaa* he had started his business and has shown progress. Under Mudra Yojana he has decided to set up a manufacturing plant at Dehu, Pune.

List of Successful Alumni Entrepreneurs

Sr. No	Name	Details
1	Mr. Kiran Desai	Swamiraj Travel & Tourism, Vice President of Mordernites® Alumni Association.
2	Mr. Sonawane Pramit	United Coffee shop
3	Mr. Boraskar Rahul	Ice cream Parlour
4	Mr. Chowdhari Sanyog	Event Management
5	Mr. Ugale Amol	Tours and Travel
6	Mr. Parade Shailendra	Namkeen Wafers and Snacks.
7	Mr. Nair Nishanta	Freemind Software company
8	Mr. Jarad Nilesh	Andriod apps development Cynotis
9	Mr. Vikas Patil	Web application Development
10	Mr. Nikhil Ganorkar & Mr. Pratik Katekar	Baction Compost Plant
11	Mr. Sangale Dasharat	GK Scientific
12	Mr. Dhirtiman Deka	Altasorz Green Technologies Pvt.Ltd
13	Mr. Pratik Gadekar	Runs SECONDS SHOPS in Pune, Gujarat, Part of Movie Producing Team, Asst. Manager. Sanskruti Group
14.	Ms. Sonu Chaudhari	Chocolate making Business
15.	Ms. Prajakta Khataavkar	Sale of Paintings
16.	Ms. Sujata Naik,	Tupperware Business
17.	Ms. Sudhanawa Panase	Manaswa Arts Production, Training and Pramotion of films
18.	Mr. Aditya Apte	Designing and Advertiseting and instrumental music player
19.	Mr. Bhavartha Dekhane	Agro products and compearing
20.	Ms. Prajakta Tale	Sale of Paintings
21.	Mr. Vipul Pagar	Promotion of Organic products
22.	Mr. Manoj Kavade	Comedy actor, Singer having his own album.
23.	Mr. Supriyo	Cerebrum IT Company
24.	Ms. Jyoti Mungase	President of Hrudayjyot Charitable trust
25.	Mr. Umol Shinde	Tourism
26.	Mr. Shrikant Tergaonkar	Catering and supplier of tiffin to our hostel students.
27.	Mr. Tushar Mule	Computer Institute , first time in Maharashtra adopted 3 villages under the

		scheme Digital India
28.	Mr. Kiran Godase	LaxminarayanIndustry , Manufacturer of Solar Water Heaters, Solar Light system and Plastic Water Tank.
29.	Mr. Belgaonkar Swapnil	Uniflash Software Company
30.	Mr. Tushar Rithe	Singer & Expert in Musical Instruments
31.	Pallavi Naik	Event management
32.	Mr.Akshay Waghmare	Marathi Film Actor

6. Problems Encountered And Resources Required:

A. Problems Encountered: Our college has taken the consistent effort to inculcate entrepreneurial abilities among our students to attain the objectives of our institution and impart some values amongst them. We have encountered the following challenges

1. Managing and training a huge number of students from multi faculties
2. Fund Raising for the event through sponsorships
3. Interdisciplinary knowledge sharing among all
4. Changing trend among students in variety of stalls, criteria for selection, monetary transactions

B. Resources Required:

1. Event management team: Trained manpower
2. Infrastructure facilities : Electricity and Water supply
3. Garbage management system
4. Safety and security measures
5. Financial support

7. Notes (Optional)

- Financial assistance can be sought from Government Agencies for Alumni initiated activities intended to empower the youth towards entrepreneurship.

8. Contact Details

Name of Principal	Dr. Sanjay Sopan Kharat
Name of Institution	P.E.Society's Modern College of Arts, Science and Commerce Ganeshkhind Pune
City	Pune
Pin code	411016
Accredited status	'A' in the year 2010-11
Website	www.moderncollegegk.org
Mobile	9011070912
Fax	020-25650931
Email	moderncollege16@gmail.com

1. Title: Modern Mirror : an Information Repository System

2. Goals:

Modern Mirror is a centralized database system of our college formulated with following objectives.

- Gather annual information from various departments and activities.
- Develop uniform and central system of data collection

- Maintain transparency through e-governance at college level.
- Assist the various authorities in conducting academic audit.
- Safeguard the environment by avoiding the use of paper while documentation.
- Retrieval of information made easy

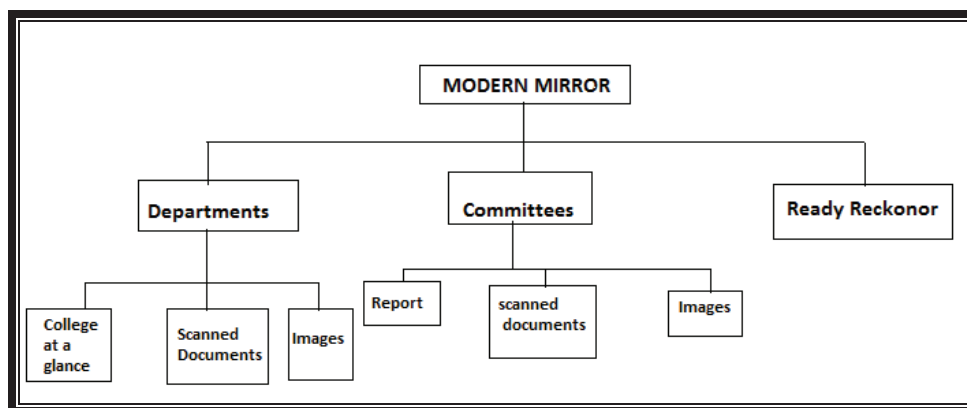
3. Context:

Our college has 21 Departments and 42 committees. The institution is accountable towards various academic authorities like its Management i.e. Progressive Education Society, Savitribai Phule Pune University, University Grants Commission, National Assessment Accreditation Council, Maharashtra Government and various funding agencies providing research grants. Every year the college submits AQAR to NAAC. Since NAAC verifies and validates the information based on documentary evidences, it calls for duplication of documents causing wastage of paper. Similarly IQAC faces difficulties in compiling the annual data every five years for NAAC reaccreditation.

Post re-accreditation, the college decided to design Modern Mirror a compilation of all information which is frequently sought in different formats by authorities at different levels.

4. The Practice:

From the academic year 2010-11, a 'Central Documentation Committee' has been in place. This committee collects information from all departments in the areas of academic programs, certificate courses, major activities, achievements of staff and students, extension, research, collaborative work, seminar and workshops organized for staff and students, financial assistance given to students, remedial coaching and road map. The committee heads submit their annual activity report along with documentary evidences and photographs. A standard format of data collection is devised for systematic collection of information and the same is uploaded under three heads on the common server.



Modern Mirror Mechanism

1. 'College at a Glance' is compilation of department-wise data annually
2. 'Scanned Documents' are the scanned copies of supporting evidence
3. 'Images' : a collection of pictures taken during departmental activities

From the academic year 2014-15, we have started using ‘e-Documentation’ to avoid use of paper. A common server mechanism is used for this purpose. Compilation of data with regard to departmental activities, committee reports etc. are stored in the ‘Modern Mirror’. This proves helpful in preparing annual report for university, for management, for presentation of college profile, for knowing our strengths and weaknesses and for writing NAAC report. In order to maintain transparency it is accessible to all faculty members on a ‘read-only’ basis on the common server.

5. Evidence of Success:

We found the following benefits out of this exercise of ‘Best Practice’ towards environmental consciousness...

1. Paperless Documentation

Since 2014-15, the college has adopted green documentation by uploading the information on a common server. All the departments and committees upload the information as per the schedule assigned to them. The same information is compiled in Ready Reckoner that provides the information for a particular academic year. This has reduced use of paper in the college.

2. e-Governance

The information stored on common server under Modern Mirror is easily accessible to the Principal, office and various departments. We maintain security by restricting it’s editing at the hands of Central Documentation Committee and Principal only. It has reduced the stress of every faculty while maintaining documentation systematically.

3. Facilitates Academic Audit

Our parent organization introduced academic audit of various institutions to understand the SWOC analysis. This helps in taking necessary steps towards improvement. Information in ‘Modern Mirror’ proved to be useful during academic audit and self appraisal of our college. Also this helps in providing information to the university.

4. Easy To Design A Road Map

Modern Mirror gives a consolidated progress report of the institution and helps in designing the road map.

6. Problems Encountered And Resources Required:

A. Problems encountered

1. Revision and modification of the format in order to accommodate variety of information
2. Ensure network security
3. Orientation of concerned people for submission and retrieval of data

B. Resources required

1. Common computer network facility
2. Adequate memory for maintaining database and software support for retrieval and filtration of data.
3. Necessary hardware and software support

7. Notes (Optional)

We have benefitted from this exercise and recommend other educational institutions to adopt this method for easy documentation, data compilation and its retrieval.

8. Contact Details

Name of Principal	Dr. Sanjay Sopan Kharat
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Solar-Wind Hybrid Power Generation Plant



Cycle Rally



No Vehicle Day



Run for Unity



Clean and Green Campus



Beyond Borders



Technology-enhanced pedagogy



Learning with fun





Reaching out to Gen-next



Swaramadhuri



Vividhaa: a platform for nurturing entrepreneurship



Evaluative Report of the Departments

1. Name of the department: Economics

2. Year of Establishment: UG- 1992-93& PG-2005-06

3. Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG - B.A.(Economics), PG - M.A.(Economics)

4. Names of Interdisciplinary courses and The departments/units involved:
Department of Computer Science and Commerce, Modern Law College for Interdisciplinary Programme in Human Rights, Cyber Security and Child Abuse.

5. Annual/ semester/choice based credit system(programmewise):

Annual: UG - B.A.(Economics) and

Semester/choice based credit system: PG - M.A.(Economics)

6. Courses in collaboration with other universities, Industries, foreign institutions

1	TISS women Protection Cell	Skill based programme on Child Abuse
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7. Number of Teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	4	4

8. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt. /Ph.D./M. Phil.etc.,)

Academic Year 2015-16

Name	Qualification	Designation	Specialization	No. of Years of Experience
Mr. D.R. Pathan, HOD	M.A. Economics	Asst. Professor	Economics	26 Years
Dr. A.H. Shinde	M.A., M.Phil., Ph.D	Asst. Professor	Economics	08 Years
Mr. B. G. Sawaishikre	M.A., M.Phil., NET	Asst. Professor	Economics	02 Years
Mrs. Shilly John	M.A., M.Phil., NET, M.P.M.	Asst. Professor	Economics	12 Years

9. List of senior visiting faculty:

1. Dr. Sunil Dekhane, Shree ShahuMandirMahavidyala, Parvati, Pune

2. Mr.LaxmanBaisane, NowrosjeeWadia College, Pune
3. Dr. R.N. Bhalerao
4. Dr. A. Deshmukh, Nivruti Babaji Navale Sinhagad College, Pune

10. Percentage of lectures delivered and practical classes handled by temporary faculty (programmewise): 10%

11. Student –Teacher Ratio (programmewise): UG = 120:1 PG = 40:1

12. Number of academic support staff (technical) and Administrative staff; sanctioned and filled: Sanctioned: 02, Filled: 02

13. Qualifications of teaching faculty with Ph.D/MPhil/PG.:

- Ph.D.: 02
- M.Phil.: 04
- PursuingPh.D.:03

14. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total Grants received:

- Completed One Minor Research Project funded by BCUD
- Grant Received: Rs. One Lakh.

15. Publications:

- 16.1 Publication per faculty

Faculty Name	Total
Dr. A.H. Shinde	06
Mrs. Shilly John	03

- 16.2 Details of papers published in peer reviewed journals

Faculty name	Research paper	Name of the journal National/International/in-house	Year
Dr. A. H. Shinde	Economics of Silk Farming	International – 1 International Journal of Multifaceted and Multilingual ISSN :2321-88	2014-15
	Economics of Sericulture Industry Study of Control on Disease of Mulberry Bush and Silk worm	National Anijya Vidya ISSN: 0975-623X Ahakari Maharashtra ISSN: 0972-3218/2000	2013-14 2014-15
	A Study of Silk Worm and care of Cocoon and Mulberry Bush	Baliraja	2013-14

	Economics of Sericulture Industry	Online Asian Journal of Multidisciplinary Studies +ISSN:2321-88	2013-14
Mrs. Shilly John	Changing Pattern of Card Based Payment System in India	Sameeksha Shodh (College Level) ISSN:2348-2362	2014-15
	Growth Trend in Card Based Payment in India	RESCO (College Level) ISSN: 2395-6860	2015-16

➤ **16.3 Details of Research Paper Presented/Published in Conference/Symposiums**

FACULTY NAME	RESEARCH PAPER	NATIONAL LEVEL/ INTERNATIONAL/ STATE/UNIVERSITY	DATE
Dr. A.H. Shinde	A Study of Indian Education and Health Service	National Level ISSN:2394-207X	11/03/15
	Measures to reduce Farmers Suicides	National Level	11/12/08 To 13/12/08
Mr. B. G. Sawaishikre	“Economic Policies and Suicides of Agricultural Farmers”	University Level	10/02/11
	“The Adverse Impact of Economic Development on Environment”	State Level	26/02/11
Mrs. Shilly John	“Emerging Dimensions in the Indian Finance Sector: The Credit Card Industry”	International Level	15/12/08 to 17/12/08
	“Food Security in India- Past, Present and Future”	National Level	13/03/10
	“Growth Trends of Credit Card Industry in India”	National Level ISBN:978-81-925782-0-0	04/01/13 & 05/01/13

➤ **Chapter in Books:**

FACULTY	BOOK NAME	YEAR
Dr. A.H. Shinde	Two Chapters in Economic Development & Planning T.Y.B.A G-3 Text book ISBN: 978-93-83639-26-7	2015-16
	Two chapters in International Economics T.Y.B.Com. Text book ISBN: 978-93-83639-27- 4	2015-16

17. Faculty as members in a) National committees b) International Committees c) Editorial Boards:

Faculty	Committee	Mode of Membership
Mr. D.R. Pathan	Gokhale Institute of Politics and Economics	Life Membership
Dr. A.H. Shinde	Marathi Arthshastra Parishad	Life Membership

18. Student projects Percentage of students who have done in-house projects including interdepartmental/programme:

Year	TYBA	%	MA	%
2011-12	24	80	27	81.81
2012-13	26	81.25	28	93.33
2013-14	24	81.71	-	-
2014-15	31	93.54	-	-

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

19. Awards/Recognitions received by faculty and students:

By Faculty

Faculty	Awards/Recognitions	Academic Year	Awarding Institution
Mr. D.R. Pathan	PG Teaching	2011-12 to 2016-17	SPPU
Dr. A.H. Shinde	1. Ph.D	2014-15	SPPU
	2. Shikshak Gaurava	2015-16	Grampanchayat Varkute Khurd Tal. Indapur Dis-Pune

By Students:

- Mr. AkshayBhite of T.Y.B.A. won a First prize at Zonal level in All India Essay Writing competition organized by Shree Ramchandra Mission and United National Information Centre, India & Bhutan.
- Mr. Sagar Bal Gavand of S.Y.B.A. stood second and won a cash prize of Rs. 5000/- for taking part in “Block Benchers” a program conducted by the daily – Loksatta.

20. List of eminent academicians and scientists/visitors to the department:

Sr. No	Name of the Visitor	Institution	Programme/Topic	Year/Date
1.	Mr. Ajeet Abhynakar	Pune	Effects of Inflation	2012-13

2.	Mr. Ashok Budhkar	Maratha Chambers of Commerce, Pune	Union Budget	23/02/14
3.	Rajani Namejoshi	State Bank of India	Banking System: Banking at your Doorstep.	22/09/14
4.	Mr. Sarang Awhad	Traffic Police Commission, Pune	Safety is not just a slogan: It is a way of Life	14/01/15
5.	Mr. Neeraj Jain	Lokayut, Pune	Union budget 2015-16	15/09/15
6.	Dr. Sunil Dhapte	Director, YASHADA	State Level Conference	04/02/16
7.	Dr. W.N. Salve	Shri Venkatesh College, Ichalkarnaji	State Level Conference	04/02/16
8.	Dr. Pradeep Apte	Fergusson College	State Level Conference	04/02/16
9.	Dr. Avinash Nikam	Chief Editor, Arthasamvad, Shahada	State Level Conference	04/02/16

21. Seminars/Conferences/Workshops organized & the source of funding

SR NO	ACTIVITY	TITLE	FUNDING SOURCE	YEAR
1.	Seminar	“Antarvidyashakhiya Abhyasachya Disha”	U.G.C.	2012-13
2.	Workshop	Quality Enhancement Workshop –		2012-13
3.	Seminar	State level seminar on Methodology for Students for PG	U.G.C.	2012-13
4.	National Seminar	Empowering Women in Higher Education Institutes.	U.G.C.	2013-14 Sep-2013
5.	State Level Conference	“New Dimensions of the Emerging Indian Economy”	S.P.P.U. - QIP	2015-16

22. Student profile programme/course wise: Interdisciplinary Programmes

Name of the Course/ programme	Academic Year	Applications received	Selected	Enrolled		Pass %
				*M	*F	
Human Rights, Cyber Security and Skill Based Courses	2013-14	42	42	29	13	100
	2014-15	60	60	39	21	100
	2015-16	30	30	17	13	Result Awaited

*M = Male *F = Female

Undergraduate Course: B.A.

Name of the Course /programme	Academic Year	Admissions in FYBA	T.Y.B.A Student Strength	Enrolled		Pass %
				*M	*F	
T.Y.B.A.	2011-12	125	27	15	12	84.05
	2012-13	174	28	19	08	85.71
	2013-14	152	30	18	12	76.67
	2014-15	219	32	25	7	71.87
	2015-16	234	28	25	3	Result Awaited

*M = Male *F = Female

Postgraduate Course: M.A.

Name of the Course/programme	Academic Year	Admissions in MA-I	MA-II Strength	Enrolled		Enrolled
				*M	*F	
M.A.	2011-12	19	27	14	13	89.14
	2012-13	18	11	07	04	75.72
	2013-14	29	13	08	05	79.05
	2014-15	37	18	14	04	88.88
	2015-16	30	30	17	13	Result Awaited

*M = Male *F = Female

23. Diversity of Students:

Year	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2010-11	F.Y.B.A. (Gen.)	97.90	2.10	-
	S.Y.B.A. (Spl.)	100.00	-	-
	T.Y.B.A. (Spl.)	100.00	-	-
2011-12	F.Y.B.A. (Gen.)	97.42	2.06	0.52
	S.Y.B.A. (Spl.)	98.76	1.24	-
	T.Y.B.A. (Spl.)	98.21	1.79	-
2012-13	F.Y.B.A. (Gen.)	95.55	3.64	0.81
	S.Y.B.A. (Spl.)	80.89	18.47	0.64
	T.Y.B.A. (Spl.)	96.46	3.54	-
2013-14	F.Y.B.A. (Gen.)	85.10	14.90	0.65
	S.Y.B.A. (Spl.)	92.16	7.19	0.80
	T.Y.B.A. (Spl.)	79.20	20.00	-
2014-15	F.Y.B.A. (Gen.)	87.46	8.83	3.70
	S.Y.B.A. (Spl.)	86.62	13.38	-
	T.Y.B.A. (Spl.)	91.61	7.69	0.70

2015-16	F.Y.B.A. (Gen.)	89.97	9.50	0.53
	S.Y.B.A. (Spl.)	87.86	10.68	1.46
	T.Y.B.A. (Spl.)	85.71	14.29	-

24. How many students have cleared national and state competitive examinations

Sr.	Student Name	Examination	Year	Awarding Institution
1.	Mr. VinayakKulal	SET	2011-12	MH-SET State Agency
2.	Mr. NileshSunitkari	NET	2011-12	UGC
3.	Ms. Sakunde Asha	NET	2013-14	UGC
4.	Mr. UmareAmrapal	P.O.	2013-14	IBPS
5.	Mr. ThoratMalhari	PSI	2014-15	State Government

25. Student progression:

Student progression	Against % enrolled
UG to PG	20%
PG to M.Phil.	03
PGto Ph.D.	02
Ph.D.to Post-Doctoral	NA
Employed •Campus selection •Other than campus recruitment	- 04
Entrepreneurship/Self-employment	12

Sr. No.	Name of student	Profession	Place of work
1.	Mr. ThoratMalahari	PSI	Gadchiroli
2.	Mr. KulalVinayak	Assistant Professor	Chiplung College
3.	Ms. Asha Sakunde	Assistant Professor	Ambedkar College, Aundh, Pune
4.	Mr. NileshSunitkari	Librarian	Mumbai College
5.	Mr. Ashok Kundle	Section Officer	Publication Department, SPPU, Pune
6.	Mr. Swami Durke	Research Assistant	Kothrud, Pune
7.	Mr. Moshin Shaikh	Chief Reporter	Pdhari, Aundh & Baner
8.	Mr. Dodke Satish	Peon	Modern College, Ganeshkhind, Pune

26. Diversity of Students. (For total Arts Faculty)

YEAR	CLASS	SAME STATE			OUTSIDE STATE			FOREIGN STUDENT			GRAND TOTAL
		F	M	T	F	M	T	F	M	T	
2011-12	FYBA	52	137	189	02	02	04	--	01	01	194
	SYBA	64	95	159	--	02	02	--	--	--	161
	TYBA	51	59	110	01	01	02	--	--	--	112
2012-13	FYBA	79	157	236	04	05	09	01	01	02	247
	SYBA	40	87	127	13	16	29	01	--	01	157
	TYBA	47	62	109	02	02	04	--	--	--	113
2013-14	FYBA	64	153	217	16	22	38	--	--	--	255
	SYBA	47	94	141	02	09	11	--	01	01	153
	TYBA	38	61	99	11	14	25	01	--	01	125
2014-15	FYBA	98	209	307	13	18	31	02	11	13	351
	SYBA	45	91	136	08	13	21	--	--	--	157
	TYBA	47	84	131	04	07	11	--	01	01	143
2015-16	FYBA	125	216	341	11	25	36	--	02	02	379
	SYBA	73	108	181	11	11	22	--	--	--	203
	TYBA	40	74	114	12	07	19	--	--	--	133

Students From Maharashtra State : 90.07 %

Students Out of Maharashtra: 09.15%

International Students : 0.76%

27. Details of Infrastructural facilities

a) **Library:** Central and Departmental Library Available

b) **Internet facilities for Staff & Students:**

Yes, Internet facility provided to Staff & Students

c) **Classrooms with ICT facility:** Yes, ICT facility available in the Department

FACILITY TYPE	SUB TYPE / NATURE	QUANTITY / REMARK
Departmental Library	Academic Books	82+
	Journals	02+
	Extra Reading Books	05+
Central Library	Academic Books	407
	Journals	07+
	Extra Reading Books	30+
Membership to Other Libraries	Jaykar Library- SPPU	Available
	British Council Library	
Online Library	Infonet	Available
	Delnet	
	Doaj	
Computer	Desktop	01
LCD	Available	01
Projector	Available	01
Separate Department	Available	01
Internet facility	Available	Available

28. Number of students receiving financial assistance from college, university, Government or other agencies:

Assistance from college, university, government (Common Information For Arts Faculty)

40% Students Received Scholarships and Freeships.

SC /ST/OBC/DT/NT/OBC/SBC by Department of Social Welfare Government of Maharashtra & Other Scholarships of North East Students from Their Concern States and

International Students from ICSR, Krantijyoti Savitribai Phule and Rajashree Chatrapati Shahu Scholarship, etc.

29. Details on student enrichment programmes (special lectures/workshops/ Seminar) with external experts:

YEAR	TITLE	EXPERTs	DURATION AND DATE	LEVEL
2012-13	Social Sciences – History, Sociology and Economics Departments – “Antarvidyashakhiya Abhyasachya Disha”	Dr. Shruti Tambe. (SPPU)	One Day	District Level (FOR PG)
	Quality Enhancement Workshop		One Day – 16 April, 2013	PG Level
	State level seminar on methodology		4 th week of Dec 2014	PG Level
2013-14	Image Building Program :			For UG Arts Girl Students
	WORKSHOP			FOR UG & PG
	Women & Child Development Cell, Pune Police	Ms. Vaishali Ranade	Throughout Academic Year	
	Alochana /Muskan N.G.O	Ms. Kranti Dabir		
	Ideas & Maharashtra Tribal Research Centre	Dr. Tribhuvan Robin	2014-15	

30. Teaching methods adopted to improve student learning:

SR NO	TEACHING METHOD	TITLE / PLACE	YEAR
1.	FIELD WORK	Socio-economic Survey of Garade Village, GARADE GAON , PUNE.	2012-13
2.	BOOK REVIEW	COLLEGE	2014-15
3.	GROUP DISCUSSION	COLLEGE	2014-15
4.	ASSIGNMENT	COLLEGE	2012-15
5.	EDUCATIONAL	----	2011-12

	VISITS	Remand Home, Shivaji Nagar Pune 05.	2013-14
		Ralegaon Siddhi , HivareBajar Study Tour- Agri-Tourism, Nandan Dairy	2014-15 (7 February 2015)
6.	QUIZ (MCQ)	COLLEGE	2012-15
7.	PPT PRESENTATION	COLLEGE	2014-15
8.	OPEN BOOK TEST	COLLEGE	2015-16
9.	SURPRISE TEST	COLLEGE	2014-16
10.	WORKSHOP	Women & Child Development Cell Pune Police	2014-15
		Alochana /Muskan N.G.O	

31. Participation in Institutional Social Responsibility (ISR) and Extension Activities

Institutional Social Responsibility:

SR NO	ACTIVITY	PLACE	YEAR
1.	Old Age center visit (Both Sociology & Economics Dept.)	Nivara, Deccan, Pune	2013
2.	Traffic control during Ganesh Festival	AppaBalwant Chowk, Pashan, Pune	2014
3	Citizen Awareness on Save Petrol	SPPU traffic signal, PCRA	2013

Staff Extension Activities:

1. **Prof Dastagir Pathan, HOD** is the Students Welfare Officer of the college since 2014-15. Earn & Learn Scheme under the Board of Students Welfare, SPPU, is undertaken in the college wherein around 59 students worked in various departments of the college.

2. **Dr. Abaso Shinde:**

- a) Coordinator of Adult and Continuing Education and Extension activities since 2012-13. Workshops and lectures are organized in association with Department of Adult and Continuing Education and Extension, S.P. Pune University related to social issues like Women Empowerment, Demographic issues, Senior Citizens problems, Employment and Entrepreneurship etc.
- b) Coordinator of Indian Red Cross Society and Youth Red Cross, in the college since 2014-15. Disaster Management training for the students, providing first aid by the students during Vitiligo Marathon are some of the activities undertaken.

32. SWOC analysis of the department and Future plans:

Strengths <ol style="list-style-type: none"> 1. Qualified and Experienced Faculty members 2. Departmental Library 3. Student enrollment more in the department. 4. Separate division and staff for Marathi and English Medium classes for UG courses. 5. Association with other departments while organizing seminars/educational trips. 	Weaknesses <ol style="list-style-type: none"> 1. Space crunch 2. Research Activities 3. Organizing National/International level Conference/Seminars/Workshop specifically for Economics students.
Opportunities <ol style="list-style-type: none"> 1. To start additional certificate courses. 2. To associate with other departments in the college to start interdisciplinary courses 3. To get associated with departments from the University (SPPU) for effective teaching and learning. 4. Research activities by Staff and students should improve. 5. To start separate English medium division for PG course. 6. To provide consultancy. 7. To organize National/ International level Conference/ Seminar/ Workshop 	Challenges <ol style="list-style-type: none"> 1. Students Enrollment 2. Improving Results 3. Handling student diversity

Future Plans:

1. To Write Major Research Project on Different Economic Issues
2. To Organize National Level Conference
3. To Start Economic Museum (All Types of currency, Economical Map / Chart/Survey Report, Models (Banking, Industry, Agriculture and Service)
4. To Work on Annual Research Journal
5. To Start Vidhyarthi Arthashastra Prishad

Evaluative Report of the Department

1. **Name of the Department:** Geography
2. **Year of Establishment:** 1992.
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** UG: 1992-93.

Sr. No.	Level	Programmes offered
1	UG	F.Y.B.A. (General level)
		S. Y. B.A. (Special level)
		T.Y.B.A. (Special level)

4. **Annual/ semester/choice based credit system (programme wise)-**

No Credit System, UG Annual pattern of 20:80

Level	Program	Pattern of Examination
UG	FYBA	Annual (20:80 Pattern) College Level
	SYBA	Annual (20:80 Pattern)
	TYBA	Annual (20:80 Pattern)

5. **Participation of the department in the courses offered by other departments-**

Teaching and Project Assessment for Environmental Awareness course (EVS).

EVS is the compulsory course at SYBA level.

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

1. Abhinav Farmer's Club- Kisan Vidyarthi Manch.

7. **Number of Teaching posts-**

Post	Sanctioned	Filled
Professors	---	---
Associate Professors	01	01
Asst. Professors	02	02

8. Faculty profile with name, qualification, designation, specialization,

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided
Dr. Sanjay Patil	MSc, SET, ADCSSAA, Ph.D., MS-Office, Web Page Designing, Pursuing	Head & Associate Professor	Geography (Climatology)	21	Nil
Mr. Motilal More	M.Sc	Asst Professor	Geography (Climatology)	20	Nil
Mrs. Jyoti Acharya	M.A., B.Ed, SET	Asst Professor	Geography (Economic Geog)	10	Nil

9. List of Senior Visiting faculty-

There is no regular senior visiting faculty, but other Senior Resource persons deliver lectures on special topics such as Climate Change, Disaster Management, Travel and Tourism, GIS and Remote Sensing, Sustainable Agriculture etc

- | | |
|---------------------------|-----------------------|
| 1. Mr. Anil Dandekar | MIT College, Pune |
| 2. Dr. Satish Patil | GreenVision Ltd, Pune |
| 3. Mr. Neeraj Jain | Lokayat, Pune |
| 4. Mr. Abhishek Chandekar | MITCON, Pune |
| 5. Mr. Mukund Apte | PCRA, Pune |
| 6. Dr. Manoj Devane | S.P.College, Pune |
| 7. Mr. Ganesh Madhe | Shahu College, Pune |

10. Percentage of lectures delivered and practical classes handled by temporary faculty- 32% lectures and practicals.**11. Student -Teacher Ratio (programme wise)-**

BA = 60 : 1 FYBA- 120:1, SYBA- 24:1, TYBA-20:1

12. Number of academic support staff (technical) and administrative staff; sanctioned and filled-

Lab Asst. = Nil

Peon = 01

Administrative Staff= Sanctioned : 02; Filled : 02.

13. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ M.Phil. / PG.:

Ph.D. – 01; P.G. Recognition- 01.

Sr.	Name of the Staff	Qualification
1	Dr. Sanjay Patil	M.Sc. (Geography), SET, ADCSSAA, Ph.D., MS-Office, Pursuing LLB, Web Page Designing.
2	Mr. Motilal More	M.Sc. (Geography)
3	Mrs. Jyoti Acharya	M.A. (Geography), B.Ed, SET

14. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Sr.	Year	Faculty	Title of Research Projects	Funding Agency	Amount Sanctioned
1	2009- 11 (Submitted)	Dr. Sanjay Patil	Crop Landuse Changes & Identification of Determinants : A Case Study of Pune District	UGC	90,000
2	2015-16 (Proposed)	Dr. Sanjay Patil	Solid Waste Management in Pune City	BCUD, SPPU	3,00,000

15. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sr.	Period	Faculty	Funding Agency	Amount received
1	2009-11	Dr. Sanjay Patil	UGC (Minor Research Project)	52,500

16. Research Centre /facility recognized by the University: Nil**17. Publications:**☐ a) Publication per faculty-

Sr.	Name	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
1	Dr. Sanjay Patil	0	0	1 Paper + 2 Books	2 Papers + 1 Book	1 Paper + 2 Books	0

Number of papers published in peer reviewed journals by faculty and students.

Year	Name	Research Paper	Journal/ Proceeding
2012-13	Dr. Sanjay Patil	Solid Waste Management of Pune City	Proceedings of National Seminar at Shri Shahu Mandir, Pune
2013-14	Dr. Sanjay Patil	Occupational Stgructure of Ahmednagar District	Bhugolshastra Sanshodhak, DGSI, Pune
		Status of Girl's Education as per Educational Planning in Five Years Plan	Proceedings of National Symposium at Modern College, Ganeshkhind, Pune
2014-15	Dr Sanjay Patil	Planning of Irrigation for Sustainable Agriculture in Pune District	Proceedings of International Conference at ASM Group of Institutes, Pune

***Chapter in Books-**

Year	Faculty	Book Name	Chapter Name	ISBN No.	Publisher
2012-13	Dr. Sanjay Patil	SSC Geography Book	3 Chapters : Northern Plains	---	MSSHS Board, Pune
		HSC Geography Book	1 Chapter-Trade	---	MSSHS Board, Pune
2013-14	Dr. Sanjay Patil	Environment, Agriculture & Population Growth	1 Research Article- Temporal Study of Cropping Pattern in Pune District	978-93-82847-11-3	R.K. Books, New Delhi
2014-15	Dr.Sanjay Pail	Tourism Geography (Marathi)	1 Chapter-Transportation	978-93-83639-16-8	Atharva Publication, Pune

Books with ISBN/ISSN numbers with details of publishers-

Faculty	Book Name	ISBN No.	Publisher
Dr. Sanjay Patil	Economic Geography	978-93-83639-17-5.	Atharva Prakashan, Pune, Pages 392.
	Tourism Geography	978-93-83639-16-8	Atharva Prakashan, Pune, Pages- 151.

18. Areas of consultancy and income generated-

Nil

**19. Faculty as members in a) National Committees, b) International Committees
c) Editorial Boards**

Level	Faculty	Committees	Membership
a) National Committees	Dr. Sanjay Patil	1) Deccan Geographical Society of India (DGSI)	Life Member & Executive Body Member
		2) Indian Institute of Geographers (IIG)	Life Member
		3) National Association of Geographers in India (NAGI)	Life Member
		4) Maharashtra Bhugolshashtra Parishad	Life Member
	Mr. Motilal More	1) Deccan Geographical Society of India (DGSI)	Life Member
	Jyoti Acharaya	1) Maharashtra Bhugolshashtra Parishad	Life Member
		2) Indian Institute of Geographers (IIG)	Life Member
		3) Deccan Geographical Society of India (DGSI)	Life Member
b) International Committees	Dr. Sanjay Patil	American Association of Geographers (AAG)	Member
c) Editorial Board	Dr. Sanjay Patil	1) SSC Geography Maharashtra State Board (2012-14) 2) HSC Geography Maharashtra State Board (2012-18)	Author and Convener

20. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme.- Nil
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies-Nil.

21. Awards / Recognitions received by faculty and students –

Year	Faculty	Award	Institution
2011-16	Dr. Sanjay Patil	Ph.D.	Tilak Maharashtra Vidyapeeth, Pune
		Chairman	At Various Conferences at National and International level and abroad also (USA)
2012-13	Shraddha Sawant (Student)	Best Student Award	Modern College, Ganeshkhind, Pune
2015-16	Dattatray Shinde (stud)	Best NSS Student	Modern College, Ganeshkhind, Pune

22. List of eminent academicians and scientists / visitors to the department.

Sr.	Name	Institute	Topic	Date
1	Dr. Virender Manhas	Head, Jammu University	Walking with Nature	11-8-11.
2	Dr. A.B. Mazumdar	Indian Meteorological Dept	Monsoon Forecasting	12-8-11
3	Neeraj Jain	Lokayat	G M Food	25-8-11.
4	Dr. Manoj Devne	SP College, Pune	Geography Theories	26-7-12.
5	Abhijit Vaidya	Lokayat	Pune Traffic	3-8-12
6	Shweta Vernekar	Parisar	Environment	13-2-14
7	Manoj Oval	---	Jago Grahak Jago	25-8-14.
8	Dr. Satish Patil	Green Vision	Ladak Biking	17-9-14
9	Anil Dandekar	MIT, Pune	Disaster Management	18-9-14
10	Prof. Nishchay	Kirloskar Film	E waste	22-1-15.
11	Prof. Ganesh Madhe	Shahu College	GPS	5-2-15.
12	Mukund Apte	PCRA	Energy Conservation	8-9-15
13	Abhishek Chandekar	MITCON	GIS & RS	15-9-15.
14	D. N. More	Sinchan Bhavan	Farmers Problem	Sept 2015

23. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International

Year	Level	Topic	Funding
2010-11 (25,26 Feb 2011)	State Level Seminar	Sustainable Development & Agriculture	BCUD
2011-12 (11,12,13 Aug 2011)	National Workshp	Monsoon Forecasting	Self

24. Student profile programme/course wise: (2015-16)

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FYBA	400	266	146	120	65.56
SYBA	167	71 + 35	31	20	76.43
TYBA	118	51 + 28	32	19	84.87

*M = Male *F = Female

25. Diversity of Students

YEAR	CLASS	SAME STATE			OUTSIDE STATE			FOREIGN STUDENT			GRAND TOTAL
		F	M	T	F	M	T	F	M	T	
2011-12	FYBA	52	137	189	02	02	04	--	01	01	194
	SYBA	64	95	159	--	02	02	--	--	--	161
	TYBA	51	59	110	01	01	02	--	--	--	112
2012-13	FYBA	79	157	236	04	05	09	01	01	02	247
	SYBA	40	87	127	13	16	29	01	--	01	157
	TYBA	47	62	109	02	02	04	--	--	--	113
2013-14	FYBA	64	153	217	16	22	38	--	--	--	255
	SYBA	47	94	141	02	09	11	--	01	01	153
	TYBA	38	61	99	11	14	25	01	--	01	125
2014-15	FYBA	98	209	307	13	18	31	02	11	13	351
	SYBA	45	91	136	08	13	21	--	--	--	157
	TYBA	47	84	131	04	07	11	--	01	01	143
2015-16	FYBA	125	216	341	11	25	36	--	02	02	379
	SYBA	73	108	181	11	11	22	--	--	--	203
	TYBA	40	74	114	12	07	19	--	--	--	133

26. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.?

1. Netaji Sasane	MPSC	Mantralaya, Mumbai
2. Sapna Pawale	Advocate	Pune
3. Nitin Auti	Teacher	Moshi.
4. Balbhim Awate	Agri Officer	Nagpur
5. Suraj Kankatav	Lecturer	Fergusson College, Pune.
6. Rajesh Naidu	Army Officer	Dehradun
7. Jeevan Solanke	Physical Director	Pune
8. Komal Thorat	Advocate	Nasik

27. Student progression

Student progression	Against % enrolled
UG to PG	20%
PG to M.Phil.	2%
PG to Ph.D.	2%
Ph.D. to Post-Doctoral	---
Employed • Campus selection • Other than campus recruitment	35%
Entrepreneurship/Self-employment	22%

28. Details of Infrastructural facilities

- Library - List of Library books and journals attached. More than 1000s of books are available for the students through the personal library of the faculties.
- Internet facilities for Staff & Students- Internet facility is available for the staff and Students.
- Class rooms with ICT facility – One LCD Projector is available for the departmental classroom.
- Laboratories- One Laboratory is available for the practical.

FACILITY TYPE	SUB TYPE / NATURE	QUANTITY / REMARK
Departmental Library	Academic Books	350
	Journals	5
	Personal Books of Staff	850
Central Library	Academic Books	485
	Journals	2
	Extra Reading Books	150
Membership to Other Libraries	Jaykar Library- SPPU	Available
	British Council Library	
Online Library	Infonet	Available
	Delnet	
	Doaj	
Computer	Desktop	01
LCD	Available	01
Projector	Available	01
Separate Department	Available	01
Internet facility	Available	Available (10 mbps)

29. Number of students receiving financial assistance from college, university, government or other agencies-

Assistance from college, university and government (Common information for Arts faculty).

40% students received scholarships.

SC/ ST/ OBC/DTNT/ SBC students got scholarships by the department of Social Welfare, Government of Maharashtra and other scholarships of North East students from their concerned states and international students from ICSR.

30. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

Sr.	Name	Institute	Topic	Date
1	Dr. Virender Manhas	Head, Jammu University	Walking with Nature	11-8-11.
2	Dr. A.B. Mazumdar	Indian Meteorological Dept	Monsoon Forecasting	12-8-11
3	Neeraj Jain	Lokayat	G M Food	25-8-11.
4	Dr. Manoj Devne	SP College, Pune	Geography Theories	26-7-12.

5	Abhijit Vaidya	Lokayat	Pune Traffic	3-8-12
6	Shweta Vernekar	Parisar	Environment	13-2-14
7	Manoj Oval	---	Jago Grahak Jago	25-8-14.
8	Dr. Satish Patil	Green Vision	Ladak Biking	17-9-14
9	Anil Dandekar	MIT, Pune	Disaster Management	18-9-14
10	Prof. Nishchay	Kirloskar Film	E waste	22-1-15.
11	Prof. Ganesh Madhe	Shahu College	GPS	5-2-15.
12	Mukund Apte	PCRA	Energy Conservation	8-9-15
13	Abhishek Chandekar	MITCON	GIS & RS	15-9-15.
14	D. N. More	Sinchan Bhavan	Farmers Problem	Sept 2015

- Students participate special lectures, workshops, seminars organized by our college and other colleges also.
Every year students participated in GEOFEST workshop at SP College, Pune.

STUDY TOURS

Year	Date	Places	Students
2010-11	Mar 2011.	Shivneri, Lenyadri, Ozar	45
2011-12	3-3-12.	Nighoj, Ralegaon, Ranjangaon	45
2012-13	23-2-13.	Shrivardhan, Harihareshwar, Diveagar	23
2013-14	9-3-14.	Janjira, Kashid Beach	100
2014-15	19,23 Feb 15	Malvan, Sindhudurg, Ganpatipule, Dervan	44
2015-16	29 Feb 2016	Ralegan Siddhi, Hivare Bazar, Nighoj	46

TREKKING CLUB

2010-11	29-8-10.	Katraj to Sinhgad	100
2011-12	18,19 Dec 11.	Lonavala to Rajmachi	80
2012-13	22,23 Dec 12.	Rajgad	84
2013-14	4,5 Jan 14.	Harishchandragad	53
2014-15	10,12 Jan 15.	Lonavala to Rajmachi	170
2015-16	23,24 Jan 2016.	Rajgad	110

31. Teaching methods adopted to improve student learning-

- Various types of methods are adopted to improve student learning.
It includes:
 - Presentation of the topic.
 - Question Answer session.
 - Topic wise test.
 - Home assignments
 - Powerpoint presentations

- Video presentations.
- Special lectures on special topics.
- Chart Preparation
- Newspaper cuttings on syllabus topics.
- Field Work
- Study Tours at all over India.
- Village Survey.
- Surveying techniques using GIS and GPS and Other equipments.
- Project Report on various current issues.
- Group Discussion.
- Book Review.
- Open Book Test.
- GK and Geography Quiz.

32. Participation in Institutional Social Responsibility (ISR) and Extension activities-

- Students use to take part in Institutional Social Responsibility (ISR) and Extension Activities such as NSS, NCC. Students have form Vidyarthi Kisan Manch to the platform for the students having rural agricultural background. Agricultural Institutional visits are organized at Baramati Krishi Vidnyan Kendra. Students are also participated in Lokayat, Police Mitra, Mrityunjay and Other Social activities.
- 1) Dr. Sanjay Patil is a Resource Person for Bahishal Mandal of Pune University from 2011 and delivered many guest lectures to various colleges.
 - 2) Dr. Sanjay Patil is a member of many college committees such as Prospectus, Admission, Anti Ragging, Placement Cell, Result Committee etc.
 - 3) Dr. Sanjay Patil worked as a Geography Practical Coordinator of SYBA/ SYBSc for Pune University in 2011-12.
 4. Dr. Sanjay Patil Worked as Geography CAP Coordinator for SYBA in 2014-15 for Pune University.
 5. Dr. Sanjay Patil worked as a Squad Chairman for Pune University Examination in Dec/ Jan 2015.
 6. Dr. Sanjay Patil worked in syllabus restructure of Pune University.
 7. Dr. Sanjay Patil is associated with Lokayat, Khagol Vishwa and Bhartiya Kisan Sangh institutions.
 8. Prof. Motilal More is working as a Program Officer of NSS at college form 2012-13.
 9. Prof. Motilal More has worked many extension activities such as segregation of garbage, CCT trenches on Baner hill, Tree plantation on Baner Hill, and village camps from 4 years.
 10. Blood Donation camps for students twice in a year.
 11. Dr. Sanjay Patil had gone on bullet Royal Enfield from Pune-Laddakh-Pune from 26 May to 26 June 2013, for 32 days, covered 7000 km and 13 states.

33. SWOC analysis of the department and Future plans

Strength-	<p>Well Qualified staff</p> <p>Separate Department with adequate infrastructural facility.</p> <p>Well equipped laboratory.</p> <p>Value based education and program.</p> <p>Use of ICT in teaching.</p> <p>Students enhancement program.</p> <p>Departmental personal library.</p> <p>Consistent excellence in academic result.</p>
Weaknesses-	<p>Attendance is less.</p> <p>To improve academic results among students.</p> <p>Weak research activities among students.</p>
Opportunities-	<p>By introducing new courses and new facilities, students can learn new things.</p> <p>Research in various fields.</p> <p>Consultancy on ground water, resources conservation, tourism,</p> <p>GIS and RS, Field Survey and Town Planning.</p>
Challenges	<p>To strengthen students to face the global challenges.</p> <p>To generate funds from the consultancy programs.</p> <p>To increase students attendance in the class.</p>

FUTURE PLAN

- 1) PG in Geography
- 2) Special course on GIS and Remote Sensing.
- 3) Certificate and Diploma course in Travel and Tourism.
- 4) U.G.C. Major Research Project.
- 5) National Level Conference in Geography & Environment

Evaluative Report of the Departments

1. **Name of the department:** History
2. **Year of Establishment:** UG (B.A): 1992
PG (M.A): 2012
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
- UG (BA) & PG (MA)
4. **Names of Interdisciplinary courses and the departments/units involved:**
 1. Human Rights and Cyber security with Commerce, Computer Science department and Modern Law College.
 2. Lectures organized for Commerce students on, “Management of Chh.Shivaji”
 3. Study tour to RBI museum, Mumbai with students of History & Commerce Department
 4. On the occasion of completion of 100 years to the release of Lokmanya Tilak from the Mandalay Jail on 1st August 2014 and ‘*Kranti Din*’ on 9th August 2014, a lecture series was organized jointly by the Department of History, Political Science and Marathi
5. **Annual/ semester/choice based credit system (programme wise):**

Programme	Type of Exam
UG (FYBA, SYBA, TYBA)	Annual Pattern of 20:80
PG (MA I, MAII)	Choice based credit system
6. **Participation of the department in the courses offered by other departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Modi script course in collaboration with Deccan College, Pune
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	05	05

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided
Prof. Shruti Bhatkhande	M.A, M.Phil	HOD & Asst Professor	History	28 Years	Nil
Prof. Shweta Sawale	M.A, M.Phil, SET, PhD (Registered)	Asst Professor	History	6 Years	Nil
Prof. Dr. Priya Kulkarni-Gohad	M.A, PhD, NET, JRF (ICHR, DST) DHRM, Dip. In Heritage Management	Asst Professor	Ancient Indian History, Culture & Archaeology	6 Years	Nil
Prof. Junaid Shaikh	M.A, SET, PhD (Registered)	Asst Professor	History	1 Year	Nil
Prof. Dr. Meenakshi Tiwari	M.A, PhD	Asst Professor	History	1 Year	Nil
Prof. Devkumar Ahire	M.A, NET, PhD (Registered)	Asst Professor	History	1 Year	Nil

11. List of senior visiting faculty:

Sr. No	Name of visitor
1	Prof. Dr. Raja Dixit
2	Dr. Pramod Joglekar
3	Mr. Girish Mandke
4	Mr. Sachin Joshi
5	Vishwas Lapalkar
6	Mohan Shete
7	Mr. Pradip Agashe
8	Mrs. Mukta Tilak
9	Sandip Barve
10	Mr. Nandakumar Ekbote

12. Percentage of lectures delivered and practical classes handled by temporary faculty: 10%

13. Student -Teacher Ratio (programme wise):

Programme	Student-Teacher Ratio
FYBA	120:1
SYBA (General & Special)	40:1
TYBA (General & Special)	40:1
MA I	40:1
MA II	40:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:

Qualification	Number of teaching Faculty
PhD	02
MPhil	02
PG	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

- Minor Research project submitted to UGC entitled ‘A review of the coverage published in Stree magazine of social reform movement of women 1930-1947’ in academic year 2012-2014, Sanctioned amount Rs.30,000/-

18. Publications:

- ☐ a) Publication per faculty

* Number of papers published in peer reviewed

Name of the faculty	International	National	State
Mrs. Shruti Bhatkhande	02	07	-
Mrs. Shweta Sawale	-	01	01
Dr. Meenakshi Tiwari	01	01	-

Mrs. Shruti Bhatkhande (International Papers)
1. Published a paper on the topic ‘Dr. Babasaheb Ambedkar’s viewpoints regarding history’ at International Seminar at Garware College, Pune
2. Published paper on the topic, “Contribution of Shri Balkrishna Vitthal in the Praja Parishad of Princely States”, at the International Conference at Abasaheb Garware College, Pune on 22, 23 & 24 January 2015. (ISSN:2394-207X)
Mrs. Shruti Bhatkhande (National)
3. Presented a paper on the topic, Contribution of Stree magazine in empowering women -1930-1947, in the two day National Seminar on ‘Empowering Women in Higher Education’, organized by Modern College of Arts, Science & Commerce, Ganeshkhind, Pune -16 (Faculty of Arts) on 26 th and 27 th September 2013.(ISBN 978-81-928564-1-4)
4. Presented a paper in two day National Seminar on the topic, “Contribution of nibandhamala by Vishnushastri Chiplunkar” on the theme “Makers of Modern India” on 18 th and 19 th October 2013, organised by Abasaheb Garware College, Pune (ISBN-

978-81-925003-5-5)
5. Published paper on the topic, “Health Education in Higher Education”, at the National Conference at Shri Bhausaheb Vartak College, Mumbai on 21 & 22 January 2015. (ISBN:978-93-5202-400-1)
6. Published paper on, “ <i>Bharatiya swatantrya ladhyatil mahila krantikarakanche yogdan</i> ” in IRJCM, Itihas Sanshodhan Patrika organized by Naigaon Education Society’s Daund taluka Arts & Commerce College, Pune on 25 th & 26 th February 2014 (ISSN-2277-5838 Vol. No. 2)
7. Published paper on “ <i>Aitihāsik vastu Vishrambaugwada</i> ”, at the National Conference on Historiography & methodology of Local History at C.T.Bora College, Shirur, Pune on 29 & 30 th September 2014. (ISBN:978-1-63415-225-9)
8. Book review of <i>Itihasatil nave pravaha</i> ed. Jaswandi Wamburkar, Published in Sanshodhak (ISSN-2394-5990)
9. Published 23 articles in Marathi newspaper Lokmat on ‘ <i>Olakh Itihaskaranchi</i> ’
10. Published a paper in National Seminar organized by D.R.Mane Mahavidyalaya, Kagal, dist. Kolhapur (Maharashtra) (UGC Sponsored) on <i>Namdar Gopal Krishna Gokhale: Vyakti ani sansthapak</i> on 11 th and 12 th December 2015 (ISBN 978-93-5258-819-0)
Mrs. Shweta Sawale (National)
1. Published paper on the topic, “ <i>Sthanik itihāsachya sandarbhat Chitrashala Chhapkhanyache yogdan</i> ”, at the National Conference on Historiography & Methodology of Local History at C.T.Bora College, Shirur, Pune on 29 & 30 th September 2014 (ISBN:978-1-63415-225-9)
2. Published a paper in one day State level Inter disciplinary Seminar organized by B.P.H.E. Society Ahmednagar College, Ahmednagar on <i>Comrade Shripad Amrut Dange yanche vaicharik yogdan</i> on 2 nd February 2016 (ISBN:978-93-83870-39-4)
Dr. Meenakshi Tiwari
1. A question of colonial ideology through literature in International Seminar at Garware College, Pune in Feb 2015
2. Progressive literature and its impact on Hindi literature at national Seminar, Pune University in Feb 2015

19.

Areas of consultancy and income generated:

Department level:

Consultancy	Income generated
Reading & translation of Modi documents	Rs. 1800/-

Individual level:

Name of staff member	Consultancy	Income generated
Dr. Priya Kulkarni-Gohad	Consulting Archaeologist at Kirloskar Consultants Pune, on the project ‘Listing and grading of heritage buildings and precincts in Alibag, Pen, Karjat and Khopoli’,	Rs.30,000/-

	sponsored by MMRDA	
	Researcher at Janwani- an initiative of Mahratta Chamber of Commerce, Industries and Agriculture (MCCIA), Pune, on the project 'Pune Heritage Walk'	Rs.25,000/-

20. Faculty as members in a) National committees b) International Committees c) Editorial

Boards:

Name of faculty	Membership
Prof. Shruti Bhatkhande	1.All Maharashtra History Congress 2.Bharat Itihas Sanshodhan Mandal 3.Pune Vidyapeeth Itihas Shikshak Parishad
Prof. Shweta Sawale	All Maharashtra History Congress
Prof. Dr. Priya Kulkarni-Gohad	1.Life member of Society of South Asian Archaeology (SOSSA) 2.Indian Council for Water and Culture, Pune
Prof. Devkumar Ahire	All India History Congress

21. Student projects Percentage of students who have done in-house projects including inter departmental/programme

Academic year	Title of Project	Total no. of Students participated	Percentage of completion of project
2012-13	Historical survey of Garade village	50	100%
2012-13	Survey of temples in Pune	100	25%
2014-15	Historical survey of Jambhe village	50	100%

PG Students:

Academic year	Total no. of Students participated	Percentage of completion of project
2013-14	38	86.84%
2014-15	62	80.64%
2015-16	65	76.92%

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UG Students (TYBA Sp-3):

Academic year	Total no. of Students participated	Percentage of completion of project
2015-16	28	82.14%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **Nil**

22. Awards / Recognitions received by faculty and students:

Faculty:

Year	Name of the Teacher	Award/Recognition
26 th & 27 th February 2013	Prof. Shruti Bhatkhande	Session Chairman at two day state level seminar at Daund College
26 th & 27 th March 2014	Dr. Priya Kulkarni-Gohad	Selected as panel on 'Expressive Art' at the National workshop on 'Inclusion of Culture in Higher Education', organized by SNDT College, Mumbai

Students:

Year	Name of the Student	Award/Recognition
2008 to 2012	Sadhana Gaikwad	won 2 silver medals, 4 gold medals in sport shito-ryu-karate-Do
2009-2012	Ashok Chauhan	won 8 gold, 2 silver and 2 bronze medals in sport shito-ryu-karate-Do Academy of India
2012-13	Keshav Hasgule	2 nd prize in inter debate competition held in BJS College Wagholi
2012-13	Amar Chandere	consolation prize in inter collegiate competition at MMCC, Pune

23. List of eminent academicians and scientists / visitors to the department:

Name of visitor	Designation	Year of visit
Prof. Dr. Raja Dixit	HOD, IDS DEPT. SPPU, PUNE	2011-2012
Dr. Pramod Joglekar	Prof. at Deccan College, Pune	2011-2012
Mr. Girish Mandke	Curator, Maratha History Museum, Deccan College, Pune	2011-2012
Mr. Sachin Joshi	Research Assistant , Deccan	2011-2012

	College, Pune	
Vishwas Lapalkar	Member, Vivekananda Kendra, Pune	2013-2014
Mohan Shete	Teacher, New English school, Pune	2013-2014
Mr. Pradip Agashe	Social Worker & Speaker	2014-2015
Mrs. Mukta Tilak	Nagarsevika (Corporator) of Pune Municipal Corporation	2014-2015
Sandip Barve	Secretary of Shanti Dal, Maharashtra Gandhi Smarak Nidhi Sanstha	2014-2015
Mr. Nandakumar Ekbote	Member of PE Society & Researcher in Indology	2014-2015

24. Seminars/ Conferences/Workshops organized & the source of funding

a) National:

1. Empowerment of women in Higher education & Institutions, organised by Faculty of Arts, Modern College Ganeshkhind, Pune on 26th & 27th September 2013
2. One day seminar on Ancient Indian History, Culture and Archaeology in 2011-12. Eminent speakers like Dr. Pramod Joglekar, Girish Mandke and Sachin Joshi were invited.
1. One day seminar for PG students on the theme ‘*Antar vidyashakhiya abhyasachi disha*’ in association with IDS Dept, SPPU was arranged in 2012-2013. Dr. Raja Dixit delivered the key note.

b) International: Nil

25. Student profile programme/course wise:

Undergraduate Course: B.A.

Name of the Course/ programme	Academic Year	Admission s in FYBA	TYBA Students' Strength	Enrolled		Pass percentage
				*M	*F	
B.A.	2011-12	118	16	13	03	93.19%
	2012-13	165	18	15	03	93.75%
	2013-14	160	24	21	03	87.09%
	2014-15	239	32	25	07	92.30%
	2015-16	242	28	19	09	Result awaiting

*M = Male *F = Female

Postgraduate Course: M.A.

Name of the Course/programme	Academic Year	Admissions in MA-I	MA-II Students' Strength	Enrolled *M *F		Pass percentage
M.A.	2012-13	12	Nil	-	-	-
	2013-14	26	11	11	Nil	100
	2014-15	42	18	11	07	94.44
	2015-16	36	29	24	05	Result

						awaiting
--	--	--	--	--	--	----------

*M = Male *F = Female

26. Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States	% of students from abroad
BA History Special	2011-12	100%	Nil	Nil
	2012-13	100%	Nil	Nil
	2013-14	100%	Nil	Nil
	2014-15	97.05%	2.94%	Nil
	2015-16	97.22%	2.77%	Nil

Name of the Course	Year	% of students from the same state	% of students from other States	% of students from abroad
MA History	2012-13	100%	Nil	Nil
	2013-14	92.30%	7.69%	Nil
	2014-15	95.45%	4.54%	Nil
	2015-16	88.88%	11.11%	Nil

Students From Maharashtra State : 90.07 %

Students Out of Maharashtra: 09.15%

International Students : 0.76%

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Category	Number of students	Name of the student	Year of passing
----------	--------------------	---------------------	-----------------

NET & Defence Service (Navy)	01	Somnath Satpute	2012
SET	01	Shweta Sawale	2011
Defence Service (Army) Recruitment through M.A History	01	Jeevan Kamble	2015

28. Student progression:

Student progression	Against % enrolled	
UG to PG	Year	Percentage
	2012-13	33.33%
	2013-14	21.05%
	2014-15	28%
	2015-16	31.25%
PG to M.Phil.	1%	
PG to Ph.D.	1%	
Ph.D. to Post-Doctoral	NIL	
Employed		
• Campus selection	2%	
• Other than campus recruitment	75%	
Entrepreneurship/Self-employment	2%	

Name of the Student	Employment
Vivek Kamble (Blind student)	Bank Officer
Jeevan Kamble (Direct recruitment through M.A History)	Army officer
Shweta Dhumal	Teacher
Amol Kajale	Police Department
Shankar Mate	Police Department
Bhagyashree Mohite	Police Department
Sagar Namdas	Police Department
Somnath Satpute	Indian Navy
Vaishali Tarapade	Gram sevak
Yuvraj Patil	Business
Gorakshanath	Postal Officer

Apeksha Bhosale	Physical trainer
Pradeep Chandere	Owner of Computer Institute
Pratik Varhadi	Lathi kathi trainer(Warfare technique of Marathas)
Purushottam Patil	Lecturer

29. Details of Infrastructural facilities

a) Library

Central library:

Books: 312+

Journals: 01

Department library- The department has its separate library with good collection of books related to ancient, medieval, modern history, competitive exams, national and international journals and other books related to personality development and career guidance. Students are given complete access to these books with the sole aim of inculcating reading habits among our students.

Books: 160

Journals/Periodicals: **06** (International & National)

b) Internet facilities for Staff & Students: One computer with Aircel broadband of 10 mbps

c) Class rooms with ICT facility: 4 class rooms

d) Laboratories: NA

30. Number of students receiving financial assistance from college, university, government or other agencies:

(Common Information for Arts faculty)

More than 40% Students Received Scholarships of SC/ST/OBC/DT/NT/SBC from Department of Social Welfare, Government of Maharashtra, and other Scholarships of North East students from their concerned States and International Students from ICSR, Krantijyoti Savitribai Phule Scholarship, etc

31. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts

Academic year	Program	Theme	Speaker
2011-12	Seminar	Ancient Indian culture, History and Archaeology'	Dr. Pramod Joglekar Girish Mandke Sachin Joshi
2012-13	Guest lecture	Swami Vivekanandanchya Swapnatil Yuvak'	Shree Mohan Shete

2013-14		<i>Swami Vivekananda: ek chintanshil vyaktimatva</i>	Shri. Vishwas Lapalkar
2013-14		completion of 100 years to the release of Lokmanya Tilak from the Mandalay Jail and his death anniversary	Hon. Mukta Tilak, Nagarsevika (Corporator
2014-15		<i>'Kranti Din'</i> .	Hon. Pradip Agashe
2014-15		<i>Adhunik Kalatil Gandhi'</i>	Hon. Sandip Barve was the main speaker. He is the Secretary of Shanti Dal, Maharashtra Gandhi Smarak Nidhi Sanstha

Study Tour:

Academic year	Places visited
2011-12:	<ul style="list-style-type: none"> • Agakhan Palace, Yerwada • Maharashtra Tribal Center • Shinde Chhatra • Deccan College
2012-13	<ul style="list-style-type: none"> • Deccan College- Archaeology & Maratha Museum • Pataleshwar leni
2013-14	<ul style="list-style-type: none"> • Bharat Itihas Sanshodhak Mandal • Mahatma Phule wada • Deccan College • Theur Ganesh Temple
2014-15	<ul style="list-style-type: none"> • Dr Babasaheb Ambedkar Museum • Bhandarkar Institute • Sinhagad • Parvati • Mumbai

- Kaun Banega History Scholar!!'- Inter College History Quiz Competition This is a unique competition held by the History department every year since 2011. From 2013 onwards the competition became inter collegiate sponsored by the Student Welfare Department (Savitribai Phule Pune University). We conduct 50 marks written multiple choice questions, and rankers are selected as per their performance. The students are felicitated with special trophies. Every year the department gets a huge response from participants including students from all streams, teaching as well as non teaching staff of the College.

D&FC[Historical Documentary Film Club] This is another innovative activity of the department with the aim of awareness of History through audio visual means. The documentaries on Indian as well as world history are displayed on third Saturday of every month throughout the academic year. The Club is open to all teaching and non teaching staff as well as students of all faculties.

- Vrutta vedh- Today in History

Every day the historic event is displayed on the notice board.

- Celebration of anniversaries of important historical personalities

32. Teaching methods adopted to improve student learning:

1. Traditional teaching method (Chalk & Board method)
2. LCD Presentations
3. Historical Documentaries (Audio-visual methods)
4. Interactive sessions with students, Group discussion, debates
5. Surprise Tests, Exam Preparation guidance, Open Book Test
6. Question Bank is prepared & record of previous question papers is maintained
7. Articles displayed on display board related to various aspects of History

33. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Department level:

1. Special Modi Script Course

MODI was one of the most important scripts of medieval Maharashtra. Earlier, in Maharashtra, documents regarding Land Revenue, Judiciary, Justice, Donation of Land (Dan-Patra), Religious matters, Property matters (e.g. matters between brothers), Jahagir watan, Military orders (Farman) etc. were written in MODI. Research of these medieval documents is not possible without having proper knowledge of MODI script. Department of History has been conducting classes on MODI script writing since 2009. Prof. Girish Mandke from Deccan College who is an expert in MODI script was appointed as a teacher. Prof. Shruti Bhatkhande, Head of History Department is the coordinator of this activity. Every year there is a very good response to this course. The participants include students (school & college students) along with engineers, chartered accountants; architects, lawyers etc. The course is designed with the aim of promoting research of historical documents which in turn will put more light on the unknown history. The course was started as an Institutional Social Responsibility promoting the preservation of ancient script.

2. Swachhata Abhiyan at heritage monuments : Our students had carried out cleanliness drive at the fort of Sinhagad and at Parvati. This not only created an awareness about preserving our heritage among our students, but also was an initiative to create awareness of cleanliness and respect towards heritage structure among the society.

Individual level:

1. Prof. Shruti Bhatkhande : Adopted a student from Vidyarthi Sahayak samiti and bore all his educational Expences. (Rs. 3000/-)
2. Providing economic help or books to needy students (Rs. 1000/-)
3. Donation to orphan students

34. SWOC analysis of the department and Future plans

Strengths: <ol style="list-style-type: none"> 1. Well qualified and dedicated staff 2. Bilingual teaching staff 3. Consistent excellence in Academic Results 4. Good response to PG Course, especially from rural and remote areas 5. Separate department library 6. Guidance for competitive examinations by departmental staff as well as special journals subscribed for this purpose (For e.g. Chanakya Mandal, Swatantra Nagarik etc.) 	Opportunities: <ol style="list-style-type: none"> 1. Taking up research projects. 2. Initiating bridge courses and interdisciplinary courses (create awareness among students regarding many unexplored career options) 3. Conducting Seminars as well as workshops 4. Scope for introducing various short term courses like Pali, Ardhamagadhi, certificate course in Indology, Travel & Tourism
Weakness: <ol style="list-style-type: none"> 1. Less number of Reference books in library 2. Research activities 	Challenges: <ol style="list-style-type: none"> 1. To create an interest in the subject among students, especially while teaching regional history to students from other state/country 2. To continuously evaluate students with a view to upgrade their performance and make them capable to appear at the University level exams

Future plans of the department:

1. Undertaking Major Research Project (UGC/ICHR)
2. Certificate course in Ancient Indian History, Culture & Archaeology
3. Museum displaying historic coins and antiquities
4. Conduct Kaun Banega? History Scholar!! At State level
5. Advanced course in Modi Script Studies
6. NET/SET Counseling Centre

Evaluative Report of the Department of Languages

1. **Name of the department:** Humanities and Languages

2. **Year of Establishment:** 1992

3. **Names of Programs/Courses offered:**

English is taught at UG level for Arts, Commerce & Science.

Hindi and Marathi is taught at UG level for Arts, Commerce

4. **Names of Interdisciplinary courses and the departments/units involved:**

Commerce	Science (English)
First Year (English, Hindi, Marathi)	First Year (B. Voc.)
-	Second Year (B. Sc. Gen., Computer Science, Biotechnology)

Besides this, English department conducts workshops on communication skills, resume writing and interview techniques for all faculties.

5. **Annual/semester/choice based credit system (program wise):**

Annual Pattern	Semester Pattern (English)
BA	B. Sc. General, Computer Science, Biotech
B. Com.	B. Voc.

6. **Participation of the department in the courses offered by other departments:**

Arts	Commerce	Science (English)
First Year	First Year	First Year (B. Voc.)
Second Year	---	Second Year (B.Sc. Gen, Comp. Sci. Biotech)
Third Year	--	--

7. **Courses in collaboration with other universities, industries, foreign institutions: English:**

- Research Project completed in collaboration with StraEd Inc USA
- One of our students is pursuing a correspondence course in Creative Writing in collaboration with the Writers' Bureau, Manchester, UK.

8. Details of courses/programs discontinued (if any) with reasons: None**9. Number of teaching posts:**

Designation	Sanctioned	Filled
Professors	--	---
Associate Professors	01 (Hindi)	01 (Hindi)
Assistant Professors	04 (English)	04 (English)
Assistant Professors	01 (Marathi)	01 (Marathi)

10. Faculty profile with name, qualification, designation, specialization:

Name	Qualification	Designation	Specialization	Experience
Shampa Chakravarthy (English)	MA, MPhil	Asst. Professor	Indian Writing in English Literature	23 years
Sandeep Sanap (English)	MA, SET	Asst. Professor	Fiction	10 years
Dr. Deepanita Bhanja (English)	MA, PhD	Asst. Professor	Indian English Literature	4 years
Mamta Pardeshi (English)	MA, NET	Asst. Professor	Poetry	1 year
Dr. Savita Sabnis (Hindi)	MA, Bed, MPhil, PhD	Associate Professor	Fiction	28 years
Dr. Sanskruti Awalganekar (Marathi)	MA, NET, Ph.D	Asst. Professor	Modern Marathi Lit.	9 years

- Dr. Savita Sabnis: is PhD guided at SPPU, Pune, YCMOU, Nashik, Garware College, Pune and C T Bora College, Shirur. She has guided 8 PhD and 5 MPhil students; 4 students awarded M.Phil. and 1 Ph.D student have submitted Ph.D. thesis- Result awaited

11. List of senior visiting faculty:

Sr. No.	Visiting Faculty	Designation
1	Dr. Prashant Sinha	Former Head, Dept. of English, SPPU, Pune
2	Dr. Shridhar Gokhale	Former Head, Dept. of English, SPPU, Pune
3	Dr. Ashok Thorat	Former Dean, Arts, SPPU & Director, IASE, Pune
4	Dr. Shirish Chindhade	Principal, M. U. College, Pimpri, Pune
5	Dr. Ashok Chaskar	Former Dean, SPPU, Pune
6	Dr. Supriya Sahasrabudhe	Translator & Linguist
7	Dr. Appurovanand Za	Delhi University

8	Mr. Parag Shah	Modern College, Ganeshkhind, Pune
9	Dr. Shashikala Roy	SP Pune University, Pune
10	Dr. Mishra	NDA, Pune
11	Dr. Sharma	Agra University

12. Student-Teacher Ratio (program wise):

BA	B. Com	B. Sc.(English)	SY/TY BA Special (English)
120:1	120:1	70:1	15:1

13. Number of academic support staff (technical) and administrative staff sanctioned and filled: 02

14. Qualifications of teaching faculty with DSc. /D.Litt./Ph.D. /M. Phil. /PG.:

- Ph. D. - 3
- M.Phil. - 2
- NET- 2
- SET- 1
- Pursuing Ph.D. – 2

15. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Name of Faculty	Funding Agency	Amount Sanctioned	Ref/Date	Status
Sandeep Sanap	BCUD	1,30,000	OSD/BCUD/360/117, 21.11.2013	Ongoing
Shampa Chakravarthy	UGC	75,000	F.23-1514/09,13.03.2010	Complete
Dr. Sanskruti Awalgaoonkar	BCUD	2,00,000	2012-2014	Complete

16. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received:

- UGC, Grants received Rs. 75,000/-
- BCUD, SPPU, Pune, Grants received Rs. 1,30,000/-
- BCUD, SPPU, Pune, Grants received Rs. 2,00,000/-

17. Publications:***Mrs. Shampa Chakravarthy:***

- 1 Co-authored an article ‘Urban Bias as a Post-colonial Distortion’ in a book *Postcolonial Theory and Literature* ed. by P. Mallikarjun Rao and published by Atlantic Publishers. New Delhi ISBN: 978-81-269-0230-9
- 2 An article ‘Technology Enhanced Pedagogy-Challenges and Threats’ in a Peer reviewed *International Research Journal –Thematics*, Vol.1 Issue-3 Sept. 2011 (ISSN-2231-487-3)
- 3 An article ‘In Search Of The Quintessential...’ in a book “Raising The Bar: Striving For Quality” ed. by Dr. Mintu Sinha, Alfa Publications. 2012 ISBN: 978-93-81465-61-5
- 4 Research Paper titled “Catching The Winds of Change- ‘Voice’ of The Subaltern in Badal Sircar’s Third Theatre” published in *EPIGNOSIS- Journal of Multidisciplinary Research - Information & Communication for Development- Reach, Impact, Opportunities*, Vol-1, Issue 2 January 2013. ISBN: 978-81-922163-2-4
- 5 “It’s Time We Broke Through the Glass Ceiling” – Paper published in the Conference Proceedings at the National Symposium on ‘Empowering Women in Higher Education Institutions’, Modern College, Pune-16. Sept. 2013 ISBN: 978-81-928564-1-4
- 6 “Come Let’s Break Those Invisible Barriers”- Paper published in the Conference Proceedings at the 5th Annual Women’s Leadership & Empowerment Conference in Bangkok, March 2014 ISBN: 978-86-87043-21-3
- 7 “Quest For Identity: Metamorphosis of the ‘Archetypal’ Indian Woman In Manju Kapur’s Fiction”. Abstract published in the Conference Proceedings at the International Conference on Social Entrepreneurship-A Global Perspective: 2015 Manipal University. January 2015
- 8 Badal Sircar’s ‘Third Theatre’: A ‘Voice’ to the ‘Voiceless’- Abstract published in the Conference Proceedings at the International Conference on ‘Marginalisation And Indian English Literature’. Bharati Vidyapeeth University’s Y.M. College, Pune. February 2015. ISBN: 13978-81-923-438-1-5
- 9 “Women, Workplace and the Invisible Barriers”- Research Paper published in ‘LANGLIT’ a Peer- reviewed Open Access Journal. May 2015 ISSN: 2349-5189
- 10 Badal Sircar’s ‘Third Theatre’: A ‘Voice’ to the ‘Voiceless’-a Research Paper published in the Special Issue on Indian English Literature of *International Journal of Innovative Knowledge Concepts*. Vol.I, Issue 3, September 2015. ISSN: 2454-2415
- 11 Abstract of a Research Paper titled “In Search of ‘Self’: Metamorphosis of the ‘Archetypal’ Indian Woman in Manju Kapur’s Fiction” published in Conference Proceedings at the International Conference on Women Studies & Social Sciences March 2016. ISBN 978-93-84124-67-0
- 12 Research Paper titled “In Search of ‘Self’: Metamorphosis of the ‘Archetypal’ Indian Woman in Manju Kapur’s Fiction” published in an International

Research Journal ENGLISH STUDIES Vol-4, Issue-1.March 2016 ISSN 2347-3479

Mr. Sandeep Sanap:

- 1 “An Analysis of Marginalisation and Exclusion in Rama Mehta’s *Inside the Haveli*”- Research Paper published in ‘LANGLIT’ a Peer- reviewed Open Access Journal. Feb 2015 ISSN: 2349-5189
- 2 “Postcolonialism: Polarities and Similarities in *The Lying Days* and *The Grass is Singing*”- Research Paper published in ‘Literary Cognizance’ An International Referred e-Journal. Dec. 2015 ISSN:2395-7522

Dr. Deepanita Bhanja:

- 1 “Traversing the Terrain of the Past: A textual Analysis of Anita Desai’s *The Zigzag Way*” –Research Paper published in Indian Journal of World Literature and Culture. July 2013. Vol 9 & 10, ISSN 2229-7251
- 2 “The Path Towards Self Discovery: Women in Anita Desai’s Novels” Paper published in the Conference Proceedings at the National Symposium on ‘Empowering Women in Higher Education Institutions’, Modern College, Pune-16. Sept. 2013 ISBN: 978-81-928564-1-4
- 3 “Baidh/Abaidh: Relationships in Buddhadeva Bose’s *It Rained All Night* and Dibyendu Palit’s *Illitic*”- Research Paper published in The Commonwealth Review. Vol 24, ISSN: 0974-0473
- 4 Research Paper titled “Redefining Freedom through selected novels of Anita Desai” published in an International Research Journal ENGLISH STUDIES Vol-4, Issue-1.March 2016 ISSN 2347-3479

Dr. Savita Sabnis:

1. Research Paper titled “Wanchit Ghatakanche Shikshan: Ek Avahan” published in a National Research Journal *Beyond Friendship*, 2013-14
2. Research Paper titled “Uccha Shikshan: Tantradnyan va Shasahwat Vikash” published in a National Research Journal *Beyond Friendship*, 2014-15
3. Uttam Anuwad Diwali Vishah And Padma Gandha Prakashan Pune, 2015-16

Dr. Sanskruti Awalgankar:

1. Hrudayachethavghenare Hrudayasta: Vishakhadiwaliank, 2011
2. Sant Kanhopatra: Charitra, Kalyani Visheshank, 2012
3. Smruti Ssthalatil Stree Darshan ‘Ajeya’, 2013
4. Streetvache anek sandarbha denari Kavayatree, Anuradha Potdar, ‘Sukhi Gruhini Diwali ank.’ 2014
5. Mahanubhav Bhashyakar: Omkar Bas Dharashivkar, Mrathi Sanshodhan Patrika, 2015 ISSN: 0542-6421
6. Kanhopatratuzidasi, Akshardan, 2015
7. Sant Namdevanchi Kathatm Rachana, Pratisthan, 2015
8. Tarabai Shinde krut ‘stree-purushtulana : eksamajik dastevaj, Aksharvangmay, 2016

*** Number of papers published in peer reviewed journals (national/international) By faculty and students:**

1. Shampa Chakravarthy: 09
2. Sandeep Sanap: 02
3. Deepanita Bhanja: 04
4. Dr. Savita Sabnis: 03
5. Dr. Sanskriti Awalgaonkar: 08

*** Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities, International Complete, Dare Database-International, Social Sciences Directory, EBSCO host, etc.)**

Shampa Chakravarthy:

A paper titled “Come Let’s Break Those Invisible Barriers” published on website <http://projectmonma.org>

Books:

Dr. Savita Sabnis:

Gajanan Madhav Mukthi Bodh: Ek Anushilan, Sahitya Sagar Prakashan, Kanpur, ISBN: 978-93-82234-01-2

Dr. Sanskriti Awalgaonkar:

Arvind Gokhale Yanche Kathavishav- Pratima Prakashan. Pune
(This book is prescribed to MA course of MSG University, Baroda)

Co-Author:

- “Trilingual Dialogue” Dr. Savita Sabnis, Dr. Sanskriti Awalgaonkar and Sandeep Sanap, Modern College Ganeshkhind Publication, Pune

Edited:

“Shabdagandh” A collection of poems by college students, edited by Dr. Sanskriti Awalgaonkar, Dr. Savita Sabnis and Parag Shah, Modern College Ganeshkhind Publication, Pune

Chapter in Books:

Shampa Chakravarthy: 02

- Co-authored an article ‘Urban Bias as a Post-colonial Distortion’ in a book Postcolonial Theory and Literature ed. by P. Mallikarjun Rao and published by Atlantic Publishers. New Delhi ISBN: 978-81-269-0230-9
- An article ‘In Search Of The Quintessential...’ in a book “Raising The Bar: Striving For Quality” ed. by Dr Mintu Sinha , Alfa Publications. 2012 ISBN: 978-93-81465-61-5

Sandeep Sanap: 01

Glimpses of World Literature, ABS Publication, Varanasi, ISBN: 978-93-85149-71-1

Deepanita Bhanja: 01

Co- authored an article *Biadh/Abaidh: Relationships in Buddhadeva Bose's It Rained All Night and Dibyendu Palit's Illicit* edited by R.K.Dhawan and Sumita Puri in a book titled *Indian and Comparative Literature: New Insights*. (138-151). Prestige Books, New Delhi

Dr. Savita Sabnis: 02

- Pratibimb (Ucha Shikshanache Vividh Aayama , Rajhans Prakashan, Pune
- Lokachetnake Kavi Sant Tulshidas one chapters in Sant Kabir Tatha Tulshidas Ka Hindi Sahitya May Yogdan Reprint book ISBN: 978-9383183-28-9

Dr. Sanskriti Awalganekar: 05

- Udyachya sunder divasasathi: ekakalan', *Nagnath Kottapalle: Sahitya, Swarup, ani Samiksha. Sampadak – Dr. Tushar Chandvadkar, Dr. Pruthviraj Taur. Atharv Publication, Dhule, 2015, ISBN: 978-93-84093-68-6 .(page 220-225)*
- Ekapustakachapathalag: swachintanachamuktaavishakar, *Vasantayan-sampadak- F. M. Shinde, Dr. Vishvas Wasekar, Sansrutiprakashan. Pune. March 2015, ISBN-978-93-84497-18-7, (page 301-313)*
- Srujanshiltecha Saundrya Vishvacha Avishkar: Varyane Halate Ran. 'Gresjogiyapurush' -sampadak – *H.L. Nipunge. Pushapak Prakashan, pune, 2015 (page 114-118)*
- *Shree Krushn Charitra : Vyangmayin Saundryachya Utkat Avishakar 'Mahanubhavanchi Akshar Leni' Nagpur. 2016. ISBN: 978-93-83132-37-9 (Page 155-160)*
- *Dr. Sanjay Dhole Yanchi Mulakhat. Sankarit Kathasangrah. Mehta Prakashan. Pune, ISBN. 9788184989182 . (Page no. 20-25)*

18. Areas of consultancy and income generated:

Listed below are the areas of expertise of the faculty members. Income generated from the expertise is nil.

- Shampa Chakravarthy:
 - Proof Reading/Editing articles and theses
 - Content Writing for websites
 - Compering academic and cultural programs
 - Guidance on Business English, Technical Writing and Communication Skills
 - Guidance to students on writing SoP
- Sandeep Sanap:
 - Guidance to students aspiring for NET/SET
 - Lectures for MPSC aspirants
 - Study material on Basic English Grammar for competitive examinations

Dr. Deepanita Bhanja:

- Proof Reading/Editing PhD theses
- Designed syllabus of MBA Course of a private college in Pune

Dr. Savita Sabnis:

- Guidance to Students appearing for MPSC, UPSC, Banking, Corporate Sector, Central Government
- Dept.- Maharashtra RashtraBhashaSabha , Central Hindi Dept., Examination and Courses offered by C-Dac,
- All India Radio, Film and Tel. Institute,
- Central Translation Beaura etc.

Dr. Sanskriti Awalganekar:

- Potential areas for Consultancy for in house magazines and other publication material, copy writing and script writing in Marathi.
- Proof reading for Marathi publications & thesis
- Guidance to MPSC & UPSC students

19. Faculty as members in: a) National committees b) International Committee c) Editorial Board etc.

S. Chakravarthy:

Peer Review Committee Member of International Centre for Economics, Humanities and Management (ICEHM)

Dr. Deepanita Bhanja

Life Member, Indian Association of Commonwealth Literature and Language Studies (IACLALS)

Dr. Savita Sabnis:

Life Member, Maharashtra Hindi Parishad kendriya Hindi Sansthan Agra
Symbiosis international University, Pune

20. Student projects:

Percentage of students who have done in-house projects including inter-departmental / program:

80% students Projects based on Literature, Art, Culture and Cinema, Advertising, Social Media, Corporate Giants, Book Reviews.

21. Awards/Recognitions received by faculty and students:

➤ Sandeep Sanap: PG Recognition wef. 2015

➤ Dr. Savita Sabnis:

Vidya Bhushan	2010-11	Neharu Youa Kendra Bharat Sarkar
Shikshak Gaurava	2011-12	Dr. ManiBhai Desai Trust

Swayamshiddha Mahila Gaurava	2012-13	Layance Claub of Pune Elite
Shikshak Gaurava	2013-14	Pune Mahanagar Palika Shikshan Mandal

Jitendar Rawat, our student won First Prize in State Level Intercollegiate Essay Writing Competition

Shayam Datal, 2nd prize in *Chirmule Katha Lekhan Spardha*, Garware College, Pune

22. List of eminent academicians and scientists/visitors to the department:

SR. No.	Year	Visitor/Expert	Area of Competency
1.	2011-12	Vinita Deshmukh Dr. Ashok Chaskar	Senior Editor, Writer of 'To the Last Bullet' Dean, SPPU, Pune
2.	2012-13	Mr. KirtiPatil	Senior Sports Correspondent, Sakal Times
3.	2013-14	Prof. K. G. Soman	HoD, Cinematography, FTII, Pune
4.	2014- 15	RigvedDeshpande Dr.SupriyaSahasrabudhe	Director, SETU Advertising Ltd. Translator & Linguist
5.	2015-16	Prof. Vikas Sharma	Prof. Screenplay Writer, FTII, Pune
6.	2015-16	Dr. UjwalaBarve	Journalism and MassCom.
7.	2015-16	Dr. AppurovanandZa	Delhi University
8.	2014- 15	Parag Shah	Modern College, Ganeshkhind, Pune
9.	2013-14	Dr.Shashikala Roy	SP Pune University, Pune
10.	2013-14	Dr.Mishra	NDA, Pune
11.	2013-14	Dr.Sharma	Agra University
12.	2013-14	Dr. Sunil K. Devdhar	AIR, Pune
13.	2011-12	AnaghaDeshpande	Story Teller on V. P. Kale
14.	2012-13	Dr. MilindBokil	Author and Social Activist
15.	2012-13	Dr. Neeta Bokil	Author
16.	2013-14	Dr. Anil Awachat	Author & Social Worker
17.	2014- 15	Dr. Baal Fondake	Scientist & Science fiction Writer
18.	2012-13	MeeraShinde	Poet
19.	2014-15	PradeepAgashe	Speaker
20.	2015-16	Dr. AvinashAwalgaonkar	Head, Dept. of Marathi, SPPU, Pune
21.	2015-16	Dr. VishwasVasekar	Writer and Poet
22.	2015-16	Dr. Ramesh Panase	Educationist

23. Diversity of Students:

YEAR	CLASS	SAME STATE			OUTSIDE STATE			FOREIGN STUDENT		GRAND TOTAL	
		F	M	T	F	M	T	F	M	T	
2011-12	FYBA	52	137	189	02	02	04	--	01	01	194
	SYBA	64	95	159	--	02	02	--	--	--	161
	TYBA	51	59	110	01	01	02	--	--	--	112
2012-13	FYBA	79	157	236	04	05	09	01	01	02	247
	SYBA	40	87	127	13	16	29	01	--	01	157
	TYBA	47	62	109	02	02	04	--	--	--	113
2013-14	FYBA	64	153	217	16	22	38	--	--	--	255
	SYBA	47	94	141	02	09	11	--	01	01	153
	TYBA	38	61	99	11	14	25	01	--	01	125
2014-15	FYBA	98	209	307	13	18	31	02	11	13	351
	SYBA	45	91	136	08	13	21	--	--	--	157
	TYBA	47	84	131	04	07	11	--	01	01	143
2015-16	FYBA	125	216	341	11	25	36	--	02	02	379
	SYBA	73	108	181	11	11	22	--	--	--	203
	TYBA	40	74	114	12	07	19	--	--	--	133

24. Seminars/Conferences/Workshops organized & the source of funding:

National: Empowering Women in Higher Education Institutions, September, 2013

25. Student progression:

Student progression	Against % enrolled
UG to PG	30%
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
Campus selection	Nil
Other than campus recruitment	40%
Entrepreneurship/Self-employment	20%

26. Details of Infrastructural facilities:**a) Library: Central Library**

- 04 Journals
- 1151 (includes reference Books on Language, Literature, Communication Skills - Scientific and Business
- 205 Text Books
- Digital Library facility for staff and students
- Online Library Facility: DELNET, INFONET, INFLIBNET

Departmental Library: 215Books
 Hindi: 595 (includes Reference Books on Language, Literature, Communication Skills
 Departmental Library: 106
 Marathi: 1695 (includes Reference Books on Language, Literature, Communication Skills
 Marathi Manuscripts from 18th century
 Departmental Library: 210

b) Internet facilities for Staff & Students:

- Well-equipped Language Laboratory with 21 computers having internet facility, BSNL and Air Cell Broadband connection with 10 mbps speed
- “Tell Me More” a special software installed for Language Learning Primary, Intermediate and Advanced levels.

c) Class rooms with ICT facility:

- 02

d) Laboratories:

- Well-equipped Language Laboratory with latest English Learning Software “Tell Me More”

27. Number of students receiving financial assistance from college, university, Government or other agencies:

- Students receive financial assistance from College, SPPU, Pune, State Government and other agencies

28. Details on student enrichment programs (special lectures/workshops/seminar) with external experts:

Sr. No.	Activity	Objective	Need	Outcome
1	FLAIR	To create a platform for students to showcase their creativity and talent	Promote research aptitude	Familiarization with contemporary issues Writing skills improvement
2	English Corner	To take Classroom to Campus	Reach out to all students on the campus	Learning English grammar and usage
3	What's The Good Word?	To enrich vocabulary of English	Need for exposure to and acquaintance with new words	Better word power

			and phrases	
4	Spoken English	To enhance LSRW skills	Need for enhancement of employability	Confidence building and ability to converse in English
5	Remedial Coaching	To brush up basics of Grammar of students	To bridge the gap in learning	Weak students brought up to base level
6	Guest Lectures	To give exposure about emerging trends in English Lang. and Lit.	Awareness of career opportunities and academic programs	Better informed about the importance and efficacy of English
7	Literary Club	To motivate students to read and enjoy literature	Familiarization with the gems of literature	Inculcation of reading habit and appreciation of texts
8	7 Sisters Club	To create a platform for North-Eastern students	Integrate them into the main stream	Enthusiastic participation in college activities and sense of security
9	Learning by Sharing	To provide economically backward students with text books and study material	Lack of resources	Better equipped with study resources
10	Educational Visits	To promote interest among students in art and culture	Tap creative skills	Enhanced creativity and ability to appreciate
11	Trilingual Booklet	To help students outside Maharashtra in day-to-day communication	Linguistic barrier	Better understanding while communicating in multilingual environment
12	Film Screening	To enhance better understanding and appreciation of prescribed texts	Need for critical analysis of prescribed texts	Improvement in thinking, writing and critically appreciating the texts

13.	Intercollegiate Essay writing Competition	To increase language skills and to reach to the students in rural areas	Need for writing critically on diverse and current topics	Improvement in writing and critical thinking and participation of students in rural areas
14.	Jidnyasa	To create a platform for students to develop curiosity	Interdisciplinary exposure	Active participation and team work
15.	Waad-viwadWakrutw aMandal	To inculcate habit of reading poetry, public speaking and subject knowledge	Need for enhancement of employability	Personality development and face competition
16.	WachanPrerana Din	To inculcate reading habit and improve pronunciations	Need for proper pronunciation of words and extensive reading	Introduction to various and diverse literatures and cultures

29. Teaching methods adopted to improve student learning:

Projects	Group Discussion	Presentation	Role Play	Film Screening	Word Power Games
Based on literary ages Literary trends Book and film reviews	Based on prescribed texts and current issues	On given assignments	Based on formal and informal conversations	Based on prescribed texts and adaptations	Based on glossary Literary terms Synonyms Antonyms Homophones Homonyms Cross words and puzzles

30. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Interaction with students of school for slow learners
- “Fun with English” activity for school children by Staff and students of the
- Department at village Jambhe under NSS Camp

- “Learning by Sharing” an activity by the Department wherein senior students donate their text books to the Department and the Department gives them to the economically backward students
- Teachers from the Department are invited as –
- Resource Persons at Faculty Development Programme and International Conference
- Expert at University Level Elocution Competition
- Deliver Guest Lecture for Soft Skill development Programme
- Coordinator for various college level committees
- Body Member of JivanVardhini, a school for deaf and dumb

31. SWOC analysis of the department and Future plans:

➤ Strength:

1. Qualified and competent Staff
2. Student-centric activities
3. Well Equipped Language Laboratory
4. Diversity of students
5. Association with other departments while organizing seminars, educational Workshop
6. Syllabus complimentary for competitive exams

➤ Weakness:

1. Lack of adequate number of students for Specialization
2. No National workshop/seminar conducted independently
3. Less research activity

➤ Opportunity:

1. Undertake more research projects
2. Introduce short term courses in Communication skills, Personality Development and foreign languages
3. Introduce Add-on Courses like content writing, Script Writing, Feature Writing
4. To associate with other departments in the college to start interdisciplinary courses
5. Scope for students in mass media & communication

➤ Challenge:

1. Majority of students are from Marathi Medium
2. Heterogeneous mix of students in class
3. Poor exposure to basics of English Language
4. Catering to students having minimum literary awareness
5. Minimum contribution in teaching-learning process by students
6. Weaning students from market notes to actual texts
7. Scope for students in mass media & communication

Road Map for Next Five Years

- Flair – The Wall Magazine: The Department desires to extend the Wall Magazine activity to a larger audience by bringing out an “In-House Publication”
- Spoken English Certificate Course: To design Spoken English Certificate Course at three levels – Primary, Intermediate and Advance using the software “Tell Me More” and make it available for the teaching and non-teaching staff of the college also.
- English Corner: To increase the competency in English – the global language of communication, the department plans to involve more students’ participation and contribution in the activity.
- Vocabulary Quiz: To extend the Vocabulary Quiz from college level to University level
- To start an Inter-Collegiate Elocution and Recitation Competition in order to promote public speaking skills among students and familiarize them with literature.
- To organize a National/International Conference in languages.
- To organize workshops in the college with the emphasis on communication skills, etiquette and manners for personality development.
- Run a course in collaboration with industries and other universities focusing on the current needs of employment.
- More Books and literary forms will be added in the library like novel, fiction, Biography, Inspirational & Motivational books for students
- To increase more research activity
- Willing to start elocution competition
- To start a Marathi DTP short term course
- To extend essay writing competition from inter-collegiate to state level

Evaluative Report of the Department of Political Science

- 1. Name of the department:** Political Science
- 2. Year of Establishment:** 1992
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :** UG at general level
- 4. Names of Interdisciplinary courses and the departments/units involved:** NA
- 5. Annual/ semester/choice based credit system (programme wise):** Annual pattern of 20 : 80.
- 6. Participation of the department in the courses offered by other departments:**
 - Engaged a credit on Value Education for B. Voc, Food Processing Technology
 - Lectures on Human Rights for PG classes : MA, M Com, M Sc, Life Sciences and M Sc Comp Science
 - Presentation for S Y BCom on Political Thought of Mahatma Gandhi, Pandit Nehru and Dr. B. R. Ambedkar as part of their syllabus
 - Engaged EVS lectures for SY B.Com
- 7. Courses in collaboration with other universities, industries, foreign Institutions:** NA
- 8. Details of courses/programmes discontinued (if any) with reasons:** NA
- 9. Number of Teaching posts:**

Designation	Sanctioned	Filled
Asst. Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Gauri Kopardekar	* MA (Political Science) * Bachelor of Communication and Journalism * NET	Asstt. Professor	Political Science Communication and Journalism	5 + years in academics 16 years of Corporate experience	NA

11. List of senior visiting faculty: NA

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NA

13. Student -Teacher Ratio (programme wise): 50:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : NA

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:
PG and pursuing Ph D from the Department of Politics & Public Administration, SPPU, Pune

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received :
BCUD Project for 2012-14 : Rs. 1,20,000/- on People Participation in Urban Governance: A Study of Select Initiatives in Pune

18. Research Centre /facility recognized by the University: NA

19. Publications:

* a) Publication per faculty: 2

* Number of papers published in peer reviewed journals (national /international) by faculty and students :

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.)

International Paper: Syllabi and Textbooks of Political Science – Issues in Text Book Writing in Sage Journal of Studies in Political Science, Vol 2, no. 1, ISSN: 2321-0230 in 2014-15

National Paper: Teaching and Learning Political Science in an interdisciplinary way : 2015 Feb, ISBN : 978-81-926011-3-7 in 2014-15

* **Books Edited:** 1 for Maharashtra State Higher Secondary Board for 12th Std Political Science Text Book

* **Books with ISBN/ISSN numbers with details of publishers:** Reading Material : New Structures of Governance in Maharashtra published by the Centre for Advanced Studies, Department of Politics & Public Administration, Savitribai Phule Pune University

* Blog : <http://cegcmmodernnganeshkhind.blogspot.in/> on Competitive Examination Guidance Cell of Modern College, Ganeshkhind

On Demand Audio Lecture : www.i-radiolive.com/#/aod/sndt on structure of Panchayati Raj Institutes for SNDT University

20. Areas of consultancy and income generated:

Provided a consultancy to Mahratta Chamber of Commerce, Industries and Agriculture, Pune, a regional Chamber of Commerce for B G Deshmukh Corporate Social Responsibility (CSR) Awards : consultancy for all the activities starting from planning to execution, from approaching corporate to short listing of awardees, part of interview panel.

Income generated : Rs. 10,000/-

Consultancy can be provided in areas such as Industry Academia Linkage, Communication, Presentation Skills, CSR/ Business Responsibility

21. Faculty as members in a) National committees b) International Committees c) Editorial Board: State Higher Secondary Education Board: Co-ordinator for 12th Std. Text Book of Political Science

22. Student projects:

Political Science: Election of President, 40 Years of Emergency, Know your representatives, Political Parties from your region, relation of freedom and education etc.

- Percentage of students who have done in-house projects including inter departmental/programme : **30%**
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

23. Awards / Recognitions received by faculty and students:

24. List of eminent academicians and scientists / visitors to the department

- Dr. Milind Bokil, Marathi Litterateur, Activist, Researcher
- Dr. Neeta Bokil, From Teaching field and an author
- Dr. Anil Avachat, Marathi Litterateur, Activist, well-known author, an Artist
- Dr. Bal Phondake, Senior Scientist and a renowned Author
- Dr. Kiran Kulkarni, Addl. Collector, GOM and Director, Janwani
- Mr. Avinash Madhale, Centre for Environmental Education
- Dr. Arundhati Vishwasrao, Social Activist and Environmentalist
- Ms. Sadhana Dadhich, Social Activist

25. Seminars/ Conferences/Workshops organized & the source of funding a) National: Nil b) International: Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	

BA First Year	404	268	174	94	50%
BA Second Year	80	77	50	27	90%
BA Third Year	66	66	50	16	95%

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA : 2012-13	FY 90% SY 75 % TY 100%	FY 10% SY 25% TY 0%	FY 0 % SY 0% TY 0%
BA : 2013-14	FY 90% SY 85 % TY 100%	FY 8% SY 15% TY 0%	FY 2 % SY 0% TY 0%
BA : 2014-15	FY 90% SY 80 % TY 90%	FY 9.5% SY 10% TY 10%	FY 0.5% SY 10% TY 0%

Additionally students hailing from urban and rural background, physically disabled, students coming from science and commerce background enrich the diversity.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? -

29. Student progression: NA

Student progression	Against % enrolled
UG to PG	60%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	20%
Entrepreneurship/Self-employment	2%

30. Details of Infrastructural facilities a) Library:

College Library : 492 books and 5 Journals

Individual library : 50 + books on Political Science

Dedicated library of publications, volumes and books on Human Rights : 125+

- b) Internet facilities for Staff & Students: **10 MBPS Aircel and BSNL**
- c) Class rooms with ICT facility: **2**
- d) Laboratories: **NA**

31. Number of students receiving financial assistance from college, university, government or other agencies:

Assistance from college, university, government (Common Information For Arts Faculty)
 40% Students Received Scholarships and Freeships
 SC /ST/OBC/DT/NT/OBC/SBC by Department of Social Welfare
 Government of Maharashtra & Other Scholarships of North East Students from Their Concern States and
 International Students from ICSR, Krantijyoti Savitribai Phule and Rajashree Chatrapati Shahu Scholarship, etc.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- * As there are students from over 10 states from India in the class, they have been asked to share information about political party, government, CM from their native states, and international students share about political systems in their own countries as part of their assignments.
- * Celebration of Human Rights day (10 Dec) , Fundamental Duties day (3 Jan), organise Essay competition and debates to commemorate Voter Awareness Day (25 Jan)
- * Map Assignments for FY (India Political) and TY (World, EU Political)
- * Jidnyasa : an interdisciplinary platform for students from Arts and Commerce, having different theme every year :
 - 2012-13 : Yashwantrao Chavan Centenary year and chat with an author of the Book 'Shala'
 - 2013-14 : Social Responsibility
 - 2014-15 : Science for Non-science students.
- * Guest Lectures, Quiz and Study Visits : Dr. Ambedkar Museum and National Film Archives of India

33. Teaching methods adopted to improve student learning:

Political Science

- * Interactive Class room teaching
- * Conducting group discussions and interactions on topics of current relevance
- * Peer learning
- * Provision of supplementary reading : News Paper articles are collected and circulated among students and session on news paper reading skills are conducted
- * Guidance to the Students to write model answers, study technique like preparing micro-notes is being introduced, preparation of question banks, maintaining a file of previous examination paper sets
- * Use of ICT for teaching Human Rights for PG Courses and Value Education for B Voc and use of a case study method for B Voc

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Participation of NSS students and engagement with Janwani, NGO for involving students into vision preparation exercise for Pune
- Joint programmes with other educational institutions like Centre for Environment Education (CEE) for Participatory Budget activity.

35. SWOC analysis of the department and Future plans:

Strengths

- Bilingual teaching is available
- Faculty having experience of Industry and corporate work culture
- Students from diverse backgrounds enrich the classroom interaction
- Syllabus complimentary for competitive examinations
- Well developed library, collection of newspaper articles and e-sources

Weaknesses

- Reading and writing skills of the students
- Students having diverse backgrounds cannot mingle very easily and the competency gap is wide

Opportunities

- Political Science could be made available as a Special subject
- Competitive Examinations provide a push for the subject and hence there is and would be demand for the same
- Peer learning
- Promotion of Interdisciplinary understanding among students

Challenges

- Declining attendance
- Improving English proficiency of the students

Future Plans

- Preparing a basic **glossary of terms of Political Science** in English and Marathi to enhance understanding of students coming from other disciplines like science and commerce and also from other states and countries and environments. As also would help students from arts faculty background. A soft and a hard copy would be prepared and shared with the students. Involvement of students for preparing the same would be sought so that it becomes a participatory activity.
- An effort would be done to have **bilingual classes** so that English medium and Marathi Medium students would mingle with each and other and participate in discussions that enhances their understanding together. Also such activity would benefit Marathi medium students to improve their English vocabulary and comprehension in English
- **Politics and Literature:** A joint seminar would be organized either at district or at state level with Language Departments.

Evaluative Report of the Department of Psychology

1. **Name of the department:** Department of Psychology
2. **Year of Establishment:** 1992
3. **Names of Programs/Courses offered:** B.A. (U. G.)
4. **Names of Interdisciplinary courses and the departments/units involved:**
Nil
5. **Annual/semester/choice based credit system (programme wise):** Annual system for U.G.
6. **Participation of the department in the courses offered by other departments:**
 - Head, Dept. of Psychology is a Resource Person for Compulsory Credit Course on Human Rights for all PG programs
 - Resource Person for Credit Course for PG on Child Abuse and Field Work Orientation, Liaison with Alochana- Muskaan
 - Conducts Life Skills workshops for all PG courses, Study Skills workshops for Science departments
 - Conducted guest lectures for Commerce (Business Entrepreneurship)
 - BBA (CA) (Goal Setting)
 - Computer Science department (GD, Interview techniques)
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

Conducted

 - Taught a Module on Psychotherapy to MA students of **Erasmus Mundus** programme at Fergusson College
 - Involved in Course content preparation and as a Resource Person in Supervised Hands on Counselling Course along with **Maharashtra Medical Foundation**
 - Participation as an Expert in Testing and reviewing new product concept for **McGraw Hill Education International**
 - Presentation about Disha : the Psychology Study Circle , interview and interaction with international faculty at Women's Studies Centre, SPPU at a Consultation with University of Massachussets, Amherst, USA in a collaborative research project on Inclusive Universities under the Obama Singh Initiative
 - Participation in training programme under the joint collaboration of Centre for Indian Languages, Tata Institute of Social Sciences, Mumbai and Women's Studies Centre, SPPU.

Proposed

 - MOU with Departments of Psychology at AbedaInamdar College and St Mira's Autonomous College for collaborative modules on **Career Mapping and Professional Skill building**
 - MOU with Bapu Trust on Mind and Discourse a National level

research and community based organization working on mental health on designing and implementing a Course on Psycho Social Counselling

8. Details of courses/programmes discontinued (if any) with reasons: N.A.

9. Number of Teaching posts:

	Sanctioned	Filled
Professors		
Associate Professors	01	01
Asst. Professors	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.,)

Name	Qualifications	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided
Dr. Sadhana Natu	M.A, B.Ed, NET-JRF, Ph.D Advanced Diploma French	Associate Professor, Head	Clinical Psychology	27 years- UG 20 years – PG	04
				20 years – Women's Studies 5 years national Research organization	
				2 years International collaboration advocacy organization	
Nashome Crasto	M.A., SET	Assistant Professor	Clinical Psychology	01 year	N.A.

11. List of senior visiting faculty:

- Prof Sunil Bhatia, Prof and Chair Human Development, Connecticut College USA, Program Chair Div 24, American Psychological Association
- DrSoumitraPathare – Consultant Psychiatrist and Coordinator Centre for Mental Health Law and Policy, ILS, Pune , Consultant WHO
- Prof BhaskarShejwal, - Former Head, Dept. of Psychology, SPPU
- DrBhooshanShukla – Practicing Psychiatrist, Hypno- therapy and EMDRspecialist
- DrShyamalaVanarase – Practicing Industrial Psychologist

F. Dr. AlkaWadkar, Former Associate Professor, Dept. of Psychology, SPPU
 G. Dr. BhargaviDavar- Executive Director Bapu Trust for Mind and Discourse

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty (current year)

Class	Total lectures	%Lectures by temporary faculty
FYBA	08	25%
SYBA	16	37.5%
TYBA	08	50%

13. Student-Teacher Ratio (programme wise) (Current Year)

Class	Student –Teacher Ratio
FYBA	100:1
SYBA	25:1, 28:1
TYBA	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled- Sanctioned 01, Filled 01

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Qualifications	PG	PhD
	01	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

- Submitted one project

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received– Completed projects

Funding Agency	No. of Projects	Grant amount
UGC	01	1,50,000 Lakh
BCUD	01	1 Lakh
Karve Institute of Social Science	01	70,000
MahilaSarvangeenUtkarshMandal	01	60,000

18. Research Centre/facility recognized by the University – Using the common research

facilities available for Departments of Social Science. Head of the department is a recognized Guide with the Research Centre of Dept. of

Psychology, SPPU.

19. Publications:

- * a) Publication per faculty
- * Number of papers published in peer reviewed journals (national/international) by faculty and students -
 - * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host,etc.)
 - * Chapter in Books
 - * Books Edited (Journal Editorial work)
 - * Books with ISBN/ISSN numbers with details of publishers

Research paper in reputed journal with ISSN Number

Examining Counseling Curricula form a gender and mental health perspective, ISSN 2229 5356, Indian Association of Health Research and Well- being, New Delhi	Indian Journal of Health and Well -being, Vol2, Issue 4 December 2011, pp 725-727 Impact factor : 2.5 2011
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Research papers in conference proceedings

Empowering women in Higher Education Institutions : Including the Excluded , ISBN 978 81 928564 1 4 , National Symposium Empowering Women in Higher Education Institutions	Modern College Ganeshkhind, Pune 2014
Youth and Mental Health : Urban, Rural and Fringe Realities, ISBN 978 81 931444 0 4 , National seminar on Urban Inequalities in India	Siddhivinayak College, Pune 2015
College Mental health : The Disha Experience in Medico Friends Circle Bulletin brought out during	Medico Friends Circle , Pune

National Conference on Mental Health	2015
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Reference Book Published by International publisher– Peer Reviewed

SamajikManasshastra ISBN 978 81 317 3215 1 , 2012	Pearson , South Asian Publication, South Asia, New Delhi
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Reference Book Published by National publisher – Peer Reviewed

Youth Suicides in PurandarTaluka, Pune District; an exploratory Study , ISBN 978 93 81352 06 9 , 2015	MASUM, National publisher
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Chapters in a Book

Engendering Psychology: Charting a New Course , pp 85-90	Gender Studies : Teacher Fellowship Project Series 2011	Women's Studies Centre, Pune University
Lingabhavanimanasshastra : ekavalokan, ISBN 978 93 82364 19 1	SandarbhasahitStreevad: StreevadacheSamakaleenCharchavishwa 2014	Shabda Publications, Mumbai

- A. Ethics in Counselling in LokvidnyanDindarshika, Pune
- B. “Web resources in Social Sciences” in Granthavedh an e-Newsletter of Modern College library and also its Co – Editor
- C. Importance of Mixed Method in Psychology Research in NAOP e newsletter
- D. Professional Ethics in Clinical Practice in Psychology : Need for licensing on Indian Psychologists Yahoo Group
- E. Audio Visual : MahilaRajsattaAndolan, EMRC A V lectures, Commentary for 3 short films

20. Areas of consultancy and income generated:

Agency	Nature of Consultancy	Amount received
Karve Institute of Social Science	Customised a Psychological test, conducted research	70,000 (2011-2012)
Tata Trust	Evaluation of Bapu Trust Community Mental Health Project	25,000 (2013)

Principal Global Services (MNC) 2014-2017	Expert on Anti Sexual harassment Cell. Participation and training(ongoing)	2 lakhs
MASUM national NGO research organization 2014-2017	Advisor on research and campaigns	50,000
Clinical practice from home	Counselling and Psycho therapy	Monthly income

Areas of consultancy enlisted on Linked in (along with endorsements received) (Lectures, workshops, writing)

Research: Qualitative and Quantitative Research Methodology in Social Science, feminist research methodology

Gender Issues: Gender Sensitization, Gender and Psychology, Mental Health, Gender and Education

Practice: Counseling Psychotherapy , Vocational Guidance

Personality Development: Training, Career Mapping in Psychology

Psychological Testing: Attitude scales, general mental ability tests, aptitude tests

Sexual harassment at the workplace: law, advocacy, training

Corporate training: Motivation, team building, work- life balance

CBO training: youth, gender and mental health issues

Writing: Peer review, process documentation, editing

21. Faculty as members in

a) National Committees :

Selected as a Member of Indian Association of Social Sciences (2011-2014)

Life Member of National Academy of Psychology

Life Member of Marathi Manas Shastra Parishad

Life Member of Indian Association of Women's Studies

Project Advisory Committee- Research of MASUM (2014-2017)

ICC of Principal Global Services (2014-2017)

Founder Member- Indian Psychologists Yahoo group an official portal of National Academy of Psychologists

b) Editorial Board:

Indian Association of Women's Studies Newsletter

Aaina a National Mental Health Newsletter

Abhivyakti- a State Mental Health Newsletter

c) Board of Studies :

Psychology – SPPU, Psychology – St Mira's College

Women's Studies SPPU

Module Expert in Masters Diploma in Higher Education Andragogy, Symbiosis International University

22. Student projects:

- a) Percentage of students who have done in-house projects including interdepartmental/programme: 50% (Disha Kaleidoscope)
Interviews of VidyaBal, AchyutGodbole, Dr Sanjay Kharat
Narratives of those who have braved the odds , analysis of causes of depression
Decoding the demographic dividend- marginalized, learning and earning, North East
Interview of SaraswatibaiWaghmare and case study of SWACH, psychological, spiritual and sexual journeys
Interconnections between various media and psychological concepts and theories
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: 5 %
Deepali Kshirsagar – Pragati Foundation, Samyak

23. Awards/Recognitions received by faculty and students:

Dr. Sadhana Natu has received the following Awards –

1. Innovative Teaching Award of SPPune University – First Prize (2010)
2. SavitribaiPhule Teacher Fellowship of Women’s Studies Centre, Pune University (2011)
3. Best Teacher Award of Progressive Education Society (2012)
4. Best Book Award by Marathi ManasShastraParishad (2014)

Recognition:

1. Selected for Invited Symposium at International Congress of Psychology in 2016 , an International Union of Psychological Sciences Event through rigorous selection process vetted by National Academy of Psychology
2. M Phil and PhD Guide in Psychology SPPU
3. Evaluator for MA and MPhil for Internship and Dissertation Viva for IGNOU ratified by IGNOU New Delhi
4. Member of ICC and Trainer for a Multinational Company Principal Global Services
5. Resource Person at 8 National Conferences, Chaired Sessions at 5 National conferences
6. Invited Faculty for Masters Diploma in Higher Education Andragogy for Symbiosis International University for Professors
7. Invited as an Expert for conducting FDP at Symbiosis International University 2008 onwards

8. Expert at Regional Consultation on Education organized by BJS
9. Invitee for PMC Education Committee Consultation on Education
10. Chief Guest and Gender Expert for Inauguration of Vidyarthini Manch at 4 Colleges and for International Women's Day in a few NGOs and at Honeywell International Limited and Principal Global Services
11. Resource Person at SCLA, SSLA, YASHADA and BARTI
12. Expert for MPhil and PhD Fellowship Interviews at BARTI
13. Resource Person for QIP programs on several topics in numerous Colleges
14. Chairperson and Coordinator in framing the syllabi of 3 Undergraduate courses and 2 post graduate courses of SPPU, Psychology courses. Member in other course committees
15. Designed the syllabi of Core Courses of Psychology as well as credit courses in BOS, St. Mira's College and Women's studies, SPPU
16. Resource Person on Youth, education, mental health and sustainable development at Babu Trust National Consultation and Dissemination meet

Students' Achievements

- 2 students completed Post Graduate Courses in Psychology from Nottingham Trent University, UK and New York State University, USA
- 1 student won the US Fulbright Fellowship for Masters in Public Health care management at NYU, USA
- 1 Student has been selected for Doctoral Work in London School of Tropical Medicine with full stipend
- 4 students completed the Intensive Course on Women and Development conducted by the Women's Studies Centre, Pune University.
- Disha members Ketan Rakshe, Deepali Kshirsagar, Rutuja Chinchore and Chetana Shivale worked as Volunteers for National Alliance for People's Movement Annual Conference.
- Deepali Kshirsagar was placed at Pragati Foundation and Samyak for two and three months respectively.
- Deepali Kshirsagar came 4th in the National Entrance Examination for Masters in Gender, Culture and Development course
- Papers of 3 students were selected for National Paper Presentation Competition organized by Dept. of Psychology, Christ University Bangalore and Sonika Sharma won the FIRST PRIZE and the title of YOUNG PSYCHOLOGIST of the year.
- Papers of 3 students were selected for National Paper Presentation Competition Chikitsa organized by the Women's Studies Centre, SPPU
- Hemant Raghunauth participated in the National Conference organized by Indian Council of Cultural Relations at Mumbai.
- 8 students put up stalls at Anubhuti the Science exhibition.
- 4 students' article on Disha was published in the *Miloon Sarya Jani* magazine

24. List of eminent academicians and scientists/visitors to the department:

1. Prof Karuna Chanana, JNU
2. Prof Chaya Datar, TISS, Prof Emeritus
3. Prof Ramabrahmam Central University, Hyderabad
4. Milind Chavan, MASUM
5. Smt Vidya Bal Nari Samata Manch – Editor, Activist
6. Dr Kiran Moghe, AIDWA Activist
7. Divyanshu Ganatra, Clinical Psychologist
8. Sanjay Pawar, Writer, Director
9. Ujwala Mehendale, Journalist, Writer
10. Sadhana Dadhich, Social Activist
11. Sachin Shinde, Sangat, Goa, Research Coordinator
12. Anand Pawar, Samyak
13. Radhika Kulkarni, Journalist
14. Dr Bharat Bhushan, Dean Academics, YASHADA
15. Dr Suvarna Bobade Counselling, Psychologist
16. Manali Pingale- Coaching Class teacher
17. Prashant Khandekar, Ritesh Pardeshi – Social work
18. Shrishail Birajdar- Research and Training officer BARTI
19. Shruti Vaidya – Researcher
20. Purva Sahasrabudhe- Practicing psychologist

25. Seminars/Conferences/Workshops organized & the source of funding:

- a) National - Empowering Women in Higher Education Institutions, UGC 1, 50,000, September 2013
- b) Regional - Faculty Development Programme for Social Science Teachers, UGC Academic Staff College, SPPU, July 2014
- c) College level -Capacity building Workshop for FY, SY, TY BA students (2011-2012)
 Career guidance, gender sensitization, pre- marital counselling workshops every year
 Life skills and study skills workshops every year
 Bridge Course for FY as well as SY (special and general) BA students

26. Student profile programme/course wise:(Current Year)

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FYBA	400	250	100	150	
SYBA	80	72	30	42	
TYBA	35	27	10	17	

27. Diversity of Students (SYBA current year)

No. of Students from same state	No. of students from other states	No. of students from abroad	No. of female students	Physically challenged student	Minorities	SC-ST
55	9	8	42	01	10	12

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

2 Students have done Post Graduate Courses from Universities abroad.
1 Student won the US Fulbright Fellowship for a PG Program and has currently been selected for a PhD program in London School of Tropical Medicine

29. Student progression:

Student progression	Against % enrolled
UG to PG	30%
PG to M.Phil.	2%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	-
Employed	10%
•Campus selection	2%
•Other than campus recruitment	10%
Entrepreneurship/Self-employment	3-4%

30. Details of Infrastructural facilities:

a) Library - Number of books in Central Library: 800

Number of journals : 5

Departmental library: 100

Cost: 1,60,000/

Dr Sadhana Natu is a member of Women's Studies Library, SPPU, BCL and Bapu Trust Library. Inlibnet and Delnet facilities are also used. Students access Inlibnet and are members of Women's Studies library.

- b) Internet facilities for Staff & Students – Common PC in the Staff room for Staff and Digital Library for the students. BSNL and Aircel broadband facility at 10 mbps
- c) Class rooms with ICT facility – 2
- d) Laboratories – in the pipeline

31. Number of students receiving financial assistance from college, university, government or other agencies: 50 %

Assistance from college, university, government (Common Information For Arts Faculty)

40% Students Received Scholarships and Freeships

SC /ST/OBC/DT/NT/OBC/SBC by Department of Social Welfare

Government of Maharashtra & Other Scholarships of North East Students from Their Concern States and

International Students from ICSR, Krantijyoti Savitribai Phule and Rajashree Chatrapati Shahu Scholarship, etc.

Dr. Sadhana Natu, HOD, Psychology has supported the following students:

Vijay Chotmal (2011-12) , SantoshBaghav(2011-13) , KrushnaKute(2102-15), AmrutaGagare (2012-15) , DeepaliKshirsagar(2012-15) (SachinUmate and SantoshJadhav (2013-16)

32. Details on student enrichment programmes (special lectures/workshops/seminar)

Sr. No	Activity	Resource Person/ Organization	Outcome
1	Careers after BA	Experts	Vocational goal setting
2	Careers in Social Work and Education	Alumni	Peer learning and information
3	Careers in Psychology	SachinShinde , Research Coordinator, Sangat , Goa	Information about latest career choices
4	Film Show	Schizophrenia Awareness Association	Greater awareness about mental disorders
5	Growing up Male	AnandPawar, Samyak, Activist	Gender sensitization of male students
6	Premarital Counselling	HOD	Empowerment of female students
7	Sexuality and gender	HOD, Disha Coordinators	Discussion on an important issue
8	Speak together for	HOD	Respect for

	students from North east states		diversity among all the students
9	Educational visits	Mental health organizations	Exposure to work settings
10	Visits to grassroots organizations	Activists and coordinators of SWACH	Understanding grassroots perspective
11	Film show on gender and violence followed by discussion	Disha members	Understanding of various aspects of gender violence
12	Displaying information on notice board	Students	Writing Skills are developed and information dissemination is done
13	Guest lectures by eminent Psychologists	Experts	Information about cutting edge and emerging fields obtained
14	Psy world	Students of Psychology	Training in testing, ppt and poster making on communication Psychology

33. Teaching methods adopted to improve student learning:

Within the classroom: Learner Centered Andragogy

Teaching Methods/ technique	Activity	Learning Outcome
Group Discussion	GDs on various topics	Attitudinal change, writing skill development
Self- learning	Thinking Skill workshops	Increase in general mental ability
Lecture - Demo	Presentation training	Learning oral and PPT presentation
Facilitative teaching	Class interaction, asking questions	Comprehension, analytical thinking
Use of web resources	Writing assignments, free listing	Term papers

Use of news items, advertisements, songs, AV resources	Analysis, discussion , writing	Conceptual clarity, application of fundamental concepts
Using psychological tests	Studying the manual	Administering, interpretation
Class tests, Open book tests	Quiz, Writing	Recall, Analytical ability, critical thinking
Bilingual approach	Interviews, discussion	Translation, Comprehension
Known to unknown	Introduction of various Learning resources- text, reference, encyclopedia, journal, dictionaries, e journals , web sites, archives, portals	Develop an understanding about Primary, secondary, tertiary learning material (sources, data)
Action learning- illustrations, case studies, narratives	Group work	Action plan

Co- curricular activity:**Disha: the Psychology Study Circle: Speak out, listen and grow together**

Disha is a platform that promotes diversity and functions as a Peer Support and Speak Out Group. The focus is on peer learning. Students of Arts, Science and Commerce are members. It helps them to validate their experience and creates a ripple effect. We use the trilingual formula of English, Marathi and Hindi.

The model:

Self (awareness, esteem, concept, confidence, assertiveness, care)

Interpersonal Relationships (love, listening skills, conflict, cooperation, team player, group work, inclusion)

Pro social behavior (other- oriented, respecting difference, inclusion, leadership as responsibility, shared social responsibility , exposure to social issues, volunteering, internships, placement)

Student coordinators are leaders and alumni are role models, teachers are facilitators.

Methods:

Discussions, Role plays, Visits, Interviews, discussions on short films, news items, posters, ads, web resources – www.apa.org, www.naopindia.net, Indian psychologists yahoo group debates, bulletin board material

Kaleidoscope: student journal: Widening our Circle of Influence

The journal helps students to voice their concerns in writing. Writing as catharsis, as research, as a narrative are journeys that we all take together. The journal is bilingual.

In the last five years the themes have been: Focus (ved), love (premved) and madness/ mental disorders (ved) , Life is beautiful, is life beautiful? , Colorful youth, the journey of life and media and Psychology.

Students learn several qualitative research methodology skills such as interview, narrative analysis, content analysis, secondary data analysis, survey and compiling, collating, resource analysis(news items,film , advertisements, songs) in this endeavor. They also learn writingskills and analysis. Students get to meet mental health professionals and other experts in their work settings.

They learn all forms of writing such as articles, analytical pieces, compiling statistics, poems, interviews and also the language of Psychology and academic Social Science.

Psy world: Psychology Fair: commemorating 100 years of psychology in India

Analysis of personality through drawing test and handwriting analysis

Power point presentations on Dispelling myths about mental disorders and about psychological counseling. A ppt on meditation along with a live counter to experience auditory meditation technique. Micro expression gallery with photographs of 30 students from multi- cultural back grounds and research on Micro expressions.Outcome : Making people aware about the applications of psychology (250 footfalls)

Research compendium: Mindscape

Abstracts and full length papers presented in National conferences YPC and Chikitsa are going to be published.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

In house

- Association with the College NSS Unit – organized a program by Tathapi Trust on Sexuality awareness
- HOD, Dept. of Psychology runs the Counselling Cell of the College and conducts Life Skills, Study Skills workshops for the students
- HOD, Dept. of Psychology is a Member of the Anti- Sexual harassment Cell of the college and was Chairperson of the Anti- ragging cell of the college.
- Member of the Student Welfare Committee of the college.

- Resource Person for several ISR activities of the college.
- Coordinator of College level Rotaract Club

Community

- Member of and a resource person for StreeMuktiAndolanSamparkSamitee(SMASS) a network of women's organizations in Pune City
 - Advisor to several CBOs working on the issues of health, mental health, youth and gender issues.
 - Conducted a Workshop on Gender and Mental Health for Domestic Violence victims under the aegis of AIDWA
- Students have also attended International women's day rallies conducted by SMASS , One Billion Rising , LokshahiUtsav, NAPM meet

35. SWOC analysis of the department and Future plans:

Sr. No	Strengths	Weaknesses	Opportunities	Challenges
1	Highly qualified Staff	Limited space for the department	Starting Lay Psychology Courses	Expansion in terms of space and programs
2	Working in varied sectors : academics, CBO research, corporate, therapy	Limited space for Counselling Cell	Starting Short term course on psycho social counseling	
2	Diversity amongst students	Running only UG department	Creating psychometric tests	Training diverse students
3	Repertoire of Andragogies	Limitations on the use of ICT	Creating more resource material for training and counselling	Enhancing the bridge course
4	Use of Needs assessment and skill mapping techniques		Collaboration with Social Science, Commerce and Science departments	Consolidating counseling services
5	Adequate infrastructure, books, journals, equipment, tests		Documenting Peer learning models	

Future Plans:

1. Consolidation of TYBA course and building up a good laboratory
2. Starting a course in Psychology for Lay persons

3. Starting the PG Diploma Course in Professional Skills in Clinical Counselling affiliated to SPPU
4. Preparing material (tests, modules, handbooks) on general mental ability, aptitude testing for Placement cell, Competitive examination centre of the college and various departments
5. Collaborative work with other departments, agencies
6. Collaborative research
7. Preparing a Handbook to lay out the mechanism of setting up, consolidating and monitoring Counselling Cells.
8. Participating in outreach programs of Bapu Trust
9. Helping departments of Social Science and languages in outreach, collaboration with CBOs.

Post accreditation improvements:

1. 4 research projects have been completed
2. Numerous publications
3. Consultancy
4. Students participation in National Conferences and students' research papers published
5. 5 issues of Kaleidoscope the student centric research journal have been brought out.

Notable Alumni:

SachinShinde- US Fulbright Fellow, currently selected for PhD program at London School of Tropical Medicine and works as a Research Coordinator at Sangat, Goa

HarshadaNaik, did PG diploma from Nottingham Trent University, UK and MSW , currently she works in Sangat, Goa as Team Lead

VaishnaviTokekar, Air Force Officer

RenukaPatankar, Clinical Psychologist in Nithyanand de-addiction centre

PriyamvadaRedican, Clinical Psychologist

PrashantKhandekar, Social Worker in an industry

RiteshPardeshi, Social Worker in Parivartan NGO

ShrishailBirajdar, Research and Training Officer in BARTI

PradnyaAnant, Industrial Psychologist

ArchanaPawar, MSW, Superintendent of Junnar Ashramshala

Evaluative Report Department of Sociology

1. Name of the Department: Department of Sociology

2. Year of establishment: 1992

3. Name of programme / courses: U.G.B.A. 1992-93
P.G.M.A. 2012-13

4. Names of Interdisciplinary courses and the departments / units involved:
Department of Commerce / Computer Science / Law College for interdisciplinary programmes, Human Rights, Cyber Security, Child Abuse.

5. Annual / semester / choice based credit system (programme wise):
Annual for U.G. (B.A.)
Choice based Credit System for P.G. (M.A.)

6. Courses in collaboration with other universities, industries, foreign institutions:

Sr. No.	NGO / Industry	Nature of Course.
01	Muskaan	Child abuse Course.
02	Gyaansetu	Soft skill development Programme
03	Tiss- women protection cell	Domestic Violence Guidance.
04	Ideas	Tribal handicraft Exhibition.
05	Abhinav farmers club	Kisaan student forum .

7. Number of Teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate professor	--	--
Assistant Professors	04	04

8. Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt. / Ph.D. / M.Phill. etc):
Academic Year 2015-16

Name	Qualification	Designation	Specialization	Experience (Yrs)
Dr. Jyoti Gangras.	M.A., Ph.D.	Head of the Department	Gender Studies & Education	24
Mr. Gandhale Rajkumar.	M.A., M. Phil., NET, Ph.D. (pursuing)	Assistant Professor	Globalization & Health	10

Mr. Padwal Ajit	M.A. NET(JRF)	Assistant. Professor	Sociology Of Development	02
Dr. Megha Deshpande	M.A. Ph.D.	Assistant. Professor	Theoretical Sociology	04

10. List of senior visiting Faculty:

Sr. No.	Name of Faculty	College / University.
01	Dr. Robin Tribhuvan	Director, Maharashtra Tribal Research Center, Pune
02	Dr. Balaji Kendre	Dept., of Sociology, Mumbai University.
03	Dr. Sudhir Yewale	Kalikadevi Arts, Commerce and Science college, Shirur, Kasar, Beed, Marathwada University.
04	Dr. Megha Deshpande	Savitribai Phule Pune University.

11) Percentage of lectures delivered and practical classes handled by**Temporary Faculty (Programme Wise):** 10%**12. Student – Teacher Ratio (Programme Wise):**UG 120:1
PG 40:1**13. Number of academic support staff (technical) and administrative staff:**
Sanctioned:2,Filled: 2**14. Qualifications of teaching faculty with Ph.D / M.Phil / P.G.**
Ph.D-02, M.Phil-01, P.G.-02**15. Number of faculty with ongoing projects from a) National b) International funding agencies:**
Board of College and University Development, Savitribai Phule Pune University.
Minor Research Project Completed. Sanctioned Grants-85,000/-**16. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:**
Board of College and University Development, Savitribai Phule Pune University.
Minor Research Project Completed. Sanctioned Grants-85,000/-**17. Research Centre / facility recognized by the University**
Proposal submitted to the University, for Research Center of M.Phil & Ph.D programme.

18. Publications.**18.1) Publication per faculty**

Faculty name	2011-12	2012-13	2013-14	2014-15	2015-16	Total
Dr. Jyoti Gagangras	00	02	05	03	03	15
Dr. Kharche Jayashree	00	02	03	00	00	05
Mr. Gandhale Rajkumar	00	00	01	00	00	01

18.2) Number of papers published in peer reviewed journals (national / international / district) by faculty and students**1) Dr. Jyoti Gagangras.**

Emerging Challenges regarding Women Empowerment. Department of Social Sciences, Tilak Maharashtra University, 10th April, 2013.

Challenges in Higher Education: Syllabus upgradation and Change. Department of Sociology, SPPU, 2012-13

Social Science Research Techniques & Methods 2014, Balbhim Arts Science and Commerce, Beed, UGC Sponsored National Seminar, 15th, 16th February 2014.

Status of Women Administrators in Pune University Jurisdiction, Modern College Ganeshkhind Pune, UGC Sponsored National Symposium, ISBN 978-81-928564-1-4, September 2013

Comparative Socio-Economic Survey of Women Lecturers in Pune City, Manipal University, International Conference on 'Social Entrepreneurship'- A Global Perspective, 29TH-31ST; January 2015

Contribution of Sociologist in Ideological Studies, Mahatma Basweshwar College Latur, National Seminar, "Discourse of Indian Sociological Thinkers : A Critical Review", 19 & 20 September 2014

A Sociological Study of Women Lecturers in Pune District : A Socio-Economic Perspective, Innovation : Leading the Revolution, International Journal of Advances in management Technology and Engineering Sciences. I.S.S.N.0. 2249-7455, Vol-IV, Issue-12, 12& 13 September 2016

Empowering Women Administrators, International Conference on : Women Studies & Social Sciences 2016, I.S.B.N. No. 978-93-84124-67-0, 3 to 5 march 2016

Empowering Women Administrators, International Conference on : Women Studies & Social Sciences 2016, I.S.S.N.N. No. 2395-0544, 3 to 5 march 2016.

Empowering Women Administrators, Carmel College, Goa, I.S.B.N. No. 978-93-84124-67-0 , 3to5 march 2016.

Empowering Women Administrators: Study of Women Administrators in Pune University Jurisdiction, Carmel College, Goa, I.S.S.N.N. No. 2395-0544, 3to5 march 2016.

2) Gandhale Rajkumar

- Poor enrolment of girl students from Sugarcane cutter families in Education, Proceedings of National Symposium on ‘Empowering Women in Higher Education Institutions’, ISBN 978-81-928564-1-4, 26th & 27th Sept, 2013

3) Dr. Kharche Jayashree .

- Putting Tribal Artisans First: Sustainable Development Strategies, Pragati College of arts and Commerce, Dombivli, Two days National Conference on ‘Economic Reform Policies (ERP) for sustainable Development’, 22nd -23rd Feb., 2013.

An Initiative of Campus Entrepreneurial Effort : A Review of Vividhaa: an exhibition cum sale, Faculty of Commerce, Modern College, Gk, Pune, Two day National Conference on ‘ Emerging Trends in Entrepreneurship : A Global Perspective’, 1st -2nd Feb , 2013

- Seasonal Migration of Bonded Brick Kiln Laborers : An Educational Hurdle To Female children, Proceedings of National Symposium on ‘Empowering Women in Higher Education Institutions’, ISBN 978-81-928564-1-4, 26th & 27th Sept, 2013
- Child Labour and Rights Issues: A study of migrant labourers, ISBN 93-5056-444-0, 2013-14

18.3) Chapter in Books

1) Dr. Jyoti Gagangras.

Social Problems and Development Issues of Youth, Socio-Economic Status of Women Lecturers in Pune University Jurisdiction : A Survey, ISBN: 93-5056-449-1, 2013-14.

2) Dr. Kharche Jayashree

Tribal Youth Associations and Organizations: A Potential Base for Development, Social Problems and Development Issues of Youth, Discovery Publishing House, New Delhi, ISBN: 93-5056-449-1, 2014

The Sorrow of Losing the Joy of being a Youth: Case studies of Laborers in Unorganized sector, Social Problems and Development Issues of Youth, Discovery Publishing House, New Delhi, ISBN: 93-5056-449-1, 2014

Red Light: Black Life- A Study of Female Sex Workers, Social Problems and Development Issues of Youth, Discovery Publishing House, New Delhi, ISBN: 93-5056-449-1, 2014

Warli Youth and Toddy Consumption Rituals, Social Problems and Development Issues of Youth, Discovery Publishing House, New Delhi, ISBN: 93-5056-449-1, 2014

Health, Nutritional and Compensation Issues of Stone Quarry Workers , Social Problems and Development Issues of Youth, Discovery Publishing House, New Delhi, ISBN: 93-5056-449-1, 2014

18.4) Books with ISBN / ISSN numbers with details of publishers.

1) Dr. Jyoti Gagangras.

Introduction to Sociology, Nirali Publication Pune, ISBN 936352502-9, 2013-14.

Samajshasreacha Parichay, Nirali Publication Pune, ISBN 936352502-9, 2013-14.

Population & Society, Nirali Publication Pune , ISBN-935164089-2, 2014-15

19. Areas of consultancy and income generated

Sr. No.	Faculty	Consultancy / Areas of Expertise	Fund generated (INR)
01	Dr. Jyoti S. Gagangras	1) Sociology of Gender 2) Sociology of Education 3) Personality Development 4) Women Empowerment 5) Expertise in Extension Activities	Volunteer basis.
02	Mr. Gandhale Rajkumar	NET / SET, Globalization & Health	

03	Dr. Medha Deshpande	Research Methodology, Theoretical Sociology	
04	Mr. Padwal Ajit	NET / SET / MPSC / UPSC, Sociology Of Development	

20. Faculty as members in,**20.1) National Committees**

Faculty	Committee	Mode of membership
Dr. Jyoti Gagangras.	Indian Sociological Society	Life member
	Marathi Samajshastra Parishad	Life member
	Maharashtra StriAbhyas Parishad	Life member

20.2) Editorial Boards

Faculty	Journal / committee	Title	Designation
Dr. Jyoti Gagangras.	Marathi Samajshastra Parishad	Special issue on late, Dr. Sharmila Rege. (Ex. Director KSPWSC-SPPU)	Guest- Editor

21. Student Projects

A) Percentage of students who have done In-house projects including inter departmental / Programme

Academic year	Title	Total number of students	Students done project	Percentage
2012-13	Socio- economic survey of “Garade village”	30	20	66.66 %
2013-14	Socio- political survey of “Garade village”	40	30	75 %
	Dissertation	12	11	91.66

B. Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies (N.G.O.) 10 %

22. Award / Recognitions received by faculty and students

A) By faculty

Faculty Name	Award	Academic Year	Awarding institution
Dr. Jyoti Gagangras.	PhD	2012-13	TMV
	Bharat Jyoti (National Award)	2012-13	India International Friend Society

	Educational and social achievement		29 th August, 2012 New Delhi.
	Educational Achievement Award on Gudi Padwa 31 March 2014	2013-14	Progressive Education Society
GandhaleRajkumar.	M. Phil	2011-12	
	Blib.	2011-12	
	M.lib& isc	2012-13	Bharativedyapeeth, pune, 2012
	UGC NET	2014-15	UGC
	Ph.D (persuing)	2014-15	Tilak Maharashtra Vidyapith
Dr. Jayashree K.	Ph.D	2012-13	Tilak Maharashtra Vidyapith
Mr. AjitPadwal.	UGC JRF	2014-15	UGC

B) BY STUDENTS

Student Name	Award	Academic Year	Awarding institution
Jayashree Kharche.	Ph.D	2012-13	TMV
Ajit Padwal.	UGC NET	2013-14	UGC
	UGC JRF	2014-15	UGC
Sandip Patil.	UGC NET	2014-15	UGC
Tejaswini Mule .	Received Shivachtrapati Award.	2013-14	State govt. Of maharashtra
Dipali Shildenkar	Received Shivachtrapati Award.	2015-16	State govt. Of maharashtra
Rajkumar Kambale	Paper presenred at STATE level conference	10-01-2016	Nagari Samajasamoril Aavhane”, at Shivaji Vidyapeeth Samajshatra Parishad, Shivaji College ,Satara.
Rajkumar Kambale	Paper presenred at STATE level conference	27-02-2016	Shaikshnik Magaslepan – Gramin Mahila”, at Shivneri Mahavidyalaya, Swami Ramanand Tirth Marathwada Vidyapeeth, Latur
SY and TY BA Sociology Students	Won 1 st prize.	2015-16	Street Play Compitition , Vividha, Modern Collge , Ganeshkhind.

23. List of eminent academicians and scientist / visitors to the department:

Sr No.	Name	College / univ.	Title	Date
01	Dr. Sudhanshu Gore	S.P. College. Pune	Population and Society	11-07-2011
02	Dr. Dhananjay Lokhande	Savitribai Phule Pune University.	Population problems in India	11-07-2011
03	Dr. Shruti Tambe	Savitribai Phule Pune University.	Interdisciplinary Approach in society	24-09-2011
04	Mrs. Jostna Chandgude		Women's Empowerment	24-09-2011
05	Mrs. Amruta Deshpande		Women's Empowerment	24-09-2011
06	Dr. Gautam Bhong	Savitribai Phule Pune University.	Careers in social Sciences	17-12-2011
07	Dr. Aparna Sabane		Krantijoti Savitribai Phule	09-01-2012
08	Jyoti Mungase	Hrudayajyot Mitra	How to take care of your Heart	09-01-2012
09	Prin. Dr. Archana Dhekane	Hujurpaga Girls College, Pune	Streeek Shakti	13-08-2012
10	Sneha Gole	Savitribai Phule Pune University.	Savitribai Phule	10-01-2013
11	Dr. Raja Dixit	Savitribai Phule Pune University.	Aantarvidyashakhiyabhyasachyadisha	06-12-2013
12	Dr. Shruti Tambe	Savitribai Phule Pune University.	SamajshastrachiAantarvidyashakhiyabhyasatilbhumika.	06-12-2013
13	Dr. Ravindra Jaybhaye	Savitribai Phule Pune University.	World Population Day programme	11-07-2013

14	Dr. Robin Tribhuvan.	Director, Maharashtra Tribal Research Center	Social Anthropology	
15	Dr. D.N. Dhanagare	Ex. V.C. Shivaji University, Kolhapur	Higher Education and New University Act	9th Feb 2016
16	Dr. V.N. Narkhede	Joint Director of Higher Education Directorate, State Govt. of Maharashtra	Violence against Women	25th 2016
17	Dr. Kranti Dabir	Social Worker	Violence against Women	25th 2016

24. Seminars / conferences / workshops organized & the source of funding:

Sr no	Activity	Title	Funding source	Year
01	Seminar	“Antarvidyashakhiya Abhyasachya Disha”	U.G.C., B.C.U.D. and Self - Funded	2012-13
02	Workshop	Quality Enhancement Workshop –		2012-13
03	Seminar	State level seminar on Methodology for Students for PG		2012-13
04	Workshop	N.G.O. Workshop		2013-15
05	National Seminar	Empowering Women in Higher Education Institutes.		2013-14

25. Student profile programme / course wise:

25.1) Interdisciplinary Programmes. (Sociology)

Name of the Course/programme (refer question no. 4)	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
Human Right & Cyber Security & Skill Based Courses	2013-14	37	37	22	15	100 %
	2014-15	57	57	32	25	100 %
	2015-16	56	56	28	28	Result awaited

*M=Male *F=Female

25.2) Undergraduate Course: B.A. (Sociology)

Name of the Course/pro programme (refer question no. 4)	Academic Year	Admissions in FYBA	TYBA Students strength	Enrolled		Pass percentage
				*M	*F	
TYBA	2011-12	91	28	15	13	100
	2012-13	169	29	19	10	96.55
	2013-14	185	39	24	15	94.87
	2014-15	248	34	15	19	97.05
	2015-16	264	35	26	09	Result awaited

*M=Male *F=Female

25.3) Post-graduate Course: M.A. (Sociology)

Name of the Course/pro programme (refer question no. 4)	Academic Year	Admissions in MA -1	MA-II Students strength	Enrolled		Pass percentage
				*M	*F	
MA	2012-13		-----	----	----	-----
	2013-14	26	17	10	07	81.81
	2014-15	38	19	12	07	88.88
	2015-16	28	27	15	12	Result awaited

*M=Male *F=Female

26. Diversity of Students. (For total Arts Faculty)

YEAR	CLASS	SAME STATE			OUTSIDE STATE			FOREIGN STUDENT			GRAND TOTAL
		F	M	T	F	M	T	F	M	T	
2011-12	FYBA	52	137	189	02	02	04	--	01	01	194
	SYBA	64	95	159	--	02	02	--	--	--	161
	TYBA	51	59	110	01	01	02	--	--	--	112
2012-13	FYBA	79	157	236	04	05	09	01	01	02	247
	SYBA	40	87	127	13	16	29	01	--	01	157
	TYBA	47	62	109	02	02	04	--	--	--	113
2013-14	FYBA	64	153	217	16	22	38	--	--	--	255
	SYBA	47	94	141	02	09	11	--	01	01	153
	TYBA	38	61	99	11	14	25	01	--	01	125
2014-15	FYBA	98	209	307	13	18	31	02	11	13	351

2015-16	SYBA	45	91	136	08	13	21	--	--	--	157
	TYBA	47	84	131	04	07	11	--	01	01	143
	FYBA	125	216	341	11	25	36	--	02	02	379
	SYBA	73	108	181	11	11	22	--	--	--	203
	TYBA	40	74	114	12	07	19	--	--	--	133

Students From Maharashtra State : 90.07 %

Students Out of Maharashtra: 09.15%

International Students : 0.76%

27. How many students have cleared national and state competitive examinations such as NET, Civil Services:

Student Name	Exam	Academic Year	Awarding Institution
Khaire Manoj.	UGC NET	2011-12	UGC
Ajit Padwal.	UGC NET	2013-14	UGC
	UGC JRF	2014-15	UGC
Sandip Patil.	UGC NET	2014-15	UGC

28. Student Progression:

Student Progression	Against % Enrolled
UG to PG	30%
PG to M.Phil.	02%
PG to Ph.D.	05%
Ph.D.to Post-Doctoral	---
Employed • Campus selection • Other than campus recruitment	5 % 20%
Entrepreneurship/Self-employment	5 %

Department of Sociology- Alumni Achievement

Student Name	Profession	Work Place
JyotiMungase	Social Worker	NGO
Dr. Kharche J.	Assistant. Professor	Modern College, Pune 16
Padwal Ajit	Assistant. Professor	Modern College, Pune 16
Patil Sandip	Assistant. Professor	Shahu College, Latur.

Khaire Manoj	Businessman	Pune
Tejaswini Mule	Shivachatrapati Awardee. 2013-14	Government of Maharashtra
Misal Digambar	Hostel Rector	Modern Highschool, Pune
Jayashree Danke	Assistant. Professor	Arvind Telang College, Pune
Balwadkar Chetan	Lawyer	Pune Court.
Milind kale	Police Service	Pune Police.
Sudhir Ghule	Police Service	Pune Police.
Atul Jadhav	Highschool Teacher	Pune
Dipali Shildenkar	Shivachatrapati Awardee. 2015-16	Government of Maharashtra
Vaishali Bhosale	Social Worker	NGO
Suvarna Jagtap	Social Worker	NGO
Pravin Ghule	Social Worker	NGO

29. Details of Infrastructural facilities

A) Library (Central and Departmental library available)

B) Internet facilities for Staff and Students

Yes Internet Facility Provided to Staff & Students.

C) Classrooms with ICT

Yes I.C.T. facility available in the Department.

Facility type	Sub type / Nature	Quantity / remark
Departmental Library	Academic Books	240
	Journals	4
	General Books	50
Central Library	Academic Books	770 (amt
	Journals	02,14,430/-)
	Extra Reading Books	05
Membership to Other Libraries	Jaykar Library- SPPU	Available
	British Council Library	
Online Library	Infonet	Available
	Delnet	
	Doaj	
Computer	Desktop	01
LCD	Available	05 (Each Class Room)
Projector	Available	05 (Each Class Room)
Separate Department	Available	01
Internet facility	Available	Available

30. Number of students receiving financial assistance from college, university, government or other agencies:

Assistance from college, university, government (Common Information For Arts Faculty)

40% Students Received Scholarships and Freeships

SC /ST/OBC/DT/NT/OBC/SBC by Department of Social Welfare

Government of Maharashtra & Other Scholarships of North East Students from Their Concern States and

International Students from ICSR, Krantijyoti Savitribai Phule and Rajashree Chatrapati Shahu Scholarship, etc.

31. Details on student enrichment programme (special lectures / workshops / seminar) with external experts:

Year	Title	Expertee	Duration and date	Level
2012-13	Social Sciences – History, Sociology and Economics Departments – “AntarvidyashakhiyaAbhyasachyaDisha”	Dr. Shruti Tambe. (Savitribai Phule Pune University)	One Day	District Level (For PG)
	Quality Enhancement Workshop	Dr. Raja Dixit	One Day - 16 April, 2013	PG Level
	District level seminar on methodology	Dr. Balaji Kendre	4 th week of Dec 2014	PG Level
2014-15	WORKSHOP			For UG & PG
	Women & Child Development Cell, Pune Police	Ms. Vaishali Ranade	Throughout Academic Year	
	Alochana /Muskan N.G.O	Ms. Kranti Dabir	2014-15	
	Ideas & Maharashtra Tribal Research Centre	Dr. Tribhuvan Robin		
2015-16	Basic Computer Operations & Security 101	Ashwan (Pune OS) Jamshed Shelly	11&12 December 2015	For Teaching Staff

32. Teaching method adopted to improve student learning.

Sr No	Teaching Method	Title / Place	Year
01	Field work	Socio-economic Survey of Garade Village	2012-13

		Garade gaon , pune.	
		Socio- political survey of Village Garade	2013-14
		Garade gaon , pune.	26 to 28 December, 2013
02	Book review	College	2014-15
03	Group discussion	College	2014-15
	Group discussion	Displacement Due to Development (AT college)	03rd September 2015
04	Assignment	College	2012-15
05	Educational visits	----	2011-12
		Tribal Research & Training Institute & Remand Home for Boys – Old Age Homes	2012-13
		Remand Home, Shivaji Nagar Pune 05.	Aug & Sept- 2013
		Maharashtra Tribal Research Center	2013-14
		Deccan College & Raja Kelkar Museum	2014-15
		Ralegaon Siddhi , Hivare Bajar Study Tour	(August 2014)
		Muktangan,Tulapur&Agakhan Palace	2014-15
		Obsarvation Center, Shivaji Nagar	(7 February 2015)
		Domestic Violence Counseling Centre, S.P.Office, Pune	7th Sep 2015
		Eravati Karve Museum (Savitribai Phule Pune University.)	17th Oct 2015
06	Quiz (MCQ)	College	31st Oct 2015
07	PPT presentation	College	29th Feb 2016
08	Surprise test	College	
09	Exhibition	Tribal handicraft exhibition	2012-13
		Tribal Handicraft Exhibition	December – 2013
		KisanVidyarthi Palak Melava	13 th & 14 th October 2014
10	Workshop	Women & Child Development Cell Pune Police	2014-15
		Alochana /Muskan N.G.O	

33. Participation in Institutional Social Responsibility (ISR) and extension activities

Sr no	Activity	Place	Year
01	Tribal Handicraft Exhibition-	Modern college,	Dec 2013

	Sociology Dept	Ganeshkhind, Pune	
02	Old Age Home visit	Nivara, Deccan, Pune	2013
03	Kargil Shaurya Gatha- Lakshya Foundation (Salute to Indian Army)	Modern college, Ganeshkhind,Pune	January 2015
04	Stall provision to “Dyana Prabhodhini’s- Dyana Setu” in VIVIDHA	Modern college, Ganeshkhind ,Pune	29 th January 2015
05	Provided stall to “Gurukul”, in VIVIDHA	Modern college, Ganeshkhind	29 th January 2015
06	Health & Environmental Rally	College to Pashan	January 2014 & 2015

34. Faculty contribution to college / university / other institutions:

34.1) contribution to university and other institutions

Name	Designation	Work	Year
Dr. Jyoti Gagangras.	(coordinator	World Population Day Programme.Krantijyoti Savitribai Phule Programme.	2011-12
	Resource Person : QIP UOP Workshop	Arvind Telang College Akurdi	
	Judge	For Paper Presentation Competition organized by Marathi Samajshatra Parishad (19 th & 20 th January, 2013, at Kolhapur	2012-13
	Resource Person and Chief Guest	Blood group and Haemoglobin testing camp, Burhannagar, Ahamadnagar, 21 /02/ 2013	
	Judge	Essay Competition on Women Foeticide organized by Laxminarayan Griharchana Sanstha on 11/ 03/ 2013	
	Judge	Judge: Debate and Elocution Competition organized by C.T. Bora College, Shirur. – 14/ 9/ 2013	
	Resource Person	One day Workshop – Topic – Health and Women Empowerment – Organised by Modern College , Ganeshkhind, 12/03/2013	
	Chair person	FYBA syllabus	
	Member	MA Syllabus	
Dr. Jyoti Gagangras.	Judge	for Paper Presentation Marathi Samajshasra Parishad 18 &19 Jan 2014 At Aurangabad	2013-
	External Referee:	At Social Science Department Bharati	

		Vidyapeeth Deemed University 2013-14	14
	Judge	For Ph.D. Viva-Voce & Ph.D. Entrance test.2013-14	
	External referee:	AbedaInamdar College for M.A.Sociology Course 2013-14	
	Subject Expert:	AbedaInamdar Senior College, 14 th June, 2013	
	Resource Person	One day workshop organized by Shiv Chatrapati Art's and Commerce College, Wadgaon (Bk) , Pune on Women Empowerment and Female Feticide, on 30 th September, 2013.	
	Resource Person	One day workshop organized by Arts and Commerce College, Warje, Pune on ' Personality Development' on 7 th January , 2014.	
	Member	One day workshop on 'Guidelines for New Syllabus of MA (Sem I to Sem IV)' Organized by Dept of Sociology, Abeda Inamdar sr. College on 3 rd October , 2013	
	Chair person	for FYBA revised syllabus	2013-14
	Member	and for MA revised Syllabus	
	Judge	25 Marathi Samajshastra Parishad . 26 & 27 December 2014	2014-15
	Referee	Bharati Veedyapeeth, Department of Social Sciences & Social work.30&2 March 2015	
	coordinator	Arts Faculty (Values Reflected through Indian Constitution), Adult Education Department S.P.P.U.	
	coordinator	Faculty Development program for Social science teachers, UGC Academic Staff College, SPPU	
	Member	UGC Academic Staff College, SPPU	
	Member	Workshop on New Syllabus S.Y.B.A.(Sociology) SP college ,pune -30. 24 sep 2014	
MR. Gandhale Rajkumar.	Samantrak	YCMOU University.	2011-12
	Samantrak	YCMOU University.	2012-13
	Member	One day workshop on 'Guidelines for New Syllabus of MA (Sem I to Sem IV)' Organized by Dept of Sociology,	2013-14

		Abeda Inamdar sr. College on 3 rd October , 2013	
Dr. Kharche Jayashree.	Member	One day workshop on ‘Guidelines for New Syllabus of MA (Sem I to Sem IV)’ Organized by Dept of Sociology, Abeda Inamdar sr. College on 3 rd October , 2013	2013-14

34.2) Contribution to Social Cause (Financial) :

Name	Designation	Work	Year
Dr. Jyoti Gangangras.	Head of the Department, Department of Sociology.	Vidyarthi Sahayak Samiti 5000/-	2011-12
		Vidyarthi Sahayak Samiti	2012-13
		5000/- TO Vidyarthi Sahayak Samiti	2013-14
		Vidyarthi Sahayak Samiti (Fund Generated Up to 35000/-)for Bone Marrow Surgery on Aarati Saravade	2015-15
		(Vidyarthi Sahayak Samiti) 5000	2014-15
		NAM Foundation 5000/-	2015-16

Sudhir Gangavane, Santosh Jadhav and Sachin Umate these students are benefitted by “Vidyarthi Sahayak Samiti ” Donations.

35. Strengths, weakness and challenges of Department:

A) Strengths :

- 1) Well Qualified Staff.
- 2) Separate department with infrastructures.
- 3) Departmental library.
- 4) Students from other States and International.
- 5) Value based education and programme.
- 6) Students from diverse backgrounds.
- 7) Student enhancement programmes.
- 8) Popular subject among students for Under Graduate Level
- 9) Use of ICT in teaching.
- 10) Large number of Students participation in Social Activities.
- 11) Collaboration with NGOs and Institutions.

B) Weakness :

- 1) To Improve research activities among students.
- 2) To Enhance Academic results among PG students.

C) Challenges :

- 1) To strengthen students to face the global challenges.
- 2) To develop dialogue and interaction with different NGO's.

- 3) To motivate students for Consultancy Programmes and to generate funds.

D) Opportunities:

- 1) Field of Research on various Social issues.
- 2) Government Sectors.
- 3) NGO's and Private Sector.
- 4) Teaching and Administration.
- 5) Print and Electronic Media.

Road map :

- 1) To Start Research Center for M.Phil and Ph.D. in Sociology
- 2) To start Certificate Courses in Journalism & Social Welfare.
- 3) Write proposals to U.G.C. & I.C.S.S.R. Minor and Major Research Project on Different Social Issues.
- 4) Keen to develop atmosphere for collaborative research.

- Department Profile** : B. Voc.
1. **Name of the Department** : Bachelor of Vocational (B. Voc.)
2. **Year of establishment** : June 2014
3. **Names of programmes / courses offered** :

Levels of Awards

The certification levels will lead to Diploma/Advanced Diploma/B. Voc. Degree in one or more vocational areas and will be offered under the aegis of the University.

Sr. No.	Level	Programmes offered (Multiple exits) for under graduate level
1	UG	First year B. Voc. Food Processing Technology (Diploma)
		Second Year B. Voc. Food Processing Technology (Advanced Diploma)
		Third Year B. Voc. Food Processing Technology (Bachelor of Vocational)
2	UG	First year B. Voc. Green House Technology (Diploma)
		Second Year B. Voc. Green House Technology (Advanced Diploma)
		Third Year B. Voc. Green House Technology (Bachelor of Vocational)

Sr. No.	Award	Duration	Corresponding NSQF level
1	Diploma	1 Year	5
2	Advanced Diploma	2 Year	6
3	B.Voc. Degree	3 Year	7

B. Voc. affiliated under Savitribai Phule Pune University, Pune.

4. **Names of Interdisciplinary courses and Departments/ Units involved:** Yes

- Department of Biotechnology
- Department of Botany
- Department of Political Science
- Department of English
- Department of Computer Science
- Department of Microbiology
- Department of Statistic

5. **Annual/ Semester/Choice based credit system (Program wise): Semester (Credit System)**

Sr. No.	Level	Programmes offered	Annual/ Semester/ Choice based Credit system
1.	UG	F.Y.B. Voc. Food Processing Technology	Semester, Credit system
		S.Y.B. Voc. Food Processing Technology	
		T.Y. B. Voc. Food Processing Technology	
2.	UG	F.Y. B. Voc. Green House Technology	Semester, Credit system
		S.Y. B. Voc. Green House Technology	
		T.Y. B. Voc. Green House Technology	

6. **Participation of the department in the course offered by other departments:**
Yes

7. **Courses in collaboration with other universities, industries, foreign institutions, etc. :**

- a. Gits Foods pvt. Ltd. Pune
- b. Indian Green house Pvt. Ltd-Talegoan Dhabhade Pune

8. **Details of courses or programme discontinued, if any, with reasons:** No

9. **Number of teaching posts sanctioned, filled and actual:**

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	-	-	-
Associate Professors	1	-	-
Asst. Professors	2	1	-
Others (Ad-hoc faculty)	-	-	-
Clock Hour Basis	-	13	-

10. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

List of faculty (2014-2015)

Sr. No.	Name	Qualification	Designation	Special Subject	Exp. yrs
1	Dr. Sanjay S. Kharat	M.Sc., Ph.D., LLB, MBA	Principal	Fishery Science	25

2	Dr. Geeta Morwal	M. Sc., Ph.D., M.B.A., D.I.T.	Co-Ordinator	Plant Biotechnology	12
3	Sheetal Oswal	M. Sc. Food Science and Nutrition, SET, Diploma in Industrial and Analytical Chemistry	Assistant professor	Food Science and Nutrition	9
4	Vaishali Randive	M. Sc. Microbiology SET	Assistant professor Dept. of Biotechnology	Microbiology	10
5	Shampa Chakraborty	M.A. English M. Phil	Associate professor Dept. of English	Communication skills and technical English	28
6	Gauri Kopardikar	M.A. Political Science, NET	Assistant Professor Dept. of Political Science	Value Education	6
7	Snehal Gagare	M.Sc. Biotechnology NET, SET, GATE, PET (Mumbai)	Assistant professor Dept. of Biotechnology	Biotechnology	3
8	Manali Deshmukh	M.Sc. Botany	Dept. of Botany (C.H.B)	Plant Biotechnology	5
9	Shraddha Velhal	M. Tech. Food Processing and Engineering	C.H.B	Food Processing	2
10	Mrunal Damle	M.Sc. Botany	C.H.B.	Genetics	3
11	Jayashree Khadilkar	M.Sc. Microbiology	C.H.B.	Microbiology	1
12	Tushar Khare	M.Sc. Biotechnology	C.H.B.	Biotechnology	1
13	Rutuja Khonde	M.Sc. Biotechnology NET	Assistant professor Dept. of Biotechnology	Biotechnology	2
14	Niket Tajane	M.C.A.	Associate professor Dept. of Computer Science	Computer Applications	4

15	Shubhada Shintre	M.Sc. Microbiology Diploma Entrepreneurship	C.H.B.	Microbiology	20
16	Tushar Khare	M.Sc. Biotechnology	C.H.B.	Biotechnology	2
17	Shraddha Adsul	M.Sc. Food Science and Nutrition, NET	C.H.B.	Food Science and Nutrition	6
18	Bhairavi Thosar	M.Sc. Food Science and Nutrition, NET	C.H.B.	Food Science and Nutrition	6
19	Purnima Chitlange	M.Sc. Microbiology Pursuing Ph.D.	C.H.B.	Microbiology	2
20	Devashree Vaidya	M.Sc. Nutrition and Food Processing, SET Pursuing Ph.D.	C.H.B.	Food Science and Nutrition	4
21	Mr. Sagar Kanekar	M.Sc. Microbiology PhD Thesis submitted	C.H.B.	Microbiology	1
22	Dr. Smital Pawar	PhD in English	C.H.B.	English	4

11. List of Senior Visiting faculty:

Sr. No.	Name	Qualification	Designation	Special Subject	Exp. Years
1	Shubhada Shintre	M.Sc. Microbiology Diploma Entrepreneurship	C.H.B.	Microbiology	20

12. Percentage of classes taken by temporary faculty – programme-wise information Academic year- 2014-15

		% of Classes by C.H.B		% of Classes by Permanent faculty	
2014-2015 Course- Food processing Technology					
	Class	Theory	Practical	Theory	Practical
1	F.Y. B. Voc	-	-	100	100
2014-2015 Course- Green House Technology					
1	F. Y. B. Voc.	50	50	50	50
2015-2016 Course- Food processing Technology					
1	F. Y. B. Voc.	60	60	40	40
2	S. Y. B. Voc.	50	50	50	50

13. Programme-wise Student Teacher Ratio :

Sr. No.	Subject	Strength	Faculty		Student : Teacher Ratio	
			Theory	Practical	Theory	Practical
	2014-2015 Course- Food processing Technology					
1	F.Y. B.Voc	32	1	1	32:1	32:1
	2014-2015 Course- Green House Technology					
2	F.Y. B.Voc	1	1	1	1: 1	1: 1
	2015-2016 Course- Food processing Technology					
3	F.Y. B.Voc	36	1	1	36:1	36:2
4	S.Y. B.Voc	24	1	1	24:1	24:1

14. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Sr. No.	Year	Number of non-teaching staff					
		Peon		Lab assistant		Administrative staff	
		Sanctioned	Filled	Sanctioned	Filled	Sanctioned	Filled
1	2014-15	-	0	-	0	-	0
2	2015-16	-	1	-	0	-	0

15. Qualification of teaching faculty :

Sr. No.	Name	Qualification	Exp. years
1	Dr. Sanjay S. Kharat	M.Sc., Ph.D., LLB, MBA	25
2	Dr. Geeta Morwal	M.Sc., Ph.D., M.B.A., D.I.T.	12
3	Sheetal Oswal	M.Sc. Food Science and Nutrition SET, Diploma in Industrial and Analytical Chemistry	9
4	Vaishali Randive	M.Sc. Microbiology SET	10
5	Shampa Chakraborty	M.A. English	30
6	Dr. Gauri Kopardikar	M.A. Sociology	6
7	Snehal Gagare	M.Sc. Biotechnology NET, SET, GATE, PET (Mumbai)	3
8	Manali Deshmukh	M.Sc. Botany	5
9	Shraddha Velhal	M.Tech. Food Processing & Eng	2
10	Mrunal Damle	M.Sc. Botany	3
11	Jayashree Khadilkar	M.Sc. Microbiology	1
12	Tushar Khare	M.Sc. Biotechnology	1
13	Rutuja Khonde	M.Sc. Biotechnology NET	2
14	Niket Tajane	M.C.A.	4

15	Shubhada Shintre	M.Sc. Microbiology Diploma Entrepreneurship	20
16	Tushar Khare	M.Sc. Biotechnology	2
17	Shraddha Adsul	M.Sc. Food Science and Nutrition, NET	6
18	Bhairavi Thosar	M.Sc. Food Science and Nutrition, NET	6
19	Purnima Chitlange	M.Sc. Microbiology Pursuing Ph.D.	2
20	Devashree Vaidya	M.Sc. Nutrition and Food Processing, SET Pursuing Ph.D.	4
21	Mr. Sagar Kanekar	M.Sc. Microbiology PhD Thesis submitted	1
22	Dr. Smital Pawar	PhD in English	4

16. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

➤ Faculty : Dr. Geeta Morwal

- Title of Research Projects : Micro propagation and preservation of Vanilla an Orchid
- Funding Agency : BCUD
- Amount Sanctioned (Rs) Rs 2.70 lakh

17. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, CSSR, AICTE, etc. total grants received.

Received 1.85 Cr from UGC to start B. Voc. course under NSQF

18. Research centre facility recognized by the University: Nil

Publications: Publication per faculty: Nil, Number of papers published in peer reviewed journals (national / International) by faculty and students:

Publication	Mrs. Shampa Charoborty	Dr. Geeta Morwal	Mrs. Gauri Koperd ekar	Mr. Tushar Khare	Mr. Niket Tajne	Total
Journal International	3	1	1	3	-	8
Journal national		1				1
International conference/seminar/symposium	4	-	-	1	1	6
national conference/seminar/symposium	2	1	2	3	1	9
State/regional conference/seminar		2	-	2	2	6
Total						30

19. **Areas of consultancy and income generated :** NIL

20. **Faculty as a member in:**

21. **Student projects: Students from B. Voc. Food Processing Technology and B. Voc. Green House Technology have completed Industry Training** (minimum 90 hours per semester)

List of Industries where students have completed Industry Training during academic year 2014-2015 and 2015-2016.

Sr. No.	Name of the company	Name of the company	Name of the company	Name of the company
1	Samapda Milk processors	Sahara Agro Pvt. Ltd.	Kate Food Pvt. Ltd.	Suhana Masala
2	STK Pvt. Ltd.	Laxmi Water Industries	Mapro Foods	Venky's Nutrition
3	Babli Food Products	Rocher Ferrero	Sheetal Industries	Katraj Dairy
4	Maganlal Food Products	Pratik Masale	Parle Agro	New Era Foundation
5	Gokul Dairy	Dnyanraj Agro Industry	Sriniwas Foods	Bisleri
6	Radheshyam Foods	Aloe Fresh	Asian Bakers	Rich Fresh Mineral water
7	Parag Milk food Pvt. Ltd.	Prabhat Dairy Limited	Coca Cola	National Institute of Green House Technology

22. **Awards /recognitions received at the national and international level by Faculty-** NIL, Students – NIL

23. **List of eminent academicians and scientists/visitors to the department:**

- Dr. S. M. Naikare, President- Association of Food Scientists and Technologists, India (Pune Chapter)
- Dr. Satyanarayan, Retired scientist from Tetrapak, Pune.
- Mr. Vilas Atal, Managing Director, Pyramid Icecream, Pune.

24. **Seminars/Conferences/Workshops organized and the source of funding:** NIL

25. **Areas of consultancy and income generated : NIL**

26. **Faculty as a member in:**

- a) Mrs. Sheetal Oswal, Member of association of food scientist and technologist (AFST)

26. **Student profile programme/ course wise:**

Academic year 2014-2015					
Name of the course/ programme	Applicat ions received	Selected	Enrolled		Percentag e of Pass
			Male	Female	
F.Y. B. Voc. Food Processing Technology	52	31	20	11	89
F.Y. B. Voc. Green House Technology	9	2	1	1	100
Academic year 2015-2016					
F.Y. B. Voc. Food Processing Technology	82	36	27	9	89
S.Y.B.Voc. Food Processing Technology	24	24	13	11	92

27. **Diversity of students:**

Name of course	Acade mic year	% of Students from same state	% of Students from other States	% of Students from abroad
F.Y. B. Voc. Food Processing Technology	2014-2015	100	0	0
F.Y. B. Voc. Green House Technology		100	0	0
F.Y. B. Voc. Food Processing Technology	2015-2016	100	0	0
S.Y.B. Voc. Food Processing Technology		100	0	0

28. **How many students have cleared National and State competitive examinations such as NET, SET, GATE, Civil Services and Defense Services examinations, etc.: Nil**

29. Student progression (Percentage against enrolled): N.A.

Student progression	Against % Enrollment
UG to PG	-
PG to M.Phil.	-
P.G. Ph.D.	-
Ph.D. to Post Doctoral	-
Employed	-
• Campus selection	
• Other than Campus recruitment	
Entrepreneurship / Self Employment	-

30. Details of Infrastructural facilities:

- a) Library- Central Library Facility
- b) Internet facility for staff and students- 1 Computer
- c) Class room with ICT facility- Projector
- d) Laboratories- Two laboratories:
 - i. Laboratory 1- For General Practical viz. Microbiology, Food Chemistry, Food Analysis, Plant Physiology, Plant Propagation, Soil Analysis, Agricultural Biochemistry
 - ii. Laboratory 2- For Food Processing, Food Science, Food Processing and Engineering, Post harvest management in fruits and vegetables, Dairy Technology, Spice processing.
 - iii. Staff Room
 - iv. Co-coordinator's Room
 - v. Store Room : Two
 - a) Chemical and Glassware
 - b) Food storage
 - vi. Seat Out

31. Number of students receiving financial assistance from college, university, government or other agencies:

One student is working in college under Earn and Learn Scheme

32. Details on student enrichment programme (special lecture/workshops/seminar) with external experts.

2014-15 : NIL
2015-16

Sr. No.	Title	Duration and Dates	Level
---------	-------	--------------------	-------

1	Study skills	1 day- 6.10.15	F.Y.B. Voc, S.Y.B. Voc.
2	World Food Day- Theme: Nutrition- Key to development a) Poster Competition b) Slogan Preparation c) Cooking competition	1 day- 9.10.15	F.Y.B. Voc, S.Y.B. Voc.

Sr. No.	Name of activity	Class	Level
1	World Food Day- Theme: Nutrition- Key to development	F.Y. B. Voc, S.Y. B. Voc.	Interclass Poster Competition Slogan Preparation Cooking competition

2014-15 : Educational Visit

Sr. No.	Name of activity	Class	Place
1	Educational Visit	F.Y.B. Voc	Baramati agricultural Farm
2	Visits	F.Y.B. Voc	Agrowon food expo

33. Teaching methods adopted to improve student learning

- Power Point Presentations for actual working of machinery used in food industry
- Industrial visits and educational visits. Making reports on study tour and visits.
- Inter Departmental practical approach (Biotechnology)
- Video clips and animations on concerned subjects.
- Brain storming sessions and Group discussions.
- Food Quiz, Debate Competitions and Food Vocabulary games.
- Assignments and class tests to judge their level of understanding
- On Field activities (Food products, packaging materials and others)
- Knowledge up gradation activities (Collection of newspaper articles related to advanced technology and recent updates in food industry)
- Videos on industry processes, safety practices and other topics related to concerned subjects.
- Market survey.
- Result analysis and Feedback from students.
- Regular assignments and class tests.
- Data analysis through classroom interaction, result analysis, projects,

- assignments and seminars
- xv. The Department plans and executes various curricular and co-curricular activities for achieving the stated learning outcomes
- xvi. Case study

34. Participation in Institutional Social responsibility (ISR) and Extension activities:

Sr. No.	Faculty	Activity	Students	Activity
2014-2015				
1	Dr. Geeta Morwal	National Seminar: Agri prospects at MITCON		
	Sheetal Oswal	National Seminar: Agri prospects at MITCON		
2015-2016				
1.	Sheetal Oswal	Judge at Cooking Competition conducted by JOYS, Ahmednagar on 16 th August, 2015	-	-
2			1.Prithviraj Desai 2.Anjalee Vagge 3.Deepshika Kamble 4.Sujata Pasare 5.Tejas Bahalkar 6.Namrata Desai	NJRVAHATI Agri Summit 2015 at Symbiosis Institute of International Business on 28 th August, 2015
3	1. Dr. Geeta Morwal 2.Prof. Sheetal Oswal	Swachata Abhiyan at Modern College, Department of B. Voc. on 2 nd October, 2015	1. Siddharth Bhojane 2. Hrishikesh Sankpal	N.S.S. Swachata Abhiyan at Modern College on 2 nd October, 2015
4	Dr. Geeta Morwal Sheetal Oswal	Hunar Express-Activity by National Skill Qualification Framework on 3 rd November 2014 at Skill Development Department, Savitribai Phule Pune University	F.Y.B.Voc and S.Y.B.Voc students	Hunar Express-Activity by National Skill Qualification Framework on 3 rd November 2014 at Skill Development Department, Savitribai Phule Pune University
5.	Sheetal Oswal	Nutrition Awareness on 5th December, 2015.	1.Anjalee Vagge 2.Deepshika Kamble 3.Sujata Pasare 4.Namrata Lonare 5.Pranav Tripathi 6.Abhishek Mishra 7.Komal Borate	Activity organized by Protein Foods and Development association in collaboration S.N.D.T. College of Home Science, Pune on 5th December, 2015.
	Sheetal Oswal	Seminar on Nutritious foods for Active and Healthy Life	Anjalee Vagge Deepshika Kamble Sujata Pasare Namrata Lonare Pranav Tripathi Abhishek Mishra Komal Borate	Activity organized by Protein Foods and Development association in collaboration S.N.D.T. College of Home Science, Pune

				on 5th December, 2015.
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35. SWOC analysis of the department and future plans:

Strengths:

- Faculty from various colleges and industries and other departments from Modern College, Ganeshkhind, Pune
- Memorandum of Understanding with various food industries and green house establishments.
- Willingness of staff to extend any form of support to the students whenever required.
- Guidance, Motivation and support from the Principal.
- Healthy and friendly atmosphere in the Department.

Weaknesses:

- Inadequate full time faculty for specialized B.Voc. subjects.
- Shortage of non-teaching staff.

Opportunities:

- Industry training (90 hours/student/semester)
- Job opportunities in various existing and upcoming industries for B. Voc. students
- Curriculum is made to inculcate necessities in the budding entrepreneurs Curriculum is designed according to industry needs after consulting eminent industry personalities.

Challenges:

- To cater the ever growing demand for our subject within limited space and resources.
- To finish the prescribed portion within the stipulated time.
- To continually evaluate students with a view to upgrade their performance and make them capable to appear at the University level exams.
- To avail the job opportunities for the B. Voc. pass out students.

Evaluative Report of the Departments

1. **Name of the department:** **Biotechnology**
2. **Year of Establishment:** Undergraduate: 2002
Post-graduate: 2007
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.Sc. (Biotechnology),
M.Sc. (Biotechnology)
4. **Names of Interdisciplinary courses and the departments/units involved:**
First Year B.Sc. (Biotechnology) is interdisciplinary in nature and involves subjects and departments of Physics, Mathematics, Chemistry, Statistics, English and Computer Science.
5. **Annual/ semester/choice based credit system (programme wise):**
First Year B.Sc. (Biotechnology): Annual
Second and Third years of B.Sc. (Biotechnology): Semester
M.Sc. (Biotechnology): Choice-based credit system with semester pattern

6. **Participation of the department in the courses offered by other departments:**

Title of the Course	Topics/Subjects	Name of the faculty members
B. Voc. (Food Processing)	Coordinator	Dr. Geeta Morwal
	Teaching and Practical	Ms. Vaishali Randive
M.Sc. (Env. Sci.) at Department of Environmental Science, S. P. Pune University	Environmental Biotechnology; Research Projects	Dr. Vinay Kumar
M.Sc. and PhD At Vasantdada Sugar Institute, Pune	Research Projects; Biotechnology	Dr. Vinay Kumar

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

Hands-on Training Course on Advanced Techniques in Biotechnology under *Biozone*, an annual departmental activity was conducted in collaboration with Chromous Biotech Pvt. Ltd., Bangalore

8. **Details of courses/programmes discontinued (if any) with reasons** Nil

9. **Number of teaching posts**

	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors		10

10. Faculty profile with name, qualification, designation, specialization -

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided
Dr. Rekha Gupta	Ph.D. Botany	Former Head and Associate Professor	Plant Biotechnology	20-R 13-T	--
Dr. Shalini Mathur	Ph. D. Botany, NET	Assistant Professor (On Lien)	Plant Breeding, Plant Biotechnology	6-R 8-T	--
Dr. Vinay Kumar	Ph.D. Biotechnology, SET	Assistant Professor	Genetic Engineering, Plant Biotechnology	7-T 10-R	03
Dr. Geeta Morwal	Ph. D. Botany	Assistant Professor	Plant Sciences	16-R 11-T	--
Mr. Pinakin Wagh	M.Sc. Zoology, NET	Assistant Professor (On Lien)	Animal Biotechnology	8-T	--
Dr. Nivedita Das	Ph.D. Zoology	Assistant Professor	Animal Biotechnology	11-T 2-R	--
Dr. Pooja Rana	Ph.D. Biochemistry, NET	Assistant Professor	Biochemistry, Molecular Biology	6-R 5-T	--
Dr. Mruthyunjaya S.	Ph.D. Biotechnology	Assistant Professor	Stem cell	2-T 1-R	--
Dr. Sagar Kanekar	Ph.D. Microbiology	Assistant Professor	Microbiology	1- T 2-R	
Dr. Sushma Pawar	Ph.D. Biotechnology	Assistant Professor	Biotechnology	2-R 1-T	--
Mr. Shardul Joshi	M.Sc. Virology NET	Assistant Professor	Virology	2-T	--
Ms. Ruby Singh	M.Sc. Biotechnology, NET	Assistant Professor	Biotechnology	1-T	--

T: Teaching; R: Research

11. List of senior visiting faculty

Name	Institution/ Organization
Prof. G. S. Chincharikar	Professor (Retd.), Department of Botany, S. P. Pune University, Pune
Prof. Milind Watave	Professor of Biology, Indian Institute of Science Education and Research, Pune
Prof. Renu Bharadwaj	Professor and Head, Department of Microbiology, B.J. Govt. Medical College, Pune
Prof. B. B. Nath	Professor, Department of Zoology, S. P. Pune University, Pune
Dr. B. L. V. Prasad	Principal Scientist, Material Sciences Division, CSIR-NCL, Pune
Dr. R. Devarumath	Senior Scientist, Plant Molecular Biology and Genetic Engineering Section, Vasantdada Sugar Institute, Pune
Dr. Prabhakar Ranjekar	Former Head, Biochemical Sciences Division, CSIR-NCL, Pune
Dr. Bashir M. Khan	Former Head, Biochemical Sciences Division, CSIR-National Chemical Laboratory, Pune

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Year	Percentage of lecture and practical handled by temporary faculty
2011-12	Nil
2012-13	10%
2013-14	15%
2014-15	15%
2015-16	10%

13. Student -Teacher Ratio (programme wise)

Course	Number of students	Number of teachers	Student -Teacher Ratio
B.Sc.	121	08	15:1
M.Sc.	48	04	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Lab Assistant:	01
Lab Attendant:	01
Peon:	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Ph.D.:	07
M.Phil.:	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

National:	03; with a total outlay of Rs. 44,34,000/-
International:	01

Details of Extra-Mural Research Projects:

Name of the investigators PI and CO-I	Title of the project	Funding agency	Total amount sanctioned in Rs.	Duration of project
Dr. Rekha Gupta (PI), Dr. Vinay Kumar (Co-I)	Biodegradation of ammonium perchlorate by phytoremediation approaches	ISRO, Govt. of India	10,52,000	2011-2014
Dr. Rekha Gupta (PI)	Synthetic dye degradation	B.C.U.D., S. P. Pune University	2,50,000	2009-2011
Dr. Vinay Kumar (PI)	Investigating the individual roles and relative importance of Na ⁺ and Cl ⁻ in NaCl-induced salt stress, and in the activation of antioxidant machinery in-response	SERB-DST, Govt. of India	18,37,000	2012-2015

Dr. Vinay Kumar (PI)	Exploration of <i>Helicteres isora</i> L. as a source of diosgenin and enhancement of diosgenin production using plant tissue culture and genetic engineering approaches	UGC, Govt of India	6,25,000	2012-2015
Dr. Vinay Kumar (PI)	Investigating the individual roles of Na ⁺ and Cl ⁻ in exerting the oxidative stress in rice and in activation of antioxidant machinery in-response-to it	B.C.U.D., S. P. Pune University	2,00,000	2011-2014
Dr. Shalini Mathur (PI)	Tissue culture studies on <i>Centella asiatica</i>	B.C.U.D., S. P. Pune University	2,00,000	2013-2015
Dr. Geeta Morwal (PI)	Tissue culture studies in Vanilla plant	B.C.U.D., S. P. Pune University	2,70,000	2013-2015
Dr. Vinay Kumar (Partner) Dr. Sayali Patil, Env. Sc. Dept, S. P. Pune University (PI)	Reviving Indian Rivers: Is nanoremediation an answer?	Australia-India Council	45,000 Australian Dollars	2015-16
TOTAL OUTLAY (Rs.)		44.34 Lakhs		

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

DST-FIST program: ~15 Lakhs

DBT-STAR College Scheme (Rs. 5,00,000/- N.R. and Rs. 2,00,000/- per year for recurring for last three years): 13,00,000/-

18. Research Centre /facility recognized by the University

Under consideration of S. P. Pune University, Pune.

19. Publications: Publications in last FIVE years

Name of the Faculty	Articles in peer-reviewed indexed journals		Books with ISBN	Book Chapters with ISBN	Proceedings	Total Publications	Total Impact Factor	Total Citations	h-index	SJR
	International	National								
Dr. Rekha Gupta	02	01	--	--	--	03	--	--	--	--
Dr. Vinay Kumar	15	--	--	03	--	18	11.42	294	09	8.14
Dr. Geeta Morwal	01	--	--	--	--	01	--	--	--	--
Dr. Pooja Rana	02	01	--	--	--	03	--	21	02	0.71

Dr. Nivedita Das	02	01	05	--	--	08	--	05		
Dr. Mruthunjaya S.	03	--	--	--	--	03	9.90	65	03	5.71
Ms. Vaishali Randive	01	--	--	--	--	01	--	--	--	
Dr. Sushama Pawar	02	--	--	--	--	02	5.20	--	02	1.80
Ms. Ruby Singh	04	--	--	--	--	04	3.66	--	--	--
Dr. Sagar Kanekar	02	--	--	03	--	05	2.48	16	02	
Total	32	02	05	06	--	48	32.56	401	18	16.36

Total Citations Courtesy: Google ScholarTM; Impact Factor Courtesy: Web of Science (Journal Citation Reports, 2014), Thomson Scientific

List of Faculty Publications:

S. No.	Name of the authors	Title of the article	Name of the Journal	Vol. No.	Page No.	Year	DOI (if any)	ISSN No. of the journal	Impact Factor, if any (only JCR/SCI)
1.	Wani SH, Kumar V, Shriram V, Sah SK..	Phytohormones and their metabolic engineering for abiotic stress tolerance in crop plants.	<i>The Crop Journal</i>			2016	doi:10.1016/j.cj.2016.01.010	2214-5141	
2.	Wani SH, Kumar V.	Plant Stress Tolerance: Engineering ABA: A Potent Phytohormone.	<i>Transcriptomics</i>	3(2):	1000-113.	2015	DOI: 10.4172/2329-8936.1000113	2329-8936	
3.	Mapara N, Sharma M, Shriram V, Bharadwaj R, Mohite KC, Kumar V* .	Antimicrobial potentials of <i>Helicoverpa isora</i> silver nanoparticles against extensively drug resistant (XDR) clinical isolates of <i>Pseudomonas aeruginosa</i> .	<i>Applied Microbiology and Biotechnology</i>	99	1065-1066-7	2015	10.1007/s00253-015-6938-x (Springer)	0175-7598	3.34
4.	Khare T, Kumar V* , and Kavi Kishor PB.	Na ⁺ and Cl ⁻ ions show additive effects under NaCl stress on induction of oxidative stress and the responsive antioxidative defense in rice.	<i>Protoplasma</i>	252	1149-1165	2015	0.1007/s00709-014-0749-2 (Springer)	0033-183X	3.17
5.	Kumar V* and Khare T.	Individual and additive effects of Na ⁺ and Cl ⁻ ions on rice under salinity stress.	<i>Archives of Agronomy and Soil Science</i>	61	381-395	2015	10.1080/03650340.2014.936400 (Taylor & Francis)	0365-0340	0.55

6.	Shriram V, Nanekar V, Kumar V.	Optimization of direct and indirect regeneration and ploidy level analysis of <i>Eulophia ochreatea</i> Lindl.	Indian Journal of Experimental Biology	52	1112 - 1121	2014		0019-5189	0.84
7.	Nanekar V, Shriram V , Kumar V, Kavi Kishor PB.	Asymbiotic seed germination and seedling establishment in <i>Eulophia nuda</i> .	Proc. Natl. Acad. Sci. India Sec. B. Biol. Sci.	84	837-846	2014	10.1007/s40011-014-0353-4 (Springer)	2250-1746	0.40
8.	Kumar V* , Desai D., Shriram.	Hairy root induction in <i>Helicteres isora</i> and production of diosgenin in hairy roots.	Natural Products and Bioprospecting	04	107-112	2014	10.1007/s13659-014-0011-9 (Springer)	2192-2209	
9.	Shriram V, Kumar V , Mulla J, Latha C.	Curing of Plasmid-Mediated Antibiotic Resistance in Multi-Drug Resistant Human Pathogens Using <i>Alpinia galanga</i> Rhizome Extract.	Advanced Biotech	13(1)	1-5	2013		2319-6750	
10.	Kumar V* , Lemos M, Sharma M, Shriram V.	Antioxidant and DNA damage protecting activities of <i>Eulophia nuda</i> Lindl.	Free Radicals and Antioxidants	3	55-60.	2013	10.1016/j.fra.2013.07.001 (Elsevier)	2231-2536	1.2
11.	Kumar V* , Sharma M, Lemos M, Shriram V.	Efficacy of <i>Helicteres isora</i> against free radicals, lipid peroxidation, protein oxidation and DNA damage.	Journal of Pharmacy Research		6: 620-625	2013	10.1016/j.jopr.2013.05.017 (Elsevier)	2319-5652	
12.	Kumar V* , Shriram V, Mulla J.	Antibiotic resistance reversal of multiple drug resistant bacteria using <i>Piper longum</i> fruit extract.	Journal of Applied Pharmaceutical Science	3	112-116	2013	10.7324/JAPS.2013.30322	2231-3354	
13.	Desai D, Khare T, Kumar V* .	Sulfate & chloride salinity induced effects on physiological and biochemical parameters of sorghum.	International Journal of Biochemistry and Biotechnology	1	5-10	2012		0973-2691	
14.	Khare T, Desai D, Kumar V* .	Effect of MgCl ₂ stress on germination, plant	Journal of Stress Physiology	8	169-178	2012		1997-0838	

		growth, chlorophyll content, proline content and lipid peroxidation in sorghum cultivars.	<i>and Biochemistry</i>						
15.	Danai-Tambhale S, Kumar V, Shriram V.	Differential Response of Two Scented Indica Rice (<i>Oryzasativa</i>) Cultivars under Salt Stress.	<i>Journal of Stress Physiology and Biochemistry</i>	7	387-397	2011			
16.	Gupta, R., Soni, S.	Perchlorate uptake and its effect on physiological, biochemical and growth parameters of eucalyptus plant under ammonium perchlorate stress.	<i>International Journal of Agriculture, Environment and Biotechnology</i>	8	335	2015		0974-1712	
17.	Rekha Gupta, Aditi Deshpande	Degradation and Decolorization of synthetic dye	<i>Asian journal of Microbiology, Biotechnology & Environmental science</i>	16	641-646	2014		0972-3005	
18.	Gupta R, Soni S.	Studies on Rhizoremediation of perchlorate and its effect on physiological and biochemical parameters of <i>Peltophorum</i> plant in presence of mycorrhiza	<i>Environment Observer</i>	18	94	2014		2320-5997	
19.	Geeta Morwal, Sonal J. Jadhav, Anuja Shinde, Gouri Jadhav, Namrata Mandge	Conservation of Vanilla planifolia by In-Vitro Micropropagation Method	<i>International Journal of Research in Advent Technology</i>	Spl. Iss.	71-77	2015		2321-9637	
20.	Akashdeep, Pooja Rana and Giridhar Soni	Effect of cultural manipulations on antioxidant potential of tissue cultured <i>Mentha spicata</i> (SPR 8)	<i>Journal Pharmacy Research</i>	04	3368-71	2012		0974-6943	
21.	Akashdeep, Pooja Rana, SS Gosal and Giridhar Soni	Antioxidant potential of tissue cultured <i>Mentha spicata</i> (SPR 8)	<i>Journal Pharmacy Research</i>	01	90-96	2013		0974-6943	
22.	Akashdeep, Pooja Rana, SS Gosal and	<i>In Vitro</i> lipid peroxidation of tissue cultured	<i>Journal of Applied Pharmaceut</i>	04	079-083	2014	-	2231-3354	0.537

	Giridhar Soni	and tissue cultured derived plant	<i>ical Sciences</i>						
23.	Sushma Mane, Wasudeo Gade, Sahayog Jamdar	Purification and characterization of proline aminopeptidase from chicken intestine	<i>Process Biochemistry</i>	46	1384 - 1389	2011	-	1359-5113	2.52
24.	Sushma Mane, Madhujit Damle, Padmanabhakur up Harikumar, Sahayog Jamdar, Wasudeo Gade	Purification and characterization of aminopeptidase N from chicken intestine with potential application in debittering	<i>Process Biochemistry</i>	45	1011 – 1016	2010	-	1359-5113	2.52
25.	Rajiv Pathak, Ruby Singh, Avnika Singh, Hemlata Gautam, Atlar Singh Dhaker, Raj Kumar, Rajesh Arora, Hemant K. Gautam	Assessment of antibacterial and free radical scavenging activity in psychrophilic <i>Arthrobacter sp.</i>	<i>Pharmacology online</i>	01	344-355	2011	-	1827-8620	0.16
26.	Vaishali Randive, Sonali Belhekar, Snehal Paigude	Production of Bioethanol from <i>Eichhornia crassipes</i> .	<i>International journal of Current Microbiology and applied science</i>	2	399-406	2015	-	2319-7706	-
27.	N.Patnaik ,C. Mahapatra, S. K. Dutta and P. K. Mahapatra	Role of acid phosphatase and alkaline phosphatase during vitamin A induced abnormal tail regeneration in the tadpoles of the Indian tree frog:	<i>International Journal of Current Research</i>	4	115-120	2012		0975-833X	
28.	Nivedita Das, Vinayak Kulkarni and Mayur Lokhande	Production of Biofuel from Chicken Feathers: International journal on Power Engineering and Energy	<i>International journal on Power Engineering and Energy</i>	4	364-366	2013		2314-7318	
29.	Nivedita Das, Aditi Khot & Shruti Thembe	Production of biodiesel from poultry waste and degradation of remaining waste.	<i>Environment Observer</i>	18	83-86	2014		2320-5997	

30.	Ruby Singh, Laxman Nawale, Dhiman Sarkar, C. G. Suresh	Two Chitotriose-Specific Lectins Show Anti-Angiogenesis, Induces Caspase-9-Mediated Apoptosis and Early Arrest of Pancreatic Tumor Cell Cycle	<i>Plos one</i>	11(1)	1-18	2016	DOI:10.1371/journal.pone.0146110		3.2
31.	Ruby Singh and C. G. Suresh	Purification and Characterization of a Small Chito-specific Lectin from <i>Datura innoxia</i> Seeds Possessing Anti-microbial Properties	International Journal of Biochemistry Research & Review	9(2)	1-17	2016	DOI : 10.9734/IJBCRR/2016/22157	2231-086X	
32.	Rajiv Pathak, Ruby Singh, Avnika Singh1, Hemlata Gautam, Atlar Singh Dhaker, Raj Kumar, Rajesh Arora, Hemant K. Gautam	Assessment of anti-bacterial and free radical scavenging activity in psychrophilic <i>Arthrobacter</i> sp.	<i>Pharmacologyonline</i>	1	344-355	2011		1827-8620	0.16
33.	Sagar P. Kanekar, Neha Saxena, Soham D. Pore, Preeti Arora, P.P. Kanekar, P.K. Dhakephalkar	Draft genome sequence of <i>Halostagnicola</i> sp. A56, an extremely halophilic archaeon isolated from Andaman Islands, India	<i>Genome Announcement ASM</i>	3(6)	1-2	2015	e01332-15		
34.	Pradnya P. Kanekar, Snehal O. Kulkarni, Sagar P. Kanekar, Yogesh Shouche, Kunal Jani, Avinash Sharma	Exploration of a haloarchaeon, <i>Halostagnicola larsenii</i> isolated from rock pit sea water, West Coast of Maharashtra, India for production of Bacteriorhodopsin (BR)	<i>Journal of Applied Microbiology</i>	118(6)		2015	DOI:10.1111/jam.12784		2.48
35.	Mruthyunjaya S, D Parveen, R Shah, R Manchanda, R Godbole, M Vasudevan, P Shastry.	Gene expression analysis of laminin-1-induced neurite outgrowth in human mesenchymal stem cells derived from bone marrow.	<i>The Journal of Biomedical Materials Research-Part A</i>	103(2)	746-61	2015		1552-4965	3.4

36.	R.Shah, J.Jagtap, Mruthyunjaya S. , G.Shelke, R.Pujari, G.Das, and P.Shastry	Sodium Valproate Potentiates Staurosporine-Induced Apoptosis in Neuroblastoma Cells Via Akt/Survivin Independently of HDAC Inhibition.	<i>Journal of Cellular Biochemistry</i>	114	854–863	2013		1097-4644	3.3
37.	Mruthyunjaya S. , Manchanda R, Godbole R, Shiras A, Shastry P	c-Jun/AP-1 transcription factor regulates laminin-1-induced neurite outgrowth in human bone marrow mesenchymal stem cells: Role of multiple signaling pathways.	<i>FEBS Letters</i>	585(12)	1915–22	2011		1873-3468	3.2

20. Areas of consultancy and income generated

Dr. Vinay Kumar

Areas of consultancy provided:

Plant Biotechnology and Genetic Engineering

Total outlay:

Rs. 1,00,000/-

21. Faculty as members in

a) National committees:

Dr. Vinay Kumar

Life Member, Biotech Research Society, India

Dr. Nivedita Das

Life Member, Biotech Research Society, India

b) International Committees

Dr. Vinay Kumar

Member, Asian Federation of Biotechnology, South Korea

c) Editorial / Reviewer Boards:

Dr. Vinay Kumar

Member, Editorial Board:

1. Editor, Pharmacologia (UK)

2. Guest Editor, Special Issue on *Osmoprotectants and plant abiotic stress tolerance: physiological, biochemical and molecular perspective*, December 2014 Issue of *Universal Journal of Plant Science* (USA)

Member, Reviewer Board: Reviewer for the following journals:

1. *Frontiers in Plant Science* (Frontiers Media, Switzerland)
2. *Environmental Science and Pollution Research* (Springer-Verlag, Germany)
3. *Journal of Food Biochemistry* (Wiley-VCH, USA)
4. *Pedosphere* (Elsevier, China)
5. *South African Journal of Botany* (Elsevier, USA)
6. *Archives of Agronomy and Soil Science* (Taylor and Francis, UK)

7. *Proceedings of National Academy of Sciences, India Sect B: Biological Sciences* (Springer, India)
8. *African Journal of Biotechnology* (Academic Press)

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: 85%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 15%

23. Awards / Recognitions received by faculty and students

S. No.	Name of the Faculty	Award/ Recognition	Year
1.	Dr. Vinay Kumar	'SERB-DST Young Scientist'	2011-12
2.	Dr. Rekha Gupta	'Best Teacher Award' by the Progressive Education Society, Pune	2013-14
3.	Dr. Vinay Kumar	'Best Teacher Award' by the Progressive Education Society, Pune	2014-15
4.	Dr. Vinay Kumar	Member, Reviewer Panel, National Science Center, Government of Poland for reviewing Research Proposals	2015-16
5.	Dr. Vinay Kumar	Recognition as M. Phil. and Ph.D. guide in Biotechnology and Environmental Sciences subjects of S. P. Pune University	2014-15 / 2015-16
6.	Dr. Vinay Kumar	Adjunct Professor, Vasantdada Sugar Institute, Pune	2015-16
7.	Dr. Geeta Morwal	Coordinator, B.Voc. Program	2014- till now
8.	Dr. Vinay Kumar	College Coordinator, DBT-Star College Scheme	2011-till now
9.	Dr. Vinay Kumar	College Coordinator, DST-FIST Program	2011-till now

Students' achievements:

UGC-CSIR NET/ GATE EXAMS (2011-12 to 2015-16)	28
University Toppers	08
Scholarships Leela Poonawala foundation fellowship for girls during post-graduation UGC Single girl child fellowship for post-graduation	06
Best Students of the college	05
Research Publications	08
Avishkar/Presentation (University level Research Activity for students) (2012-2015)	26
Participated in Conference/ Seminars/ Workshops (2012-2015)	07
Performing Arts Purushottam Karandak,, Poster, Photography, Handwriting, Vividha (Rangoli , salad making)	09
Sports (National level, Inter-college)	11

24. List of eminent academicians and scientists / visitors to the department

- 1) Dr. Kavi Kishor, Emeritus Professor, Department of Genetics, Osmania University, Hyderabad
- 2) Dr. G. S. Grover, Scientist G and Head, Safety management Department , CSIR-National Chemical Laboratory, Pune
- 3) Dr. Himanshu Shekhar, Scientist F, DRDO, Pune
- 4) Dr. Athanu Basu, Scientist E, National Institute of Virology, Pune
- 5) Dr. MV Krishnasastry, Scientist F, National Center for Cell Sciences, Pune
- 6) Dr. Bashir Khan, Former Head, Biochemical Sciences Division, CSIR-National Chemical Laboratory, Pune
- 7) Dr. Padma Shastri, Scientist F, National Center for Cell Sciences, Pune

25. Seminars/ Conferences/Workshops organized & the source of funding:

1. A Two days Workshop on “Bacterial Identification based on 16s rRNA and rpo-beta gene” for M.Sc. students in collaboration with ATG Labs on 5th-6th Aug 2011. Funding Source: In-house funding
2. BIOZONE – Hands on Training in Advance Technique in Biotechnology 19 – 20th March 2012. Funding Source: In-house funding
3. A Two-Days workshop on “Microscope: Handling & Trouble-shooting” for (Biotechnology, Microbiology and Zoology) students, 22-23 December, 2014, Number of participants: 30

Speakers/Resource Persons:

Dr. B.B. Nath, Head, Department of Zoology, University of Pune, Pune

Dr. Athanu Basu, Scientist E, National Institute of Virology, Pune

Dr. MV Krishnasastry, Scientist F, National Center for Cell Sciences, Pune

Funding Source: DBT, New Delhi (Under Star College Scheme)

4. A special Session on “Micro-techniques” for TYBSc (Biotechnology, Microbiology and Zoology) students, 23rd December, 2014, Number of participants: 30

Speakers/Resource Persons: Dr. Sanjay Kharat, Principal, Modern College, Ganeshkhind, Pune

Funding Source: DBT, New Delhi (Under Star College Scheme)

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FY BSc (11-12)	35	31	10	21	86
FY BSc (12-13)	59	53	17	36	86
FY BSc (13-14)	28	22	08	14	85
FY BSc (14-15)	59	55	12	43	66
FY BSc (15-16)	84	69	28	41	ND
MSc Part I (11-12)	357	22	06	16	100
MSc Part I (12-13)	311	22	06	16	100
MSc Part I (13-14)	102	23	10	13	100
MSc Part I (14-15)	75	22	10	12	100
MSc Part I (15-16)	63	24	04	20	100

*M = Male *F = Female; ND: Result not yet declared

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
FY BSc (11-12)	90	10	0
FY BSc (12-13)	90	10	0
FY BSc (13-14)	92	08	0
FY BSc (14-15)	98	02	0
FY BSc (15-16)	97	03	0
MSc Part I (11-12)	92	08	0
MSc Part I (12-13)	100	00	0
MSc Part I (13-14)	100	00	0
MSc Part I (14-15)	95	05	0
MSc Part I (15-16)	96	04	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NET-12

GATE-14

29. Student progression

Student progression	Against % enrolled
UG to PG	98 %
PG to M. Phil.	2 %
PG to Ph. D.	12 %
Ph.D. to Post-Doctoral	2%
Employed	60%
• Campus selection	
• Other than campus recruitment	
Entrepreneurship/Self-employment	2%

30. Details of Infrastructural facilities**a) Library**

Departmental Library: 937 books
 Central Library: ~5000 books

b) Internet facilities

For staff: 3 computers
 For students: 18 computers

c) Classrooms with ICT facilities: 2

d) Laboratories 3 wet labs
 2 tissue culture
 1 bioinformatics

1 research
2 instrumentation

31. Number of students receiving financial assistance from college, university, government or other agencies

- Government Scholarships and free-ships of reserved category students
- Institutional support for procuring research material, microbial cultures etc for students' projects
- **Leela Poonawala Foundation fellowship for post-graduate girl students**
 1. Zareen Khan (2011-12)
 2. Shivanjali Kapse (2012-13)
 3. Ruta Kulkarni (2012-13)
 4. Snehal Paigude (2014-15)
- **UGC single girl child fellowship for post-graduation**
 1. Poonam Sashidhar (2013-14)
 2. Nida Sayed Rizwan (2015-16)
- **DBT-BCIL (Biotech Consortium India Limited, DBT, New Delhi)**
 1. Sushant Navrange (2015-16)
 2. Swarda Deo (2015-16)
 3. Aditee Khot (2015-16)
 4. Poonam Shashidhar (2015-16)
 5. Sagar Arya (2015-16)

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Workshops/ Hands-on Training Programs

1. A Two days Workshop on "Bacterial Identification based on 16s rRNA and rpo-beta gene" for M.Sc. students in collaboration with ATG Labs on 5th-6th Aug 2011. Funding Source: In-house funding
2. BIOZONE – Hands on Training in Advance Technique in Biotechnology 19 – 20th March 2012. Funding Source: In-house funding
3. A Two-Day workshop on "Microscope: Handling and Trouble-shooting" for (Biotechnology, Microbiology and Zoology) students, 22-23 December, 2014.

Speakers/Resource Persons:

Dr. B.B. Nath, Head, Department of Zoology, University of Pune, Pune

Dr. Athanu Basu, Scientist E, National Institute of Virology, Pune

Dr. MV Krishnasastry, Scientist F, National Center for Cell Sciences, Pune

Funding Source: DBT, New Delhi (Under Star College Scheme)

4. A special Session on "Micro-techniques" for T.Y.B.Sc. (Biotechnology, Microbiology and Zoology) students, 23rd December, 2014, Number of participants: 30
Speakers/Resource Persons: Dr. Sanjay Kharat, Principal, Modern College, Ganeshkhind, Pune. Funding Source: DBT, New Delhi (Under Star College Scheme)
5. A one-day Workshop on "Career opportunities abroad for Life Science Students" By Global India Pune, 5th Aug. 2013. Funding Source: In-house funding

6. Conducted a Training Course on carrier advancement technique in collaboration with Pacemakerz, Pune, 13-15th Feb 2014
7. Conducted One-day Placement Workshop for M.Sc. students by in collaboration with My Lab Life Sciences, Pune, on 01/10/15. Funding Source: In-house funding
8. Industry-Academia Interactive Session for M.Sc. students. Dr. Anjali Apte Deshmukh, Director, Central Dogma, Pune discussed on “Biotechnology industry in India and need of skilled manpower”, on Saturday 22.08.15. Funding Source: In-house funding

Guest Lectures

S. No.	Topic of the Lecture/Talk	Speaker (Guest Faculty)	Dates
1.	DRDO in pursuit of scientific excellence and opportunities therein for science graduates	Dr. Himanshu Shekhar Scientist F, DRDO, Pune	13/09/2013
2.	Biosafety in life science laboratories	Dr. G. S. Grover Scientist G CSIR-National Chemical Laboratory, Pune	04/02/2014
3.	Transcriptomics and Microarray Technologies	Dr. P. B. Kavi Kishor Emeritus Professor, Department of Genetics, Osmania University, Hyderabad	12/03/2014
4.	Opportunities in Food Industry	Ms. Meghana Patange Coordinator and Administrating Manager, Career Varsity, Pune	
5	Exploring the potential of Tumor suppressor Prostate Apoptosis response-4 (Par-4) for cancer therapy	Dr. Padma Shastry, Scientist G, NCCS, Pune	19/01/2015
6	Game Theory for Human Diseases	Prof. Milind Watave, <i>FASc</i> Professor, IISER, Pune	22/09/2015
7	Interactive session on higher education opportunities at the Penn State University, USA	Ms. Amanda Moore Assistant Director, International Admissions, Penn State University, USA	16/02/2016
8	Metagenomics: Tools and Applications	Dr. Sayali Patil Department of Environmental Sciences, S. P. Pune University, Pune – 411 007	20/02/2016
9	Chemical Synthesis of Nanoparticles: Molecules as tools for the Nano - Goldsmith	Dr. B. L. V. Prasad, <i>FASc</i> Principal Scientist, CSIR-National Chemical Laboratory, Pune –411 008	09/03/2016
10	Milestones in biotechnology since the discovery of DNA structure in 1953	Dr. Prabhakar Ranjekar Former Director-Grade Scientist and Head,	17/03/2016

		Biochemical Sciences Division, CSIR-National Chemical Laboratory, Pune –411 008	
11	Antimicrobial Resistance	Dr. Renu Bharadwaj Professor and Head, Department of Microbiology B. J. Government Medical College, Pune –411 001	22/03/2016
12	Biostatistics	Prof. P. G. Dixit Head, Department of Statistics, Modern College, Shivajinagar, Pune	25/03/2016

33. Teaching methods adopted to improve student learning

1. Group discussions and debates
2. Online lectures and resources
3. Open book tests
4. Hands-on approaches
5. Research projects
6. Seminars and presentations
7. Mock viva and interviews
8. Home assignments
9. Quizzes
10. Essay writing
11. Interactive-sessions with internal and external experts

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

1. Participation in blood donation camps
2. Cleanliness drive on college campus under Swacha Bharat Abhiyan
3. Monetary help to needy students
4. Active participation of faculty member (Dr. Nivedita Das) in social activities like polio immunization program conducted by Rotary Club.

35. SWOC analysis of the department and Future plans**Strength:**

1. Highly qualified, active-in-research (7 PhDs and 2 research guides) with wide expertise in the department
2. High proportion of students passing NET/SET/GATE exams and opting for higher education and research in National Institutes and abroad
3. Well equipped laboratories and well-stocked library

Weakness

1. Limited space for expansion and conducting research activities
2. Rigid structure of university syllabus
3. Students from middle academic strata opting for life sciences courses

Opportunities

1. Collaborations / tie-ups / MoUs with institutes and industries (national/ overseas)
2. To increase the research activities further with more extra-mural projects
3. To set-up S P Pune university's research centre for PhD in Biotechnology
4. To explore the well-placed alumni in national institutes, industries and overseas

institutes/ universities

Challenges

1. Placement activities needs to be enhanced
2. To attract students from higher academic strata
3. To improve further the number of students passing NET/SET/GATE examinations and opting for Ph.D.

Evaluative Report of the Departments

1. **Name of the department** **Botany**
2. **Year of Establishment** **1993**
3. **Names of Courses offered** B.Sc. (Botany)
4. **Names of Interdisciplinary courses and the departments/units involved**
B. Voc
5. **Annual/ semester/choice based credit system (programme wise)**
F.Y.B.Sc.: Annual
S.Y. and T.Y.B.Sc.: Semester
6. **Participation of the department in the courses offered by other departments**
Guidance to BSc (Biotech) students for their research projects.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
Hands-on-training programs for students with the help of scientists from Agharkar Research Institute, Pune.
8. **Details of courses/programmes discontinued (if any) with reasons**
Nil
9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	--	--
Associate Professors	01	01
Assist. Professors	02	02

10. **Faculty profile** with name, qualification, designation, specialization i.e. Ph.D. / M. Phil.

Name	Qualification	Designation	Specialization	No. of Yrs. of Experience	No. of Ph.D. Student guided
Raval P.P.	Ph.D.	Asso. Prof.	Mycology & Plant. Pathology	22	--

Thorat A.N.	M.Sc. NET	Assi Prof.	Plant Ecology	08	--
Deshmukh M. S.	M.Sc.	Lecturer	Plant Biotech.	04	--

11. List of senior visiting faculty

- i) Dr. Anuradha Upadhye –Scientist E1 Agharkar Research Institute .
- ii) Dr. Vinaya Ghate - Emeritus Scientist, Agharkar Research Institute, Pune.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Lectures- nil

Practicals – 30%

13. Student -Teacher Ratio (program me wise)

37 :1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Technical: 01

Administrative: 01

15. Qualifications of teaching faculty

M.Sc., Ph.D: 01

M.Sc., NET: 01

M.Sc.: 01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants

DBT-STAR College Scheme (Rs. 5,00,000/- N.R. and Rs. 2,00,000/- per year for recurring for last three years): 13,00,000/-

18. Research Centre /facility recognized by the University

Nil

19. Publications:

Published three papers in National seminars, One in International conference.

- 1) Manali Deshmukh & Raval Prachi . Cultivation of *Pleurotus sajor-kaju* on rice husk. National Conference on conservation of natural resources & bio-diversity for sustainable development (NCCRB, 4-6 Dec. 2014, Devrukh, Ratnagiri .

- 2) Raval Prachi – (2013) : Fungal Diversity of fruits and vegetables Markets of Pune. A Paper published in National conference on Current prospects & challenges in life Sciences held at New Arts, Comm. & Sci. College, Ahmednagar. On “ Fungal Diversity of fruits and vegetable Markets of Pune Abstract pg. 28-29 .
- 3) Raval Prachi (2012) A poster presented in National Conference on Recent trends in Mycology & Plant Sciences held at T. C. College, Baramati on “ The genus *Fusarium* an ubiquitous genus “
- 4) Raval Prachi (2014) Planning for environmental sensitive area : case study of Mahabaleshwar . National seminar on “ Immortal cities : Past and Future concepts, changing Morphology and sustainability “ ISPER , Panchkula.
- 5) Raval Prachi (2010) Estimation of sugars in infected fruits by high performance liquid chromatography XXXIII conference of Indian Botanical Society and International symposium on the new horizons of Botany. Souvenir & Abstracts. Organized by Deptt. of Botany, Shivaji Univ. Kolhapur – 416004. Maharashtra.

20. Areas of consultancy and income generated:

Nil

21. Faculty as members in a) National committees b) Board

Dr. Raval Prachi -- Life member of Indian Botanical Society

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme - 05%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies – 2%

23. Awards / Recognitions received by faculty and students

Nil

24. List of eminent academicians and scientists / visitors to the department -

- i) Dr. Anuradha Upadhye –Scientist El Agharkar Research Institute Delivered a lecture on Flora of Western Ghat
- ii) Dr. Vinaya Ghate - Scientist Emeritus.

25. Seminars/ Conferences/Workshops organized & the source of funding:

Nil

26. Students profile course wise:

Name of the		Enrolled	Pass %
-------------	--	----------	--------

Course		Male		Female			
Year	T.Y.	F.Y.	S.Y.	F.Y.	S.Y.	F.Y.	S.Y.
2011-12	06	48	18	97	43	60	75
2012-13	11	47	16	66	42	65	78
2013-14	--	41	26	80	32	70	85
2014-15	--	69	30	79	38	75	88
2015-16	--	45	55	105	43	80	90

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	95%	5%	nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Vinayak Also passed NET in 2014

Prachi Kakde doing Ph.D. In Savitribai Phule, Pune University

Ninad Mungi – Doing Ph.D. In wild life Institute at Dehradun.

Manisha Pawar -- Working at B.S.I Pune

Prajakta Pathare -- Doing Ph.D. at Botanical Survey of India , Pune

29. Student progression

Student progression	Against % enrolled
UG to PG	5%
PG to M. Phil.	Nil
PG to Ph.D.	1%
Ph.D. to Post-Doctoral	Nil

Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities

- a) Library: Departmental library with 98 books along with the central library.
- b) Internet facilities for Staff & Students – Internet facility available to staff and students
- c) Class rooms with ICT facility: 02
- d) Laboratories – 02

31. Number of students receiving financial assistance from college, university, government or other agencies

Government Scholarships and free-ships of reserved category students

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

- i) Workshop on Flower arrangement was organized in association with Indian Japanese association on Ikebana flower arrangement.
- ii) Students participated in Avishkar competition I.e. Inter collegiate organized by Savitribai Phule Pune university.
- iii) Students participated in Botanica Poster competition organized by Ness Wadia college.

33. Teaching methods adopted to improve student learning-

Use of OHP and Power point presentationS
Field visits and field practicals
Visits to Research Institutes and Botanical Garden
Charts and Digital herbarium

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Participation in NSS activities

35. SWOC analysis of the department and Future plans

- Strength :**
- 1. Qualified and experienced staff
 - 2. Well equipped laboratories.
 - 3 Botanical garden
 - 4. Around 150 Preserved specimens

- Weakness:**
- 1. Lack of collaborative research

Opportunities:

1. To start special course
- 2.. To start a short-term course in Plant tissue culture and mushroom cultivation.

Challenges :

- 1.To attract students towards fundamental sciences.
2. To develop career oriented courses

Evaluative Report of the Department of Chemistry

1. **Name of the Department :** Chemistry
2. **Year of establishment:** U.G.-1993, P.G.-2006
3. **Names of programmes offered:**

Sr. no.	Level	Programmes offered
1.	UG	B.Sc. Chemistry
2.	PG	M.Sc. (Organic Chemistry)

4. Names of Interdisciplinary courses and the department / units involved:

In the post graduate course, the extra credit course of Cyber Security and Human Rights is conducted by the Department of Computer Science and Modern Law College respectively. The skilled based credit course of analytical techniques is conducted in collaboration with the Central Instrumentation Facility, Department of Chemistry, Savitribai Phule Pune University.

5. Annual/ semester/choice based credit system (programme wise):

Sr. no.	Level	Programme	Pattern of examination
1.	UG	F.Y.B.Sc.	Annual
		S.Y.B.Sc.	Semester (Two semesters)
		T.Y.B.Sc.	Semester (Two semesters)
2.	PG	M.Sc.(Organic chemistry)	Semester (Four semesters):Choice Based Credit system

6. Participation of the department in the courses offered by other departments:

1. B. Sc. Biotechnology: Fundamentals in Chemistry.
2. M.Sc. Microbiology: Skill based course on Safety Techniques.

7. Details of programmes discontinued, if any, with reasons: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Position	Sanctioned	Filled
Professor Emeritus	—	01
Associate Professors	—	—
Asst. Professors	12	12
Others	-	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Year: 2015-16

Sr.No.	Name of the staff	Qualification	Designation	Specialization	No. of Years
1.	Dr. Madhuri. S.Kulkarni Head of Dept.	M.Sc. Ph.D. NET	Asst.Prof.	Organic Chem.	15
2.	Mr. Dnyaneshwar Thakar	M.Sc. NET	Asst. Prof	Inorganic Chem.	10
3.	Mrs. Anuradha Bhamidi	M.Sc. NET	Asst. Prof	Inorganic Chem.	10
4.	Dr. Sushama Katade	M.Sc. Ph.D	Asst. Prof	Organic Chem.	9
5.	Dr. Mukula Kulkarni	M.Sc. Ph.D	Asst. Prof	Physical Chem.	10
6.	Dr. Mohini Kute	M.Sc. Ph.D	Asst. Prof	Physical Chem	10
7.	Mrs. Ketaki Saravate	M.Sc. NET, SET	Asst. Prof	Organic Chem.	6
8.	Mrs. Gayatri Shrotriya	M.Sc. NET	Asst. Prof	Organic Chem.	10
9.	Dr. Manish Raut	M.Sc. Ph.D. NET	Asst. Prof	Organic Chem	3
10.	Dr.Nilesh Rathod	M.Sc. Ph.D	Asst. Prof	Inorganic Chem.	3
11.	Ms. Sampada Sonawane	M.Sc. NET	Asst. Prof	Organic Chem.	1
12.	Dr. Nikita Parekh	M.Sc. Ph.D. NET	Asst. Prof	Organic Chem.	1

11. List of senior visiting faculty (last five years)

Sr. No.	Name	Institute/Organization	Topic
1.	Prof. Dr. R.S. Kusurkar	Former Head, Dept. of Chemistry, Savitribai Phule Pune University	Nuclear Magnetic Resonance Spectroscopy
2.	Prof. Dr. D. D. Dhavale	Former Head, Dept. of Chemistry, Savitribai Phule Pune University	2-D spectroscopy and Chiron approach
3.	Prof. Dr. N.S.Rajurkar	Head, Dept. of Chemistry, Savitribai Phule Pune University	Environmental chemistry
4.	Prof. Dr. M.S.Wadia,	Former Head, Dept. of Chemistry, Savitribai Phule Pune University	Pericyclic and spectroscopy
5.	Prof. Dr. S. K. Pardeshi	Dept. of Chemistry, Savitribai Phule Pune University	Coordination Chemistry

6.	Dr. B. R Khot	Chairman, Board of Studies, Savitribai Phule Pune University	Inorganic Chemistry
7.	Dr. A. D. Natu	Former Head, Abasaheb Garware College,Pune	Natural Products and Pericyclic reactions
8.	Prof. Dr. S.S.Kale	Former Head, Abasaheb Garware College,Pune	Advance problems in spectroscopy and stereochemistry
9.	Dr. V. V. Chabukswar	N. Wadia College, Pune	Stereochemistry and organometallics
10.	Dr. Mhaske Pravin	S.P.College, Pune	Medicinal Chemistry
11.	Prof. Dr. B.G.Mahamulk ar	Retd, Fergusson College	Pericyclic and stereochem problems
12.	Dr. A. S. Datar	Abasaheb Garware College,Pune	Physical Chemistry
13.	Prof. R.S.Mali	Ex-Vice Chancellor, North Maharashtra University	Retro syntheses and Umpolung of reactions.
14.	Prof. Dr. S.V. Bhatawdekar	Retd, Fergusson College.	Organic reaction Mechanism and biogenesis

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: PG: 10% (by Eminent Professors)

13. Student -Teacher Ratio (programme wise):

UG: Theory F.Y. 120:1, S.Y. 60:1, T.Y. 24:1 Practicals 20:1 ;
PG: Theory 24:1 Practicals 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Peons: 04 Administrative: 02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Ph.D : 7 M.Sc. NET/SET : 8

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Two UGC funded projects and One funded by Board of College and University Development (BCUD), SPPU completed. Total grant received Rs. 4, 45,000.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

- 2 UGC projects completed; Total Grant – Rs. 3,45,000/-,
- Board of College and University Development(BCUD), SPPU – 1,00,000/-
- DBT-5 Lakhs (non consumables) and 10 Lakhs (Consumables).

18. Research Centre /facility recognized by the University: Applied**19. Publications:**

- Publications per faculty-Annexure 1
- Number of papers published in peer reviewed journals (national /international) by faculty and students – 09 International, 06 National

20. Areas of consultancy and income generated:

Consultancy is provided in soil and water analysis, Infra-Red spectroscopy and Nuclear

Magnetic Resonance spectroscopy Interpretations, Natural product Isolation, Radiochemistry, Photochemistry and competitive exams. So far no income has been generated through it.

21. Faculty as members in

National committees:

1. Indian Society for Radiation and Photochemists (ISRAPS) life member :Dr. Mukula Kulkarni
2. Indian Women Scientists Association (IWSA) life member:
 - Dr. Madhuri S. Kulkarni,
 - Dr. Mohini Kute,
 - Dr. Sushma Katade,
 - Ms. Gayatri Shrotriya.
3. Marathi Vidnyan Parishad; Dr. Sushma Katade

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme: ~ 24%
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: ~ 6%

23. Awards / Recognitions received by faculty and students:

PG Recognitions: Dr. Madhuri Kulkarni , Dr. Sushma Katade, Dr. Mukula Kulkarni

Ph.D and M.Phil. Guide: Dr. Sushma Katade

Sr. No.	Year	Name	Details
1.	2010-11	Dr. Mukula Kulkarni	Won 2 nd prize for paper presentation in 3 rd Asia Pacific Symposium on Radiation and Photochemistry.
2.	2011-12	Dr. Madhuri Kulkarni, Dr. Sushma Katade Dr. Mohini Kute	Paper presentation in International conference “Global challenges-The role of chemistry in giving their solutions, at Bangkok
		Mrs. Revati Nagarkar	First prize in the National Conference held at Y.M. College, BVP, Pune on 13 th -14 th February 2012.

3.	2012-13	Mrs. Gayatri Shrotriya	First Prize for a talk on “Shikshan Yog” in 18 th National Conference of Jyotish at Shegaon, 7 to 9 december 2012
		Mrs. Deepali Kale	Awarded CSIR JRF-NET
4.	2013-14	Dr. Mohini Kute	Best Oral Presentation award at National Conference on Frontiers in Physical Chemical and Biological Sciences at Department of Chemistry University of Pune during 4-6 Oct 2013.
		Mrs. Gayatri Shrotriya	Awarded Ph.D. in Astrology, Varahmihir Jyotish Vidyapeeth.
		Mrs. Vaishali Mahajan	Awarded NET L.S.
5.	2014-15	Dr. Manish Raut	Awarded Ph.D. degree of Savitribai Phule Pune University, Pune.
6.	2015-16	Dr. Nikita Parekh	Awarded Ph.D. degree of Savitribai Phule Pune University, Pune.
		Dr. Madhuri Kulkarni	2 nd Prize for at International Conference on Innovative Teaching methods on 28-29.01.16 at Modern College, Shivajinagar, Pune
		Dr. Sushma Katade	2 nd prize for poster presentation at National Conference on Faunal Diversity: Assessment and Conservation on 22-23 rd January 2016 at Modern College, Ganeshkhind, Pune

Student Achievements:

2011-12

- Mr. Prashant Kumdale, M.Sc-II (2010-11) has received 18th ranked in all over India UGC NET Exam.
- Ms. Swati Bhanange received Consolation Prize in the National Conference at Y.M. College, Bharathi University, Pune
- M.Sc.-II students won Volleyball Intercollegiate Competition.
- Prashiskumar Shirsat and Ajay Diwane of M.Sc. –II were team members of Semifinal Intercollegiate Volleyball team.

2013-14

- Sohan Saravade M.Sc.II , GATE
- Mahesh Kutwal M.Sc.II , NET
- Vaibhav S. Shinde, M.Sc. I , Won 3rd prize in the Dr.M.J.Pujari Intercollege Lecture Competition arranged by Department Of Chemistry, Abasaheb Garware college, Pune
- Akshata Hajare, Yasmin Momin, Jaylakshmi Swami T.Y.B.Sc Won 1st prize in salad decoration in Vividha 2014.

- Satish Walke, Dhananjay Kharat, Suraj Jadhav, Rahul Patil, F.Y.B.Sc Won 1st prize in Science Exhibition Project, Anubhuti 2013
- Manasi Mahajan M.Sc.I Won 1st prize in the Classical Music Competition arranged by Gandharva Vidyalaya , Pune.

2014-15

- Participation in Avishkar M.Sc II (Arjun V. M., Ajinkya Dhane) students on “Synthesis of Pyrazolines from unsaturated carbonyls” at Abasaheb Garware College, Pune on 27/09/14.
- Yogesh Zawar(M.Sc. II) received prize in T. R. Ingale Lecture Competition held at Dept. of Chemistry, S. P. College, Pune-30 on 3rd March 2015.
- M.Sc. I students (Vikram Bhumkar, Nikit Shelke, Niranjana Bhagwat, Pratiksha Chavan (M.Sc- I) won 1st prize in Chemistry Anubhuti 2015.

2015-16

- Paper presentation by T.Y. B.Sc. students Ms. Ankita Mishra and Ms. Sailaja Avishkar inter college competition organized by SPPU 6.10.15
- Mangesh Pacharne won the Consolation Prize in M.J. Pujari Lecture Competition in A. G. College, Pune on 27.2.16
- Participation in International Conference at Delhi by Ms. Ankita Mishra (T.Y.BSc.) during 1-4 March 2016.
- Ajinkya Kulkarni, Karan Choudhary, Rohit Dombale, Dattatray Bardade M.Sc I won 1st prize in Vividha 2015-16 for best stall for handmade craft items.

24. List of eminent academicians and scientists / visitors to the department:

Sr no	Name	Designation	Institute/Organization	Topic
1.	Prof. R.S.Mali	Ex-Vice Chancellor	North Maharashtra University	Organic Retrosynthesis
2.	Prof. S.S Gejji,	Professor	Dept. of Chemistry, S.P. Pune University	Physical Chemistry
3.	Prof. Wolfram Thiemann	Professor	University of Bremen, Germany	Environmental Chemistry
4	Dr. G. S. Grover	Scientist G and Head, Dept of Safety	National Chemical Laboratory, Pune	Safety in Chemical laboratories
5.	Dr. K.C. Mohite, ,	Dean, Science faculty	Savitribai Phule Pune University	Advances in scientific research
6.	Prof. Arvind A. Natu	Professor	Indian Institute of Science Education and Research Pune	Newer trends in scientific research

7.	Dr. Hari Mohan Gobburu	Associate Director,	Eli Lilly, Bengaluru	Drug Discovery and Development
8.	Dr. Nandkumar Dahibhate	Principal Technical Officer	Digital Information Resource Centre, National Chemical Laboratory, Pune	Referencing
9.	Dr. Prabodh Chobe	General Manager	BASF, Mumbai	Science motivation
10	Prof. Shobhana Narasimhan	Professor	Jawaharlal Nehru Centre for Advance Scientific Reserach, Bengaluru	Scientific writing of research papers
11	Dr. Atul Deshpande	Assistant Professor	IIT, Hyderabad	Nano science
12	Dr. Anirban Hazra	Assistant Professor	Indian Institute of Science Education and Research Pune	Computational Chemistry
13	Dr. Sanjeev Kulkarni	V.P	Lupin, Pune	Medicinal Chemistry
14	Dr.Dnyaneshwar Gawas	Scientist	VerGo Pharma, Goa	Organometallics
15	Prof.B. S. M. Rao	Professor	Indian Institute of Science Education and Research Pune	Physical Chemistry
16	Prof. Ravindra Jaybhaye	Professor	OSD, BCUD, University of Pune	Academic Initiatives
17	Dr. Anand Gole	Sr. Scientist	Tata Innovation Center, Pune	Nano materials synthesis and applications
18	Dr. Nitin Patil	Sr. Scientist	IICT, Hyderabad	Catalyzed reactions in organic synthesis
19	Mr. Rohidas Mundhe	Scientist	Forensic science	Chemistry in Forensic Science'

20	Dr. Pramod Kale	Scientist	Indian Women Scientist Association	Mars Orbiter Mission
21	Dr. Anant krishnan	Scientist	Indian Women Scientist Association	Popularisation of Science
22	Prof. Ashok Thorat	Professor	Savitribai Phule Pune University	How to face interview for jobs.
23	Prof .Capt. C. M. Chitale	Head,PUMBA	Savitribai Phule Pune University	Guidance on Soft Skill Development
24	Prof. Shridhar Gokhale	Professor	Savitribai Phule Pune University	Guidance on Soft Skill Development
25	Prof. Dr. G.S. Rashinkar,	Professor	Shivaji University, Kolhapur	Organic synthesis and preparation for competitive exams

25. Seminars/ Conferences/Workshops organized & the source of funding

Sr. No	Funding Agency	Details
1	Board of College and University Development (BCUD), SPPU	National Seminar: Dates 2-4 February,2012
2	Board of Students' Welfare, Savitribai Phule Pune University	A three days Workshop on "Guidance for NET-SET examinations" from 2 nd March to 4 th March 2012 .-
3	Self Funded	One day Workshop on S.Y. Bsc. Syllabus Restructuring on 28 September 2013
4	Board of Students' Welfare, Savitribai Phule Pune University	A two days Workshop on "Developing Technical Skills for Placements" from 15 th Jan to 16 th Jan 2014.
5	Indian Women Scientists association, Pune Branch, Pune	One day Workshop on "Popularization of Science", on 3 rd February 2015.

6	Board of Students' Welfare, Savitribai Phule Pune University	A three day Workshop on "Guidance for NET-SET examinations" from 9 th March to 11 th March 2015
7	DBT STAR College Scheme	Summer training workshop for S.Y.BSc. students on Analytical Techniques on 25-27 June 2015.
8	DBT- STAR College Scheme	One day Workshop for undergraduate students on 'Science Motivation' by Dr. Prabodh Chobe, Retd. Director, BASF, under on 16 th February 2016
9	Board of Students' Welfare, Savitribai Phule Pune University	A three day Workshop on "Guidance for NET-SET examinations" from 2 nd March to 4 th March 2016-

26. Student profile programme/course wise:

Year	Name of the Course/programme UG-B.Sc., PG-M.Sc. Organic Chem.	Applications received	Selected	Enrolled		Pass %
				*M	*F	
2011-12	UG-	19	19	08	11	87
	PG-	141	48	28	08	75
2012-13	UG-	30	30	10	20	90
	PG-	140	48	30	08	75
2013-14	UG-	26	26	04	22	88
	PG-	221	48	11	24	76
2014-15	UG-	38	38	20	18	84
	PG-	125	48	23	23	85
2015-16	UG-	30	25	11	14	—
	PG-	160	45	22	22	—

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG	90%	10%	—
PG	96%	04%	—

28. How many students have cleared national and state competitive examinations such

as NET, SLET, GATE, Civil services, Defense services, etc.? - 13

29. Student progression:

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	–
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	–
Employed	
• Campus selection	50%
• Other than campus recruitment	20%
Entrepreneurship/Self-employment	3%

30. Details of Infrastructural facilities

- Library-Central-870 books (Rs.9,60,097/-)
Departmental-200 books.
- Internet facilities for Staff & Students-Yes, all computers have internet facility.
- Class rooms with ICT facility-F.Y.B.Sc-Div-A-A2, div B-A3, S.Y.B.Sc-C-10,
T.Y.B.Sc-C-5, M.Sc I-&II-L9.
- Laboratories-04, Store rooms-02, Instrument room-01

31. Number of students receiving financial assistance from college, university, government or other agencies-

About 50% students get Free-ships or Scholarships from various agencies.

32. Details on student enrichment programmes

(special lectures / workshops / Seminar) with external experts

National Seminar on “Newer Trends in Chemical Research and Writing of Scientific Research Papers” was organized from 2nd Feb to 4th Feb 2012.

- A three day Workshop on “Guidance for NET-SET examinations from 2nd March to 4th March 2012.
- A two day Workshop on “Developing Technical Skills for Placements” from 15th Jan to 16th Jan 2014.
- A three day Workshop on “Guidance for NET-SET examinations” from 9th March to 11th March 2015.
- Summer training workshop for S.Y.BSc. students on analytical techniques under DBT- STAR College Scheme on 25-27 June 2015.
- One day Workshop for undergraduate students on ‘Science Motivation ’ by Dr. Prabodh Chobe, Retd. Director, BASF, under DBT- STAR College Scheme on 16th February 2016.
- S.Y and T.Y B. Sc students attended International conference on Nano-science and Technology on 29th Feb- 2nd March 2016 at IISER, Pune
- A three day Workshop on “Guidance for NET-SET examinations” from 2nd

March to 4th March 2016.

- Lecture series by Dr. Suvarna Bobade from Psychology department for under graduates on “How to study effectively”.
- Lectures by Indian Women Scientist Association Members.
- Lectures by eminent scientists as mentioned in point 24.
- Industrial and academic institution visits.
- Participation of students in inter college competitions and workshops.

33. Teaching methods adopted to improve student learning-

Power point presentations, videos, use of internet, ball and stick models, cooperative learning, posters and projects, tests, assignments, quizzes, surprise tests, aptitude tests, interactive sessions with internal and external experts, case studies, remedial teaching, guest lectures, seminars, group discussions, chemistry software, industrial visits, remedial teaching, tests and assignments.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Participation in NSS college camps, Cleanliness drive on college campus under Swacha Bharat Abhiyan, checking potability of water, cleaning of fountains, social work, counseling to students, creating environment awareness etc.

35. SWOC analysis of the department and Future plans

Strength:

- Qualified young enthusiastic staff,
- Wide expertise in the subject
- Good students-teachers rapport,
- Healthy working atmosphere
- Supportive non-teaching staff
- Good Infra-structure
- Analytical instrument like UV-Vis. Spectrophotometer, Microwave reactor,
- 4 -station Soxhlet, Rotary Evaporator, Muffle furnace etc,
- Adequate glass ware and chemicals
- Internet and LCD Facility
- Good coordination among staff
- Location of College near to NCL, SPPU, ARI, IISER etc
- Uninterrupted electric supply because of solar and windmill power generation..

Weakness-

- Students with lower academic standard.
- Less books in Departmental Library.

- No access to scientific databases like Scifinder and Reaxys.
- Insufficient non teaching staff.
- Less permanent and approved staff.
- Limited space for expansion.

Opportunity-

- Enhance research.
- Procure research grants.
- Establish research centre.
- Collaborations, tie ups and MOU with industries and other institutes.

Challenge-

- Because of lower academic standard of some students at entry level more efforts are needed to upgrade them.
- More involvement of students required.
- To complete the prescribed syllabus within the limited time.

Best Practices:

- Reuse of papers by making paper boats used in practicals and Recycling of solvents used for practicals solvents are recovered by using rotary evaporator.
- Student-teacher interaction to maintain healthy teaching –learning atmosphere.
- Participation of students in various competitions.
- Encouraging staff and students for research work.
- Participation of staff in various workshops, conferences, faculty development programmes and extra-curricular activities.
- Conducting a number of enrichment programmes for students and staff. Interaction with alumni.
- Cooperative learning group activities are conducted so as to make the learning interesting by understanding, analyzing and expressing the topic given.

Future Plan-

- To arrange a workshop on computational chemistry for teachers.
- To arrange lecture series for students by experts in various fields in chemistry.
- To establish Research Centre in chemistry
- To organize Research conference in chemistry.
- To procure more research grants.

Annexure 1

- Madhuri S. Kulkarni , Revati Nagarkar, “A Convenient Synthesis of Exoderil” Environment Observer, Volume-13,201, 2013, ISSN 2322-5997.
- Dr. Madhuri Kulkarni , Mrs. Ketaki Saravate, Proceedings of “Advances in Chemical sciences with special referenc to Molecular Spectroscopy, Material Science and Organic Electronics” .” Green synthesis of a novel derivative of 3,4-dihydropyrimidinones”, , Pages 24-25, 2014, ISBN No. 978-93-5196-222-9.
- Mukula S. Kulkarni, B. S. M. Rao, Redox chemistry of copper complexes of 6,7-dicyanodipyrido quinoxaline; *Inorg. Chim. Acta.*; 2010, 363 (8), 1813-1817, ISSN: 0020-1693 (Impact factor: 2.046).
- P Joshi, M Kulkarni, S Joag, “ Higher antioxidant activity in decoction than raw fruit parts of Lagenaria siceraria (Mol.) Standley as determined by pulse radiolysis”, Free Radicals and Antioxidants 2013, 3 (1), 52-54, ISSN: 2231-2536 (Impact factor: 1.272).
- Sushma R. Katade, Usha Phalgune, R.D. Wakharkar and Nirmala Deshpande, “Isolation and Characterization of co-steroid from *S. guttata*”, Environment Observer, 229 Vol.13, Oct.2013. ISSN 2322-5997.
- Dr. Sushma Katade and Dr. Pushpa Pawar, Bioefficacy of himalayan Doop as a mosquito repellent, ISBN-978-81-98564-2-1, 102, 2016.
- N.S.Rajurkar and Mohini Kute, “Activation energy for diffusion of Fe^{3+} ions in agar gel medium containing $\text{Fe}_2(\text{SO}_4)_3$ ”, Environment Observer, 13, 99-100, 2013,ISSN 2322-5997.
- K Joshi, K Selvaraj, N Rathod, D Malkhede, A DFT based study on complexation behavior of hexasulphonatocalix (6) arenes with Zr (IV) and Th (IV) metals, Proceedings of the DAE-BRNS fourth interdisciplinary symposium on materials, 2012.
- A. Rao, N.V Rathod, D.D Malkhede, VV Raut, KL Ramakumar, Supercritical carbon dioxide extraction of uranium from acidic medium employing calixarenes, Separation Science and Technology 48 (4), 644-651, 2013.
- NV Rathod, A Rao, P Kumar, KL Ramakumar, DD Malkhede,“ Complexation with calixarenes and efficient supercritical CO_2 extraction of Pb (ii) from acidic

- medium”, New Journal of Chemistry 38 (11), 5331-5340,2014.
- S Gawhale, A Jadhav, N.V.Rathod, D Malkhede, G Chaudhari; “Inclusion complex formation of ternary system: Fluorescein-p-sulfonato calix [4] arene- Cu^{2+} by cooperative binding”; Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 148, 382-388, 2015 (impact factor-2.2).
 - NV Rathod, A Rao, P Kumar, KL Ramakumar, DD Malkhede, “ Studies on complexation and supercritical fluid extraction of Cd^{2+} with calixarenes, Ind.Eng.Chem.Res, ACS,54,3933-3941,2015.
 - Joice Thomas, Jubi John, Nikita Parekh, Wim Dehaen, “A metal free 3-component reaction for the region-selective synthesis of 1,4,5-trisubstituted 1,2,3-triazoles”; Angew. Chem. Int. Ed 38, 2014, (impact factor = 11.26).
 - Nikita Parekh, Joice Thomas, Jubi John, Radhika Kusurkar, Wim M. De Borggraeve, and Wim Dehaen* “Synthetic Protocol toward Fused Pyrazolone Derivatives via a Michael Addition and Reductive Ring Closing Strategy”; J. Org. Chem 2014, 79 (11), 5338-5344,(impact factor = 4.721).
 - Jubi John, Joice Thomas, Nikita Parekh and Wim Dehaen*, “Tandem Organocatalyzed Knoevenagel Condensation/1,3-Dipolar Cycloaddition towards Highly Functionalized Fused 1,2,3 Triazoles”; European J.Org.Chem. Volume 2015, Issue 22, 4922–4930, 2015, (impact factor =3.065).

Evaluative Report of Department of Computer Science

1. Name of the Department / Faculty : Computer Science

2. Year of Establishment: 1996

3. Name of Programs/ Courses offered:

S.No	U.G	P.G
1	B.Sc (Computer Science)	M.Sc (Computer Science)
2		M.Sc (Computer Applications) Formerly MCA (Science)

4. Name of Interdisciplinary Courses and the Departments/ Units involved:

S.No.	Name of Department	Name of Course	Name of the Staff	Academic Year
1	B.Voc.	Making Bakery Products Skill Development Course	Ms. Dipali Tamhane	2015-16

5. Annual/ Semester/ Choice based credit System (program wise)

Under Graduate

F.Y.B.Sc.-Annual

S.Y.B.Sc. & T.Y.B.Sc.-Semester

Post Graduate

M.Sc.(Computer Science): Choice Based Credit System

M.C.A. (Science.): Choice Based Credit System

6. Participation of the department in the courses offered by other departments:

Sr.	Name of Department	Name of Course	Name of the Subject	Name of the staff	Academic Year
1	Biotechnology	BSc. Biotechnology	Use of Computers	Ms. Pallawi Patil	2011-15
2	Biotechnology	BSc. Biotechnology	Use of Computers	Mrs. Trupti Kalyankar	2015-16
3	Physics	BSc. Physics (T.Y.)	Computational Physics	Mr. Niket Tajne	2014-15 2015-16

4	Mathematics	BSc. Mathematics (T.Y.)	C Programming	Mrs. Dipali Meher	2011-12, 2012-13, 2013-14
5	Mathematics (UnderDBT)	BSc Mathematics	C Programming	Mr. Niket Tajne	2014-15
6	Mathematics (UnderDBT)	BSc Mathematics	C Programming	Mr. Nilesh Arote	2014-15, 2015-16
7	B.Voc.	B.Voc.	Use of Computers	Mr. Niket Tajne	2015-16
8	Microbiology, Commerce Chemistry, Economics	M.Sc (Micro), M.Com, MA	Introduction to Cyber Security	Mr. Amol Patil	2014-15, 2015-16
9	Microbiology, Chemistry	M.Sc (Micro), M.Com, MA	Introduction to Cyber Security	Ms. Sonal Kulkarni	2014-15, 2015-16

7. Courses in Collaboration with other Universities, Industries, Foreign Institutions etc:

- i) Elementary Japanese Language Course conducted with FTB Private Software Company, Pune for Post graduate students and staff.
- ii) Android Workshop conducted for Postgraduate students and staff with Omega Software solutions Private Ltd. Software Company, Pune.

8. Details of Courses/ Programme discontinued (if any) with reasons: NIL

9. Number of teaching posts:

A.Y.	2015-16		
	Sanctioned	Filled	Actual (including CAS&MPS)
Professor	-	-	-
Associate Professors	-	-	-
Asst. Professors	23	23	-
Others	07	06	05

10. Faculty profile with name,qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil.etc.)

Sr.	Name	Qualification	Designation	Specialization	Year of Experience
1	Dr.S.S.Bhatambrekar	M.Sc, M.Phil.(Physics), M.C.A, Ph.D. (Computer Science)	H.O.D.	Comp.Sci.	24
2	Mr. Kumod Sapkal	M.C.A, NET, JRF, Ph.D pursuing)	Asst. Prof.	Comp.Sci.	15
3	Dr. Pallawi Bulakh	M.Sc.(Comp.Sci.), M.Phil. (Comp. Sci.), NET,Ph.D.	Asst. Prof.	Comp.Sci.	15
4	Mrs. Dipali Meher	M.C.S, M.Phil. (Comp. Sci.), NET, Ph.D.(pursuing)	Asst. Prof.	Comp.Sci.	12
5	Mrs. Ranjana Shevkar	M.Sc.(Scientific Computing),SET M.Phil. Pursuing)	Asst. Prof.	Comp.Sci.	12
6	Mr. Ambike Satish	M.C.A, Ph.D.(pursuing)	Asst. Prof.	Comp.Sci.	7
7	Ms. Sonal Kulkarni	M.Sc. (Comp.Sci.)	Asst. Prof.	Comp.Sci.	9
8	Mrs.Trupti Kalyankar	M.Sc. (Comp.Sci.)	Asst. Prof.	Comp.Sci.	12
9	Mrs.Smita Dhongade	M.Sc. (Comp.Sci.)	Asst. Prof.	Comp.Sci.	9
10	Mrs. Meenal Jabde	M.Sc. (Comp.Sci.)	Asst. Prof.	Comp.Sci.	9
11	Mrs.Monika Deshmane	M.Sc.(Comp.Sci.) NET	Asst. Prof.	Comp.Sci.	5
12	Ms. Dipali Tamhane	M.Sc.(Comp. Sci.),SET	Asst. Prof.	Comp.Sci.	2
13	Mr. Prasanna Chavan	M.C.A	Asst. Prof.	Computer Application	6
14	Mrs. Nisha Thorat	M.C.A.	Asst. Prof.	Comp.Sci.	4
15	Mrs.Swati Suratran	M.Sc.(Comp. Sci.)	Asst. Prof.	Comp.Sci.	13
16	Mr. Nilesh Arote	M.Sc. (Comp.Sci.)	Asst. Prof.	Comp.Sci.	4
17	Mr. Niket Tajne	M.C.A.Ph.D. (pursuing)	Asst. Prof.	Comp.Sci.	4
18	Mr. Ninad Thorat	M.C.A.NET, Ph.D.(pursuing)	Asst. Prof.	Comp.Sci.	4

19	Mr. Amol Patil	M.C.A.SET	Asst. Prof.	Comp.Sci.	2
20	Mr. Vedant Mulay	M.Sc. (Comp.Sci.)	Asst. Prof.	Comp.Sci.	2
21	Mrs. Ashwini Pawar	M.Sc. (Comp.Sci.)	Asst. Prof.	Comp.Sci.	1
22	Mrs. Mayuri Gosavi	M.Sc. (Comp.Sci.)	Asst. Prof.	Comp.Sci.	1
23	Mr.Chirantan Dixit	BE(ComputerScience) ,MBA,M.E(Computer) Ph.D pursuing	Asst. Prof.	Comp.Sci.	3

11. List of senior visiting faculty:

Sr.	Name of the Lecturer	Topic
1	Mr. Mohite Veerdhawal	Software Project Management
2	Mr. Akshay Waghmare	Softskill
3	Mr. Atul Kahate	Cryptography, Networking
4	Mr. Sankar Kalmani	Current Trends in IT
5	Mr. Sameer Mahajan	Role of OS and its Functions
6	Mr. Sudhanwa Kopardekar	Opportunities in IT enabled
7	Mr. Rushikesh Joshi	Basic Types of Cyber crime
8	Mr.Vaishali Kunchur	UML Diagram
9	Mr. Atul Kahate	Network Security
10	Dr. Anil Sahastrabuddhe, Director of College of Engineering,	Career in computers
11	Dr. Sanjay Kadam	Neural Networks
12	DR.V.K Jayraman	Genetic Algorithms
13	Dr. Shailaja Shirwaikar, HOD, NESS Wadi College, Reader, SPPU	Genetic Algorithms
14	Dr. G.S. Mani - Member &Membership Development IEEEJSCOE, Pune.	Fuzzy Logic
15	Mr. Atul Kahate	Soft Skill
16	Mr. PranavWangikar– I.T Expert, Persistent	Digital Image Processing
17	Mrs. JyotiYadav -HOD, B.RGholapcollege	Fuzzy Logic
18	Dr.Vasudeo Gade,ViceChancellor, University of Pune	IT
19	Mrs. Kalyani Salla-Asst. Prof. Modern College Shivajinagar	Neural Networks
20	Mr. Pranav Wangikar –Persistent	Digital Image Processing
21	Mr.Atul Kahate	Cryptography
22	Mr. Sheetal Pansare, CEO Futurism Technology	Computer Science
23	Mr.Anand Deshpande	Computer science
24	Mr.Anand Sagar Shiralkar (FTB)	Industrial Training
25	Mr. Anjani Kumar Shukla- Manager Herbingar	Interaction2015
26	Mr.Atul Kahate	Soft Skill

27	Dr.Aditya Abhyankar- Dean,Faculty of Technology,University of Pune and Professor, Department of Technology, University of Pune And Research Associate at Clarkson University	Soft Skill
28	Ms. Rutuja Bhatambrekar	Introduction to Cyber Security
29	Madhavi Sood	Soft Skill
30	Anand Parchure	Soft Skill
31	Nidhi Puranik	Soft Skill
32	Mr.andMrs.Tulpule	Soft Skill
33	SuhasJoshi	Soft Skill
34	MadhaviSood	Soft Skill
35	Dr.DeepakShikarpur	Soft Skill
36	Mr.SachinTeke,CEOMObondCompany	Soft Skill
37	Dr.AnilSahatrabudheDirectorCOEP	Soft Skill
38	Mr.SheetalPansareCEOFuturism	Soft Skill
39	Mr.SanjayGandhiCEOJetking	Soft Skill
40	Dr.SadhanaNatu	Soft Skill
41	Mr.ParagShah	Soft Skill

12. Percentage of lectures delivered and practical classes handled by temporary faculties:

Sr.No.	AcademicYear	Percentage
1	2011-12	10%
2	2012-13	10%
3	2013-14	40%
4	2014-15	10%

13. Student –Teacher Ratio:

Course Name	Student-TeacherRatio
B.Sc(ComputerScience)	30:1
MSc(ComputerScience)	12:1
MCA(ScienceFaculty)	43:1

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled:

Academic Year	2015-16		
	Sanctioned	Filled	Actual
Technical(SystemAdmin.)	02	02	02

Others	01	--	--
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15. QualificationsofteachingfacultywithDSC/D.Litt./Ph.D./MPhil/PG.:

Degree	Number of Faculties
Ph.D.	2
M.Phil..	2
Ph.D. Registered	4
PG	15
NET/SET	7

16. Number of faculty with on going projects from (a) National (b) International funding agencies and grants received:**Proposal submitted projects:**

I) Major research project titled “Transliteration and MODI to Braille using pattern Recognition” is submitted by Dr.Pallawi Bulakh,, Mr. Niket Tajne and Mr. Amol Patil to the WOS-ADST for the duration of 18 months with amountRs.75000/.

II)Major research project titled“ Automated Brain tumor detection from MRI Images using adaptive thresholding” is submitted by Ms. Nisha Rathod and Mr.NinadThorat to the WOS- ADST for the duration of 18 months with amount Rs.75000/-.

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc. and total grants received:

No. of projects	Funded by	Amount
2	BCUD,SPPU	3,00,000/-

18. Research center/facility recognized by the university:

- **State Recognition:**
Cyber Crime Database Management System is developed with Maharashtra Cyber Police Cell, Pune in 2011-12.
- **National Recognition:**
Senior Life Member of Computer Society of India
Membership #00090597

19. Publications:

Number of papers published in peer reviewed journals (national/International) by faculty and students:

Sr.No	Name of the Staff	Number of Publications
1	Dr.S.S.Bhatambrekar	14
2	Dr.PallawiBulakh	5
3	Mrs.DipaliMeher	5
4	SonalKulkarni	2
5	MeenalJabde	1
6	SmitaDhongde	1
7	SatishAmbike	2
8	NiketTajne	1
9	NinadThorat	1

Details of Books with ISBN/ ISSN numbers with details of Publishers

Sr.No.	Book	ISBN/ISSN numbers	Details of Publishers
1	Design of Frame work for monitoring and mitigation of cyber Threats	ISBN 978-981-07-8757-8	TIJ Research Publication, PTE LTD., Singapore
2	ECIW210-9th European Conference proceedings on Information Warfare and Security, The Ssalonik, Greece	ISBN 978-1-906638-66-5	Academic Publishing Limited Reading UK
3	IEEE Conference proceedings Publication IEEE,2012	ISBN 978-93-80043-99	IEEE,2012
4	MPSC Rajya Seva Purva Pariksha Vidnyan Ani Tantradnyan	ISBn 970-81-317-9060-1	Pearson Publication
5	Advanced RDBMS using Oracle for MCM	ISBN 978-93-501-6150-0	Vision Publication

Sr.No.	Detail/Particulars	Total
1	Monographs	1
2	Chapter in Books	1
3	Books Edited	1
4	Books with ISBN/ISSN numbers with details of publishers(Annexure-I)	5
5	Citation Index	1
6	SNIP	1
7	SJR	1
8	Impact factor	1
9	h-index	1

20. Areas of consultancy and income generated:

Consultancy:

- Website development and MRP (Material Resource Planning) with free of cost
- Career Guidance

21. Faculty as members in

(a) National Committees

Dr. Shubhangi Bhatambrekar
Life Member of Computer Society of India
Membership #00090597

(b) International committees

Dr. Shubhangi Bhatambrekar worked as Session Chair at **International Institute of Engineers and Researchers (IIER)**
International Conference, Singapore and Bangkok, Thailand during 2015-16

(c) Editorial Boards

Dr. Shubhangi Bhatambrekar
Dr. Pallawi Bulakh
Prof. Dipali Meher
Online Research Journal of Department of Computer Science, Modern College, Ganeshkhind, Pune (in process)

d) Any other

Dr. Pallawi Bulakh appointed as Board of studies (BOS) Member at Bharti Vidyapeeth Deemed University, Pune

22. Students projects:

- a) Percentage of students who have done in-house projects including inter departmental/programme: **100%**
Under the skill development subject(Product Life Cycle)
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies **100% (I.T Projects)**

23. Awards/ recognition received by faculties and students:

Sr.No.	Name of the Staff	Award
1	Dr.Bhatambrekar S.S.	Ph.D.
2	Dr.Pallawi Bulakh	Ph.D.

Name of the Staff	Agency	Name of the Award
Dr. Shubhangi Bhatambrekar	Shri Sai Pratishthan, Pune Rotary International District 3131	1.Netaji Subhash Chandra Bose Smruti Gaurav Puraskar (Award) in Computer Education Field
	Rotary Club of Pune Uptown	2.Member, Paul Harris fellow
	Rotary Club of Pune Uptown	3.New Generation Director 2010-13 Secretary 2013-14, President 2014-15

Sr. No.	Name of Student	Achievement
1	Pratik Gadekar	i)RLYLA –Rotary Leadership Youth Award by Rotary Club ii)Won 2 nd Prize in intercollegiate Competition of aero modeling from VIIT Institute of Pune
2	Sabyasachi Chatterjee	Won 1 st Prize in harmony intercollegiate singing Competition(for duet singing at Harmony)
3	Steffi Michael	Won 1 st Prize in harmony intercollegiate singing Competition (for duets singing at Harmony)
4	Saddam Hussain	Won 1 st Prize in seminar presentation in More College
5	Harish Kholam	Good IELTS Score
6	Amar Oak	Renowned Flute Artist
7	Akshay Waghmare	Renowned Actor/Model
8	Pragati Muly	Works in Cognizant company & teaches mathematics to under privileged girls

9	Swapnil Belgaonkar	Photography
10	Chaitanya Deshpande	Social media advertising
11	Shantanu ManoharSardesai	The Bank of New York, Mellon
12	VarshaJadhav	State Level Athletic
13	DeepikaCharan	State Level Athletic,NCC

24. List of Eminent academicians and Scientist/ Visitors to the department.

Sr.No.	Name of Guest
1	Hon.Dr.Vasudev Gade Vice chancellor, SPPU
2	Dr.Aditya Abhyankar-Dean, Faculty of Technology,SPPU and Research Associate at Clarkson University, USA
3	Dr.K.C Mohite, Dean Science Faculty, SPPU
4	Dr.P.K Sinha Senior Director. C-DAC, Pune
5	Dr.Deepak Shikarpur, Chairman Literacy Committee, MCCIA
6	Rtn.Prashant Deshmukh,District Governor Rotary District 3131
7	Dr.Anand Deshpande,MD Persistent, Pune
8	Mr.Kaustubh Bhadbhade, HR Manager, Persistent, Pune
9	Mr.Nadkarni COSMOS Bank, Pune
10	Mr.Atul Kahate IT Expert, Pune
11	Mr.Sudhanwa Kopardikar MCCIA, Pune
12	Mr.Anjani Kumar, HR Manager,Harbinger, Pune

25. Seminars/ Conferences/ Workshops organized and the source of funding

(National /International):

- Every year department organizes SOFTSKILL Workshop for Post graduate students with college funding.
- Every year department conducts “INTERACTION” Inter collegiate competitions where in all students of (UG+ PG) Computer Science under Savitribai Phule Pune University participate. This event is conducted from sponsorships from various company’s /organization/institutes and college fundings.

26. Student profile Programme/ course wise:

Academic Year	Name of the Course/program	Applications received	Selected	Enrolled		Pass Percentage
				*M	*F	
2011-12	F.Y.B.Sc (Comp.Sci.)	271	271	141	130	62.43
	S.Y.B.Sc. (Comp.Sci.)	151	151	69	82	74.23
2012-13	F.Y.B.Sc (Comp.Sci.)	165	165	71	94	72.1
	S.Y.B.Sc. (Comp.Sci.)	193	193	77	116	57.94
	T.Y.B.Sc. (Comp.Sci.)	153	153	81	72	61.58
2013-14	F.Y.B.Sc. (Comp.Sci.)	219	219	106	113	63.33
	S.Y.B.Sc. (Comp.Sci.)	190	190	127	63	74.33
	T.Y.B.Sc. (Comp.Sci.)	163	163	73	90	55.90
2014-15	F.Y.B.Sc. (Comp.Sci.)	221	221	133	88	56.75
	S.Y.B.Sc. (Comp.Sci.)	140	140	55	85	64.86
	T.Y.B.Sc. (Comp.Sci.)	131	131	57	74	54.09

*M=Male, *F=Female

27. Diversity of students

Academic Year	Name of the Course	Percentage of students from the same state	Percentage of Students from Other States	Percentage of Students from Other States Students from Abroad
2011-12	F.Y.B.Sc. (Comp.Sci.)	99.27	0.73	0
	S.Y.B.Sc. (Comp.Sci.)	99.34	0.66	0
	T.Y.B.Sc. (Comp.Sci.)	99.3	0.6	0

2012-13	F.Y.B.Sc. (Comp.Sci.)	98.2	1.8	0
	S.Y.B.Sc. (Comp.Sci.)	100	0	0
	T.Y.B.Sc. (Comp.Sci.)	100	0	0
2013-14	F.Y.B.Sc. (Comp.Sci.)	99.6	0.4	0
	S.Y.B.Sc. (Comp.Sci.)	98.95	1.05	0
	T.Y.B.Sc. (Comp.Sci.)	98.5	0.8	0
2014-15	F.Y.B.Sc. (Comp.Sci.)	99.2	0.4	0.4
	S.Y.B.Sc. (Comp.Sci.)	98.6	1.4	0
	T.Y.B.Sc. (Comp.Sci.)	98.9	0	0

Name of the course	Percentage of students from the same state	Percentage of students from other States	Percentage of Students from abroad
MSc(Comp.Sci.)	96%	3%	1%
MCA(Science)	96%	3%	1%

28. How many students have cleared national and competitive examination?

Sr.No.	Name of the Student	Exam	Post
1	Shivraj Hale (BSc) 2011	MPSC	PSI at Gadchiroli
2.	Tushar Surwase (MCA) 2012	MPSC	Thane Nagarpalika
3.	Abhishek Deshpande (MSc) 2014	UPSC	Defense Academy, Dehradun
4.	SurajPatilMCA(2013)	Army Education Havildar	Education Instructor

29. Student progression:

Student Progression	Against % Enrolled
U.G to P.G	90%
P.G to M.Phil.	1%
P.G to Ph.D.	1%

Ph.D.to Post-Doctoral	Nil
Employed	70%
<ul style="list-style-type: none"> • Campus Selection • Other than Campus recruitment 	50%
Entrepreneurship/Self-employment	5%

30. Details of infrastructural facilities:

- Library: Central Digital library made available to staff and students
- Internet facilities for Staff & Students: 24 hours BSNL 10 MBPS
- Class rooms with ICT facility: 04
- Laboratories: 04

31. Number of students receiving financial assistance from college, university, government or other agencies.

Academic Year	Agency/ Name of the scheme	Class	Number of Students
2011-12	Post S.S.C. scholarship (Govt. of India)	F.Y.Comp.Sci.	04
		S.Y.Comp.Sci.	02
	Freeship	F.Y.Comp.Sci.	27
		S.Y.Comp.Sci.	10
2012-13	Post S.S.C. scholarship (Govt. of India)	F.Y.Comp.Sci.	01
		S.Y.Comp.Sci.	--
	Free ship	F.Y.Comp.Sci.	26
		S.Y.Comp.Sci.	20
2013-14	Post S.S.C. scholarship (Govt. of India)	F.Y.Comp.Sci.	26
		S.Y.Comp.Sci.	05
		T.Y.Comp.Sci.	07
	Free ship	F.Y.Comp.Sci.	06
		S.Y.Comp.Sci.	05
		T.Y.Comp.Sci.	05
2014-15	Post S.S.C. scholarship (Govt. of India)	F.Y.Comp.Sci.	38
		S.Y.Comp.Sci.	14
		T.Y.Comp.Sci.	05
	Free ship	F.Y.Comp.Sci.	10
		S.Y.Comp.Sci.	4
		T.Y.Comp.Sci.	05

2015-16	SC Scholarship	MCA-II	3
		MCA-III	2
		M.Sc-I	3
		M.Sc-II	2

32. Details on student enrichments programmes (special lectures /workshops/seminar) with external experts:

- Online form filling facility
- Online admission system
- Department is conducting Soft Skill workshop from last 5 years for PG Students to improve their skill and for placement.
- Android Workshop for PG students is conducted by Mr. Abhishek Deshpande (Omega Solutions)
- Department has conducted Soft computing workshop for staff and PG students.
- Department conducts “INTERACTION” Inter collegiate competitions wherein all students of (UG+ PG) Computer Science under Savitribai Phule Pune University participate.
- Department organizes Guest lecturers in association with Computer Society of India and Persistent Private Software Company.
- Rotary programs like Leadership development (RYLA) and Blood donationcampareconducted.

33. Teaching methods adopted to improve student learning:

- ChalkandBoard
- Powerpointpresentation
- Audio-visualAids(Videorepresentationoftopic)
- Casestudymethod
- GroupDiscussionMethod
- LCD
- Assignments
- Seminars
- ExtratimeslotsforPractical/Projectsareallotted.
- Through-mails

34. Participation in institutional social responsibility (ISR) and extension activities:

Students take part in various activities of college and university namely:

- NSS: Through NSS programs student do survey of rural town to Identify and analyze the various aspects like Literacy percentage, male/female ratio, employment , income groups
- Disaster management: student take part in disaster management workshops

- Blood donation camp: Every year student take part in blood donation camp
- Alumni meet: Alumni helps in placement cell and also they give guidance/training to improve technical skills.
- Interaction(intercollegiate competition)
- ROTARACT CLUB: Department has started ROTARACT CLUB sponsored by Rotary Club of Pune Uptown through which various programs like leadership,managerialskillimprovement,treeplantationareconducted.

35. SWOC Analysis of the department and future plans:

Strength:

- Cooperative learning: **Cooperative learning** is a successful teaching **strategy** in which small teams, each with students of different ability levels, use a variety of **learning** activities to improve their understanding of a subject. By using this method, each of students will feel that he or she is an important member of the class.
- Upliftment of the socio-economically weaker students
- Excellent infrastructure for students and staff
- Four well equipped laboratories with 24 hours internet facility and all hardware's, software's.
- Qualified staff.
- Informal feed back by class teacher once in a week
- All labs are Air conditioned.
- Generator provision that allows uninterrupted power supply. This helps to conduct Computer practical, lectures and examination without interruption.
- Student computer ratio1:1
- Guidance by staff members to fill exam form, convocation form and admission form scholarship form.
- Website maintenance
- Actively functioning placement cell
- Good coordination among staff members.
- Faculties attended international conference, syllabus restructuring workshop, Choice based credit system for PG workshop
- Online Admissions
- Students hard working nature
- Participationofstudentsinvariousinterandintracollegiateactivitie
- Girls passing percentage is high
- Remedial Coaching
- Cultural activities/get together among staff and students
- Teachers day celebration
- Welcome function for F.Y students
- Student mentoring
- Student formal/informal feedback
- Defaulter list is maintained
- Uninterrupted solar supply

Weaknesses:

- Need of faculty development program
- Need of staff room for staff members
- Need of more LAPTOPs for staff and students
- Need of participation in faculty development program/workshop/seminar etc by staff members and students
- WiFi/Campus
- Need to organize more events
- Research publications
- Need of Alumni help in development of department.

Opportunities:

- College is centrally located in the Pune city and near to Pune University
- Staff members contribute in University bodies/committees etc.
- To conduct interdisciplinary courses

Challenges:

- Need of more research and publication activity
- Need of Improvement of result
- Need of faculty development programmes
- Need of more Student activities (curricular and extracurricular)

Future plans:

- Result improvement
- Model-open Source Learning Platform for all students (on line assignments/submission etc.)
- Help to student for further/higher studies
- Organization of workshop/seminars for staff and students sponsored by UGC and other governing bodies.
- Organization of national level/International level competitions for staff and students
- Actively participation of students in research activities
- Student's projects should be converted in research papers.
- Separate Placement Cell
- Practical Tips solving sessions for students
- Research Centre
- Study tour
- Industrial visit
- MOU with Industry
- Registration of staff for Ph.D.
- Wi Fi Campus
- Paper less work(e-working)
- Data warehouse & mining
- Industry Collaboration
- Cloud concept implementation
- Knowledge Bank for Staff and Students

All class rooms should be well equipped (white board, LCD, Internet,e-classroom)

- TABLET for Students
- Online feedback system
- Suggestion Research projects
- box in lab
- Technical workshops/sessions
- Semester wise parent teacher meeting.

Evaluative Report of the Electronics Department

1. **Name of the Department:** Electronic Science
2. **Year of Establishment:** 1996
3. **Name of Programs/ Courses offered:**
B.Sc (General)
B.Sc (Computer Science)
4. **Name of Interdisciplinary Courses and the Departments/ Units involved:**
 - B.Sc. (Computer Science)
 - B.Sc. Physics
 - B.Sc. Biotechnology
5. **Annual/ Semester/ Choice based credit System(program wise):**

System	Classes/Courses
Annual	F.Y.B.Sc. (General) and F.Y.B.Sc (Computer Sc.)
Semester	S.Y.B.Sc. (General)and S.Y.B.Sc (Computer Sc.)

6. **Participation of the department in the courses offered by other departments**
 - B.Sc. (Computer Science)
 - B.Sc. Physics
 - B.Sc. Biotechnology

7. **Courses in Collaboration with other Universities, Industries etc.**

Department runs Career Oriented Course in “*Embedded System and it’s Applications*” in collaborations with BICARD , SPHIRE Solutions and Logic Power Pvt. Ltd., who extend us technical assistance and skilled human resource in this field to impart industry standard skills to the students .

8. **Details of Courses/ Programme discontinued (if any) with reasons:** Nil

9. **Number of teaching posts:**

Designation	Sanctioned	Filled
Asst.Professors	6	6

10. Faculty profile with name, qualification, designation, specialization:

Name	Qualification	Designation	Specialization	No. of Years of Experience
Mrs. Varsha Joshi	M.Sc.(Physics)	Head, Assistant Professor	Electronics	27 years
Mrs. Saroj Hole	M.Sc. (Electronics),	Asst. Professor	Polymer Science and Nano composites	26 yrs.
Mrs. Salunke Vaishali S.	M.Sc. (Electronics), SET,	Asst. Professor	Biometrics Digital System Design, Microprocessor and Microcontroller	15 yrs.
Mrs. Bhadane Mrunalini P.	M.Sc. (Electronics), SET, ADCSSA	Asst. Professor	Microfluidics	20 yrs.
Mrs. Bapat Varsha M.	M.Sc. (Electronics), SET, Diploma in Financial Service	Asst. Professor	Agri. Electronics and WSN	21yrs.
Mrs. Pathakji Pradhnya B.	M.Sc. (Electronics), SET,	Asst. Professor	Digital System Design, Microprocessor and Microcontroller, Communication Electronics	14 yrs.
Mr. Kumbhar Deepak S.	M.Sc. (Electronics), NET, Diploma in VLSI, CCNA	Asst. Professor	WSN and Embedded System Design.	17 Yrs.

- Two of the staff members completed **Training on Nuvoton Nu Micro Arm Cortex-M0 & its Applications**.
- Two of the staff members completed three months certificate course in **Embedded System Design** from Govt. College of Engineering, Pune.
- One of the staff member completed Training Program on **Solar Photovoltaic Technology**

11. List of senior visiting faculty:

S.No	Name of the faculty	Institute/Industry associated with
1.	Mr.Sandeep Agashe	Sandeep Agencies
2.	Mr.Shivam Khole	Sphire Solutions
3.	Ms. Asma Shaikh	Sphire Solutions
4.	Mrs. Neeta Nimje	BICARD

5.	Mr. Amit Kulkarni	BICARD
6.	Mr. Salluddin	BICARD
7.	Mr. Hemant Chaudhari	BICARD
8.	MrAkhalaku Khan	BICARD
9.	Mrs. Nisha Patil	BICARD
10.	Mr.PramodChavan	Logic Power

12. Percentage of lectures delivered and practical classes handled by temporary faculties: NIL

13. Student –Teacher Ratio:

Programme	Theory	Practical
B.Sc (General)	14:1	15:1
B.Sc (Comp. Sci)	40:1	20:1

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled.

Category	Sanctioned	Filled
Academic Support Staff (Technical)	1	1
Administrative Staff	2	2

15. Qualifications of the faculty with D.Sc/D.Litt/Ph.D/M.Phil.

- M.Sc - 06
- One of the Six staff members has submitted thesis for Ph.D.
- 3 of the 6 staff members are pursuing Ph.D.

16. Number of faculty with ongoing projects from (a) National (b) International funding agencies and grants received:

Four of the staff members submitted proposal for minor research project to Board of College and University Development, SPPU,Pune. One has got sanctioned.

Type	Name	Sanctioning Authority	Amount
Minor Project	Vigilant Attendance System	Board of College and University Development, SPPU, Pune .	1.65 lakhs

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc. and total grants received.

- Department is supported under DBT-STAR College Scheme and is recipient of funds of Rs. 5 lakh for non-recurring and Rs. 2lakh/annum for recurring expenses for four years.
- College Time Table Display and Classroom Time Table Display, developed by under graduate student, are the indigenous projects supported under DBT STAR College Scheme.
- UGC has sanctioned grant of Rs. 10 lakh to the department under scheme of Career Oriented Courses. Under this scheme U.G. students were exposed to industry standard technical training and they acquired skills to develop various projects having market competency with social concern.

18. List of the projects developed under this scheme:

S.No.	Area of Application	Projects Developed
1.	Automation	a. Class room time table b. College Time Table c. Gas Sensor d. Student attendance monitoring system using RFID e. Student attendance monitoring system using RFID and feedback with GSM f. Automatic Car Parking g. Automatic Room Light Control h. visitor counter i. DTMF Car Control j. line following robot
2.	Agro electronics	a. Automatic Plant Irrigator b. Irrigation Control by using WSN
3.	Renewable Energy	Solar tracking system
4.	Biomedical Instrumentation	a. Heart Rate Monitor b. Talking thermometer for Blind People.

18. Research center/facility recognized by the university: Nil

19. Publications:

- Number of papers published in peer reviewed journals (national/International) by faculty and students: 10

Mrs. Saroj S. Hole, Polyaniline ,Preparation of conducting Polymer in an International Journal of Basic and Applied Research,ISSN(Print):

ISSN (Online): 2249-3352, Vol.12, Special Issue Pg.12-19 NC RTP 2012 Impact Factor: 1.026

- Mrs. Saroj S. Hole, Facile route for preparation of CDS Nano particles in an International Journal of Scientific Reviews and Chemical Communication ISSN(Print):2277-2669, ISSN (Online): Vol.2(3), 2012,427-431, March 2012

Impact Factor: 0.631

- Mrs. Varsha Bapat, 'Energy Saving in WSN Employing Directed Connectivity Through Antennas with Specific Directional Pattern' in an International Journal of Pure & Applied Research in Engineering & Technology ,ISSN :2319-507,Vol 2(9):43-50_2014,Impact factor: 0.621
- Mrs. Varsha Bapat, 'Design Of A Compact Test-Jig For Opto-Interrupters In The Crop Field Perimeter.' Control in an International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering ISSN(Print):2320-3765, ISSN (Online): 2278-8875,Vol.4,Issue 8 August 2015, Impact Factor: 5.016
- Mr. Kumbhar Deepak S. Development of wireless sensor network for monitoring and analysis of concrete compressive strength development in early age concrete structure in an International conference on Functional Materials and Microwaves (ICFMM: 28-30 Dec.2015)and printed in an international journal Bionano Frontiers, ISSN(Print): 2320-9593, ISSN (Online):0974-0678 vol8. Issue-3, Impact Factor:4.6
- Mrs. Hole S.S., Synthesis of conducting polymer, National Journal of Advances in Nanostructures Science and Technology
- Mrs. Hole S.S., Electro active polymers in National conference held at HVPM College , Amravati University.
- Mrs. Varsha Bapat , 'Modeling of crop damage due to animal attack for technology assisted crop security system' in National conference on Wireless Technology
- Mrs. Varsha Bapat, Design Of A Compact Test-Jig For Opto-Interrupters used in Perimeter Control system against animal attack in National conference on Advances in Electronics and It's Interdisciplinary Applications
- Mrs. Varsha Bapat. 'Analysis of technology assisted crop security' in National Conference on Advances in Electronics held at Department of Technology, Shivaji University, Kolhapur.

(Number of Publications list in International Database (For E.g: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Science, etc. Directory, EBSCO host)

➤ **Chapters in Books: 02**➤ **Books Edited:02**➤ **Books with ISBN/ISSN numbers with details of publishers:**

Sr. No.	Name of the Text Book	Name of the author	Publication	ISBN number
1.	Digital System Hardware	Mrs. Varsha M. Bapat	VISION, AP Vision Design & Prints Pvt. Ltd. Sr.No. 83-2, Shivane Industrial Area, NDA Rd.Pune-23	978-93-5016-282-8
2.	The 8051 Architecture, Interfacing, and programming	Mrs. Varsha M. Bapat	VISION, AP Vision Design & Prints Pvt. Ltd. Sr.No.83-2, Shivane Industrial Area, NDA Rd.Pune-23	978-93-5016-299-6

Impact Factor: Cumulative 2.37

20. Areas of consultancy and income generated:

- **Areas of expertise:** Polymer Science and Nano composites
- Micro fluidics, Agri-Electronics, Wireless Sensor Networks, Embedded System Design, Biometrics, Digital System Design, Microprocessor and Microcontroller, Communication Electronics, sensors and instrumentation.
- Consultancy for Placement of M.Sc. Electronics students of Department of Electronic Sc., SPPU, Pune.
- Consultancy in development of Educational Kits.

21. Faculty as members in (a) National Committees (b) International committees (c) Editorial Boards

Three faculties are members of SPEED (Society for Promotion and Excellence in Electronics Discipline) organization run by Department of Electronics SPPU, Pune.

22. Students Projects

- a) **Percentage of students who have done in-house projects including interdepartmental/ programme: 50%**
- b) **Percentage of students who have done in-house projects including interdepartmental/ programme:**

80% of students, enrolled for UGC-COC course during year 2014-15, were placed in BICARD institute where they undergone Summer Training and developed the project.

23. Awards/ recognition received by faculties and students:

- Agri electronics based research project “Perimeter control system against animal attack” was selected for State level research project competition “Avishkar” organized by Savitribai Phule Pune University.
- One of the staff member was awarded with Hirkania ward by Lalitabai Murarka High School Pulgaon Dist-Wardha.

Awards / Recognitions received by students

Paper/Poster Presentation

- A student of T.Y.B.Sc. Comp.Sc. presented poster on “E- Scheduler” in National Conference in “Advances in Electronics and It’s Interdisciplinary Applications” held at Ferguson College, Pune
- A group of students from F.Y.B.Sc Computer Science. presented Paper on Wireless Sensor Network (WSN) in an intercollegiate competition held at Kaveri College.
- Students of S.Y.B.Sc. [Computer Science] presented paper on Wireless Sensor Network in Agri Electronics in an intercollegiate competition at Kaveri College of Science, Pune.
- Students of B.Sc. Computer Sc. presented a poster on vigilant attendance system using fingerprints in a research project competition “Avishkar” zonal level organized by B.R. Gholap college, Pune and Savitribai Phule Pune University, Pune

Prizes in Project /Essay competition

- Our students won 1st & 2nd prize in an inter collegiate Electronics project competition titled ‘PROELEX’ at Sinhgad College of Science, Pune.
- Group of students secured 2nd prize for “Attendance System using RFID” project in Electronic Project Competition organized by SPEED (Society for promotion

of Excellence in Electronics) Department of Electronics, Savitribai Phule Pune University and Fergusson College, Pune.

- F.Y.B.Sc. (Computer Science) students won 1st prize for the project “Traffic Light Control” in an project competition “Anubhuti ” organized by science association of our college .
- S.Y.B.Sc.[Computer Science] students won 3rd prize for the applied project “Gas Sensor” in an project competition “Anubhuti ” organized by science association of our college .
- Students of S.Y.B.Sc (Comp.Sc.) won 1st& 2nd prize in Essay Competition in “Electronics in Day to Day Life” organized by SPEED, Savitribai Phule Pune University and Fergusson College, Pune.

24. List of Eminent academicians and Scientist/ Visitors to the department:

S.No	Name of Academician /Scientist	Designation	Institute
1.	Dr. A.D. Shaligram	Head, Department Of Electronics,	Savitribai Phule Pune University, Pune
2.	Dr. U.M.Chaskar	Head, Department of Biomedical Instrumentation	College of Engineering, Pune
3.	Mr. Sharad Pustake	Advisor, Cleantech and Energy,	Science and technology Park, SPPU, Pune
4.	Mr. Vivek Velankar	Well-known Socialist and IT Professional	Patani Computers Pvt. Ltd.
5.	Dr. Deshpande. N	Associate Professor, Department Of Electronics,	Abasaheb Garware College, Pune
6.	Dr. Labade Vijay	Asst. Professor, Department Of Electronics,	Fergusson College
7.	Dr. Raka Dabhade	Associate Professor, Department Of Physics	Fergusson College
8.	Dr. Jayshree Bangali	Associate Professor, Department Of Electronics	Kaveri College , Pune
9.	Dr. Supriya Patil	Associate Professor, Department Of Electronics	Abasaheb Garware College, Pune
10.	Mr. S. Agashe	Freelance industrial project developer	Sandeep Agencies
11.	Mr. Gawdara Pandu	Corporate and Soft Skill Trainer	
12.	Mr. Googi Pramod	Expert in ANDROID technology	Synerzip Pvt. Ltd.
13.	Ms. Archana Sabarwal	Freelance Consultant in personality development	

25. Seminars/ Conferences/ Workshops organized and the source of funding:

- Local Workshops conducted under DBT-STAR college scheme funds for Faculty:
 - 1) Workshop in “Lab Safety” for laboratory Staff from various colleges under DBT-STAR college scheme funds .
 - 2) Interdisciplinary Workshop on Labview-7 software for the teaching faculty of Physics, Electronics and Mathematics.
- Local Workshops conducted under DBT-STAR college scheme funds for Students:
 - 3) Hands on Training in “PCB design using Eagle-7/Express PCB/ Steps involved in Electronic Product Design”, is conducted for last three years successfully.
 - 4) Hands on training in “Photo Voltaic system Installation and use of solar Energy”

26. Student profile Programme/ course wise:

Academic Year	Name of the Course /Programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2011-12	S.Y.B.Sc.(General)	14	14	1	13	67
	S.Y.B.Sc.(Comp.Sc.)	151	151	69	82	74.22
2012-13	S.Y.B.Sc.(General)	19	19	18	1	92.59
	S.Y.B.Sc.(Comp.Sc.)	193	193	77	116	57.94
2013-14	S.Y.B.Sc.(Comp.Sc.)	190	190	127	63	74.33
2014-15	S.Y.B.Sc.(General)	07	07	5	2	91.66
	S.Y.B.Sc.(Comp.Sc.)	140	140	55	85	64.86

*M=Male *F=Female

27. Diversity of students:**Percentage of students from the same state:- 98%****Percentage of students from the other state:- 2%****28. How many students have cleared national and competitive examinations****Civil services:**Mr. Shivraj N. Hale passed **MPSC** Examination and placed as PSI.Mr. Tushar Survase has passed **MPSC** Examination.

29. Student Progression

Student Progression	Against % Enrolled
UG to PG	90%
PG to M.Phil	1%
PG to Ph.D	1%
Ph.D. to Post Doctoral	Nil
Employed	
•Campusselection	70%
•Other than campus recruitment	15%
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities**a) Library:**

Reference books: 340

Text Books: 516

Journals: 2

Magazine:6

b) Internet facilities for staff & Students:

13 Access Points for students&staffwith 10 MBPSupload and download link facility by AIRCEL

c) Class rooms with ICT Facility: 4**d) Laboratories: 3(1146sq. ft.), Experimental kits-180, Computers-20,**

Application software- 8

31. Number of students receiving financial assistance from college, university, government or other agencies:

Year	Agency/Name of the scheme	Number of Students
2011-12	Post S.S.C. scholarship(Govt. of India)	06
	Free-ship	37
2012-13	Post S.S.C. scholarship(Govt. of India)	01
	Free-ship	46

2013-14	Post S.S.C. scholarship(Govt. of India)	21
	Free-ship	64
2014-15	Post S.S.C. scholarship(Govt. of India)	3
	Free-ship	23

- 13 Students have undergone summer training under UGC-COC Course.

32. Details on student enrichments programmes (special lectures/ workshops/ seminar) with external experts.

- **Workshops/Hands on Training for skill development**

1. PCB designing using Eagle-7,EXPRESS-PCB,
2. Test and measurement Instrument,
3. Component Identification,
4. Demonstration on advanced technologies: GSM Architecture and Antenna Characteristics

- **Guest lectures:** Smart Spaces, Internet of Things (IOT), Embedded Systems in Day to Day Life, Career Opportunities in Electronics, Android technology and application development, Mobile Technology
- **E-Quizo event:** Quiz in Snake and ladder Game Form.
- **E-Techno Event:** One minute games to improve technical skills among the students.
- **Industrial Visits:** The Electronics Pvt. Ltd Fine Automation (I) Robotics Pvt. Ltd.
- **Summer Training**
- **Promote participation in Project Exhibition like:**
- **‘Avishkar’** University level Research Competition
- **‘ANUBHUTI’** scienceexhibition arranged by the college,
- **Intercollegiate Project exhibitions** by various colleges
- **Seminars**
- **Remedial Coaching**
- **Special Lecture on Personality Development**

33. Teaching methods adopted to improve student learning.

1. Use of colored chalks to avoid confusion in complicated circuit connections.
2. Use of charts and power point presentations.
3. Group discussion conducted by teacher.
4. Students are encouraged to assist other students to promote peer learning.
5. Industrial Visits, Summer Trainingto convey the advanced knowledge in the field.
6. Workshops & Hands on trainingto impart skills of cutting edge technologies
7. Quiz- One minute Games: Learning through fun.

8. Remedial Teaching for under privileged students.
9. Use of websites for reference. (Data sheets, Presentation, Animation)
10. Tutorials, Home Assignments, Prelab
11. Questionnaires, Question paper solving
12. Demonstration of lab sessions by panel of instructors to interleave hardware and software during practical sessions.

34. Participation in institutional social responsibility (ISR) and extension activities:

- Survey on popularity of solar energy usage in Garade village during NSS camp.
- Project development for social cause :-
Development of agro electronics based project “Crop Security System”
2. Talking Thermometer for blinds
- Donations to national/local NGO/individuals:
 1. CRY Organization
 2. Cloth donation to KALPTARU Organization
 3. Part payment of fees of needy students.
- Staff members of the department sincerely carry out the assigned govt. Election Duties
- Staff members shoulder various College Responsibilities as either chairperson /coordinator of important committees like Examination, Placement Cell, College prospectus design, Student Journal Distribution or Active Member of College IQAC, College Time Table, Yuva Saptah, Staff Academy & Admission committee.

35. SWOC Analysis of the department and future plans:

Strengths:-

1. Well-equipped laboratory with internet facility.
2. Qualified, Creative and Enthusiastic staff.
3. Good team-work.
4. Career oriented and Skill development programs run by the department.
5. MOU with few Training Institute to increase industry interface.
6. Good research environment in the department.
7. Being member/chairperson of various committees of the college, Department staff could develop good rapport with other faculty/department.
8. Department is supported with solar, wind hybrid system generated electricity.
9. Student involvement in enrichment of resources.

Weaknesses:-

1. Research activity for the students.
2. Lack of formal consultancy services

Opportunities:-

1. Scope for design and implementation of various skill based courses in electronics.
2. Impart consultancy services in areas of interest.
3. Increase industry-academia interface

Challenges:-

1. To improve Results.
2. To improving student strength for the course.
3. To imparting industry standard technical skills.

Future Plans:-

1. Organize national and international seminar, conference/ workshop.
2. Design and implement Career oriented courses as per the Industry demand.
3. Organize skill development workshops.
4. Establish collaborations with Industry components through MOUs / Summer Training.
5. Impart consultancy services through the department.
6. Enhance Inter Departmental/ Interdisciplinary activities through the research projects.
7. Departmental E-Waste management.

Report of the Department of Mathematics

1. Name of the department : Mathematics
2. Year of Establishment : 1993
3. Names of Programs/Courses offered:

Sr. No.	Courses Offered (UG)
1	B. Sc. (Mathematics) T. Y. B. Sc. (Mathematics) started from the year 2012-13
2	Till S.Y. B. Sc. (Computer Science)

4. Name of Interdisciplinary courses and the departments / units involved:

Interdisciplinary Courses (UG)	B.Sc.(Computer Science)
	B.Sc.(Biotechnology)
	B.B.A.(C.A.)
Departments Involved	Computer Science
	Biotechnology
	Commerce

5. Annual / semester / choice based credit system (program wise):

Pattern	Name of the program
Annual	F.Y.B.Sc.
	F.Y.B.Sc.(Computer Science)
	F.Y.B.Sc.(Biotechnology)
Semester	S.Y.B.Sc.
	T.Y.B.Sc.
	S.Y.B.Sc.(Computer Science)

6. Participation of the department in the courses offered by other departments:

Name of the Department	Courses offered
Computer Science	F.Y.B.Sc.(Computer Science)
	S.Y.B.Sc.(Computer Science)
Biotechnology	F.Y.B.Sc.(Biotechnology)
Commerce	B.B.A.(C.A.)

7. Courses in collaboration with other universities, industries, foreign institutions:

Courses	Institution
Use of Sci-Lab Software to S.Y.B.Sc.(General) students.	BhaskaracharyaPratishthan , Pune
C-Programming.	-----

8. Details of courses/programs discontinued (if any) with reasons :- Nil

9. Number of Teaching posts :-

	Sanctioned	Filled
Professors	----	-----
Associate Professors	----	-----
Asst. Professor	07	07

10. Faculty profile with name, qualification, designation, specialization:

Name	Qualification	Designation	Specialization	Experience (Years)	No. of Students guided
Mrs. Swati Kandharkar	M.Sc.	Assistant Professor	Mathematics	23	----
Mrs. Shamal Deshmukh	M.Sc. NET, SET, Pursuing M. Phil.	Assistant Professor	Mathematics	15	----
Mrs. Jayshree Jain	M.Sc. NET, SET	Assistant Professor	Mathematics	8	----
Mrs. Pratibha Pawar	M.Sc. , NET	Assistant Professor	Mathematics	8	----
Mrs. Himani Khatry	M.Sc. NET	Assistant Professor	Mathematics	4	----
Ms. Apeksha Pawar	M.Sc.	Assistant Professor	Mathematics	2	----
Ms. Darshana Patekar	M.Sc. NET, JRF	Assistant Professor	Mathematics	----	----

11. List of senior visiting faculty:

Sr.No.	Name of the Visiting Faculty
1	Mr.JatinMajithia
2	Mrs. GayatreePatil
3	Mrs. DeepaliMeher
4	Mrs. YogitaShinde
5	Poonam Lohangade
6	Mr. NileshArote
7	Mr. NiketTajane

12. Percentage of lectures delivered and practical classes handled (program-wise) by temporary faculty:

Sr.No.	Class	Percentage of lectures delivered By temporary faculty	Percentage of practical taken by temporary faculty
1	B.Sc.	7.6	7.6
2	B.Sc. (Computer Science)	00	00

13. Student-Teacher Ratio (program wise):

Sr.No.	Class	Student Teacher Ratio (theory + practical)
1	B.Sc.	16 : 1
2	B.Sc. (Computer Science)	44 : 1

14. Number of academic support staff (technical) and administrative staff sanctioned and filled:

	Sanctioned	Filled
Technical Staff	01	01
Administrative Staff	01	01

15. Qualifications of teaching faculty with D. Sc./D.Litt./Ph.D./M-Phil/PG:

Sr. No.	Name	Qualification
1	Mrs. Swati Kandharkar	M.Sc.
2	Mrs. Shamal Deshmukh	M.Sc., NET, SET, Pursuing M. Phil.
3	Mrs. Jayshree Jain	M.Sc. , NET , SET
4	Mrs. Pratibha Pawar	M.Sc. , NET
5	Mrs. Himani Khatri	M.Sc. , NET
6	Ms. Apeksha Pawar	M.Sc.
7	Ms. DarshanaPatekar	M.Sc., NET, JRF

16. Number of faculty with on-going projects : Nil

17. Departmental projects funded by DST- FIST, UGC, DBT, ICSSR, etc. and total Grants received:

Departmental students' projects funded by DBT

Sr.No.	Name of the Project
1	Ramsay Number
2	Cost of construction of a dam using Integration

3	Golden ratio
4	Puzzles
5	Calculus of power series
6	Application of calculus
7	Cycloid curve
8	Predator model
9	Geometrical solids and conic sections
10	Pascal's triangle
11	Birth date master
12	Graphs using AUTOGRAPH
13	Fibonacci sequence
14	Mathematics in crime investigation
15	Mathematics in Chess
16	Mathematics in dance
17	Golden ratio in Nature, Beauty
18	Mathematics in Music
19	Mathematics in sports – Basketball
20	Mathematics in Architecture
21	Mathematics in Health and Medicine
22	Mathematics in Martial Arts
23	Mathematics in GPS tracking
24	Mathematics in Gravitation.
25	Application of Groups – Rubix Cube
26	Mathematics in Day to day life
27	Concept of Infinity
28	Mathematics in Agriculture

Department has received funds from DBT

- Non-Recurring : Rs. 5,00,000/-
- Recurring : Rs. 8,00,000/-

18. Research Centre/facility recognized by the University : Nil

19. Publications :

Name of the faculty	Public ation per faculty	Number of papers published in peer reviewed international journal by faculty	Number of publications listed in International database	Citation Index	h-index
Sangeeta Choudhary	0.1428	01(published) 01(Accepted)	01	2 Journal (2.974)	1 Journal (13)

20. Areas of consultancy and income generated :-

Sr.No.	Name of the faculty	Area of expertise
1	Mrs. Swati Kandharkar.	Discrete Mathematics, Algebra.
2	Mrs. Shamal Deshmukh.	Operator Theory

3	Mrs. Jayshree Jain.	Operations Research
4	Mrs. Pratibha Pawar.	Graph Theory
5	Mrs. Himani Khatry.	Computational Geometry
6	Ms. Apeksha Pawar.	Discrete Mathematics
7	Ms. Darshana Patekar	Algebra & Calculus

21. Faculty as members in a) National committees b) international committees
c) Editorial Boards:

Mrs. Swati Kandharkar is a member and treasurer of executive committee of 'INDIAN ACADEMY OF INDUSTRIAL AND APPLICABLE MATHEMATICS'

22. Student projects:

- Percentage of students who have done in-house projects including inter Departmental/program : 39 %
- Percentage of students placed for projects in organizations outside the Institution : Nil

23. Awards/Recognitions received by faculty and students :

➤ **Achievement of Faculty :**

- Mrs. Shamal Deshmukh was selected for the two week training programme organized by IIT Kanpur.

➤ **Student's Achievement**

- One Student selected for MTTS training by National Board of Higher Mathematics. (1- Level)
- One student selected for MTTS training by National Board of Higher Mathematics. (O- Level)

24. List of eminent academicians and scientists /visitors to the department :

Sr.No.	Name of the Visiting Faculty	Designation	Institute
1	Dr Mohan Kale.	Associate Professor	Department of Statistics , SavitribaiPhule Pune University , Pune
2	Dr. NileshDahanukar.	Assistant Professor	IISER , Pune
3	Dr.PranayGoel	Assistant Professor	IISER , Pune.
4	Dr.MangalaGurjar	Associate Professor	St. Xavier College , Mumbai
5	Dr. V.M. Sholapurkar	Head, Dept. of Mathematics, Vice-Principal,	S.P. College , Pune

6	Dr. Ajit Kumar	Professor	Institute of Chemical Technology, Mumbai
7	Dr. S. A. Katre	Professor	Department of Mathematics , Savitribai Phule Pune University , Pune
8	Dr. M.M. Shikare	Professor , And Head	Department of Mathematics. , Pune University , Pune
9	Dr. Yogesh Shouche	Scientist “F”	N.C.C.S. , Pune
10	Dr.Y.M.Borse	Assistant Professor	Department of Mathematics , Pune University , Pune
11	Mr. Prakash Dixit	Head, Dept. of Statistics	Modern College Shivajinagar Pune – 5
12	Dr. Sadhana Natu	Head, Dept. of Psychology	Modern College , Ganeshkhind Pune– 16
13	Mr. Pratul Gadagkar	Assistant Professor	Dept. of Mathematics Modern College Shivajinagar Pune – 5

25. Seminars/Conferences/Workshops organized & the source of funding :

Seminar organized:

Sr. No.	Title of the seminar	Duration and dates	Level	Source of funding
1	Role of Mathematics in Life Sciences	Duration : Two days Dates : 6 th and 7 th February 2012	State	B.C.U.D., SavitribaiPhule Pune University , Pune
2	Exploring Effective Pedagogies In Mathematics	Duration : One day Date : 9 th January 2016	State	B.C.U.D., SavitribaiPhule Pune University , Pune

26. Student profile program/ course wise:

Name of the Course / program (refer question no. 4)	Application received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.Sc.	101	101	63	38	35
S.Y.B.Sc.	32	32	13	19	66.24
T.Y.B.Sc.	17	17	09	08	56.72
F.Y.B.Sc.(Computer Science)	171	171	85	86	42
S.Y.B.Sc.(Computer Science)	133	133	52	81	66.91

*M= Male *F= Female

27. Diversity of Students

Name of the Course	% of students from same state	% of students from other States	% of students from abroad
B.Sc.	97.71	2.29	---
B.Sc. (Computer Science)	99.01	0.85	0.14

28. How many students have cleared national and state competitive examinations Such as NET, SLET, GATE, Civil services, Defense services, etc.:

Sr. No.	Name of the student	Cleared the examination
1	Ms. Darshana Patekar	NET-JRF
2	Shivraj Hale	UPSC , Class – I officer
3	Ms. Priyanka Ubale	IIT , JAM

29. Student progression :

Student Progression	Against % enrolled
UG to PG	19.44
PG to M.Phil.	--
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed • Campus selection • Other than campus recruitment	-- 06
Entrepreneurship/Self-employment	02

30. Details of Infrastructural facilities :

a) Library :

Reference Books	Text Books	Journal
643	811	01

b) Internet facility for staff and students :

Staff	Student
01 computer (Speed 500 KBPS , AIRCEL)	20 computers (Speed 500 KBPS , AIRCEL)

- c) Class rooms with ICT facility: 01
d) Laboratories : 01
e) Printers : - 04, LCD projector :02, Laptop : 01,
Mathematical software: Scilab, Matlab, Auotograph, Geogebra

31. Number of students receiving financial assistance from college, university, Government or other agencies:

Course	Government Scholarship	Government Freeship
B.Sc.(Grantable)	71	19
B.Sc.(Non Grantable)	31	---
B.Sc.(Computer Science)	72	---
B.Sc.(Biotechnology)	12	---

32. Details on student enrichment programs (special lectures/ workshops / Seminar) with external experts

- Guest Lectures :

Name Of the Guest	Date	Topic
Dr.SadhanaNatu	10 December 2014	Personal And Professional Life Skills Management
Dr.Y. M. Borse	15 September 2014	Generalized inverse of a Matrix
PratulGadagkar	12 February 2015	Fixed point theorem

- State Level Seminar organized :

Sr. No.	Title of the seminar	Duration and dates	Level	Source of funding
1	Role of Mathematics in Life Sciences	Duration : Two days Dates : 6 th and 7 th February 2012	State	B.C.U.D., SavitribaiPhule Pune University , Pune
2	Exploring Effective Pedagogies In Mathematics	Duration : One day Dates : 9 th January 2016	State	B.C.U.D., Pune University , Pune

- C- programming certificate course
- Autograph software introduction to FY students

- Guidance lectures for Competitive Examination.
- Organizing student activities such as Mathematical Hockey, Mathematics Quiz, Mathematics Club, Felicitation of Toppers in the subject, projects, soft skill program.
- Publishing departmental circular “Pramey”(Managed by students)
- Screening of Mathematical movie.
- Bridge course designed for Biotechnology students.

33. Teaching methods adopted to improve student learning : -

- Chalk & Board
- Tests
- Assignments
- Use of Mathematical game for problem solving.
- Use of ICT
- Seminar by students
- Power point presentation of projects by students on real life applications of the subject.
- Introduction of softwares to the students
- Remedial teaching.
- Designed extra practical.
- Use of research based teaching tools such as Problem solving, visualization and interactive sessions.
- Question paper solving.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Election duty.
- Screening of Mathematical Cartoon film for school children so as to develop interest in the subject.
- T.Y.B.Sc. Mathematics students taught Mathematics to 4th standard students during NSS camp
- One of the staff members works voluntarily for school kit program for economically backward students organized by NGO ‘SevaSahayog’.
- Financial support to needy students.
- Participation in ‘Swachh Abhiyan’.

35. SWOC analysis of the department and Future plans

- Strength :
 - a) Started T.Y. B.Sc.(Mathematics)
 - b) Academic and healthy environment

- c) Good team work
- d) Excellent Infrastructure
- e) Active and effective Departmental IQAC
- Weakness :
 - a) Research activity
 - b) Collaboration with academic institutes
 - c) Collaboration with different organizations, IT sector, Social Science Departments, pharmaceutical Industries, Life Science departments
- Opportunities :
 - a) To widen bridge courses with Life and Social sciences
 - b) Students should go for higher education in National institutes of Mathematics
 - c) Mathematical Modeling
 - d) IT sector
 - e) Research
 - f) Operations Research
- Challenges :
 - a) Students are weak in understanding basic Mathematical concepts
 - b) To complete the syllabus within stipulated time
 - c) Students especially Life sciences, have fear of Mathematics
- Future plan :
 - a) Motivate staff for research
 - b) Arrange faculty development program
 - c) Use different teaching techniques for more effective teaching
 - d) Arrange summer training program
 - e) Increase Skill based short term courses
 - f) Increase UG to PG student progression
 - g) Undertake project based on applied Mathematics for the society

Evaluative Report of the Departments

1. **Name of the department:** Microbiology
2. **Year of Establishment:** 1996: BSc; 2002: MSc;
3. **Names of Programmes / Courses offered:**
 - UG (BSc), PG (MSc), M.Phil., Ph.D.,
 - Add-on **Career-oriented course (Certificate)** sanctioned by UGC for UG students: ‘Applied Techniques in Industry and Laboratories’.
 - Add-on Short-term **Skill-based Certificate course** for UG students proposed: ‘Quality Control in Laboratories and Industries’.
4. **Names of Interdisciplinary courses and the departments/units involved:**
SYBSc students have Environmental Science course which is inter-disciplinary in nature. SYBSc students of Computer Science, Biotechnology, General Science and B. Voc have been taught.
5. **Annual/ semester/choice based credit system (programme wise) :**
Annual pattern: FYBSc;
Semester pattern: SYBSc and TYBSc;
Choice based credit system in semester pattern: MSc I and II.
Internal Examinations:
For UG: One per paper per term held towards end of term;
For PG: Continuous Assessment for each paper.
6. **Participation of the department in the courses offered by other departments:**
 - **B.Voc:** In 2014-15: Ms Jayashree Khadilkar; in 2015-16: Mrs. Purnima Kabra.
 - **Environmental Science:** During 2012-13: Mrs. Vaidehi Dande; in 2014-15, Prof. Ms Debangi Chattopadhyay and Dr. Manasi Tukdeo; during 2015-16 Mrs. Gauri Bhagat and Mr. Pranav Tembe have participated in teaching Environmental Science course for SYBSc (Computer Science, Biotechnology, General Science and B. Voc) students.
7. **Courses in collaboration with other universities, industries :**
 - a) Our department is conducting **UGC- Career Oriented Course:** ‘Applied Techniques in Industry and Laboratories’.
A part of this course is conducted in collaboration with:
 - i) **Kulkarni Laboratory and Quality Management Services (NABL Accredited Laboratory)** and an **MoU** has been signed with them:
Module: Food and Water Analysis and
 - ii) **Janakalyan Blood Bank** and an **MoU** has been signed with them:
Module: Blood Banking Techniques and Haematology.
 - b) Some of our **MSc students** are placed for their **research projects** at National level Institutes such as **MCC-NCCS, NCL, Agharkar Research Institute, departments of S.P. Pune University.**
 - c) Add-on **Short-term Skill-based Certificate course** for UG students proposed: ‘Quality Control in Laboratories and Industries’, has been designed in association with Mr. Mihir Thatte of **Vaintey Chem Products Pvt. Ltd.**

8. Details of courses/programmes discontinued (if any) with reasons: NA**9. Number of Teaching posts :**

	Sanctioned	Filled
Asst. Professors	10	10

10. Faculty profile with name, qualification, designation, specialization :

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided
1	Mrs. Sneha Ogale	MSc, MPhil, NET	Assist. Prof.	Microbiology	18 yrs	-
2	Mrs. Anupama	MSc, SET	Assist. Prof.	Microbiology	17 yrs	-
3	Dr. Neelima Kulkarni	MSc, PhD, NET	Assist. Prof.	Microbiology	13 yrs	-
4	Mr. Prasad Deshmane	MSc, NET	Assist. Prof.	Microbiology	11 yrs	-
5	Mrs. Vrushali Deshmukh (on lien)	MSc, NET	Assist. Prof.	Microbiology	6.5 yrs	-
6	Dr. Kavita Parekh	MSc, PhD, NET	Assist. Prof.	Health Sciences	7 yrs.	-
7	Mrs. Gauri Bhagat	MSc	Assist. Prof.	Microbiology	5 yrs	-
8	Dr. Manasi Tukdeo	MSc, PhD	Assist. Prof.	Microbiology	1.5 yrs	-
9	Mr. Sougata Ghosh	MSc, pursuing PhD. (thesis submitted)	Assist. Prof.	Microbiology	0.5 yrs	-
10	Mrs. Gauri Dalal	M.Sc	Assist. Prof.	Microbiology	-	-
11	Ms Pallavi Budgude	M.Sc	Assist. Prof.	Microbiology	-	-
12	Mrs. Purnima Kabra	M.Sc, pursuing Ph.D.	Assist. Prof. (CHB)	Microbiology	-	-

11. List of senior visiting faculty:**Guest Lectures by:**

- 1) **Dr. Yogesh Shouche**, Scientist E, NCCS, on ‘Molecular Chronometers’ and ‘Next Generation Sequencing’ for M.Sc.I students.
- 2) **Dr. Sampada Patwardhan, Deenanath Mangeshkar Hospital and Research Centre** on ‘Estimation of Antimicrobial activity using standard guidelines (NCCLS/CLSI) for MSc II
- 3) **Dr. P. K. Dhakephalkar, MACS Agharkar Research Institute**, on “Investigation of Microbial Diversity using molecular tools”, for M.Sc. I.
- 4) **Prof. R. L. Deopurkar, Microbiology Dept., SP Pune University**, on Mathematical modeling: Growth kinetics- Exponential & logarithmic growth, for M.Sc. I and II.
- 5) **Dr. Saroj Ghaskadbi, Head, Dept. of Zoology, University of Pune**, on ‘C’ value Paradox- Cot & Rot curves, for MSc. II.
- 6) **Dr. Hemant Kelkar, Director, Bioinformatics Centre, North Carolina University**, on ‘Next Generation Sequencing’, for MSc II.
- 7) **Mr. K. B. Satpute, QC Manager, Serum Institute of India, Pvt. Ltd.**, on ‘Skills Required for Employability’, for MSc students, under the aegis of ‘Durga Kulkarni Memorial Lecture’.
- 8) **Dr. Leena Yeolekar, Consultant, Serum Institute of India, Pvt. Ltd.**, for demonstration of “Egg Inoculation Technique”.
- 9) **Dr. Girdhari Lal, Scientist D, NCCS**, on ‘Role of cytokines in autoimmune disorders’ for MSc II.
- 10) **Dr. P. K. Dhakephalkar, Scientist, Agharkar Research Institute**, on ‘Molecular Tools for Analysis of Microbial Diversity’, for M.Sc.I.
- 11) **Prof. David Severson of Notre Dame University and Director, Eck Institute for Global Health, USA** a lecture on “Dengue Transmission & Biology of Vector Mosquito *Aedes aegypti*” was held for undergraduates, postgraduates and researchers in the field of Microbiology. It was jointly organized by Microbiology Department of the College and **Association of Microbiologists of India (Pune)**.
- 12) **Dr R. V. Gadre, Scientist G, NCL, Pune** on ‘Principles of construction & working of HPLC and GC’, for TYBSc and MSc I students.
- 13) **Dr. Kiran Randive, Asst. Prof., Waghere College** on ‘Classification and identification of Fungi’ for MSc I students.
- 14) **Dr. B. B. Nath, Prof & Head, Dept of Zoology, University of Pune** on ‘New Trends In Chromosome Research’, for UG and PG students (under DBT-STAR scheme).
- 15) **Dr. Ravindra Kshirsagar, Assistant Prof., Zoology, MCASC, GK** conducted a lecture for MSc I students on ‘Developmental stages of frog and *Drosophila*’.
- 16) **Dr. Dhiraj Dhotre, MCC-NCCS** conducted lecture and Practicals for MSc II students on ‘Gene Annotation’.
- 17) **Dr. Sudha Gangal, Retd. Professor, Rajiv Gandhi Inst. Of Biotechnology** conducted a lecture ‘Cancer Immunology’ for MSc II students.
- 18) **Mr. Prateek Katekar, Microbiologist, Venky’s** conducted a practical on ‘Cultivation of chick embryo’ for MSc II students.

- 19) **Sougata Ghosh, PhD student, IBB, Pune** MSc- I & II delivered a lecture on ‘Analytical phytochemistry of pharmaceutically important medicinal plants for MSc students.
- 20) Under the auspices of **International Year of Crystallography** the following lectures were arranged for PG students of Life Science departments (including Chemistry) :
- **Dr. Sutirth Day (IISER-Pune):** Extended Evolutionary Synthesis;
 - **Dr. Sandeep Srivastava (Assistant Prof., Dept. of Bioscience and Technology, DIAT, Pune):** Protein Crystallography : What Does 3D Tell Us?
- 21) **Dr. Absar Ahmad, Senior Principal Scientist at Biochemical Sciences Division, NCL, Pune** had delivered a lecture on “Synthesis of nanoparticles using microorganisms and its applications” for M.Sc. II, MSc I, TY B.Sc. students.
- 22) **Dr. Santosh Sutar, Assistant Director/Assistant Professor, Yashwantrao Chavan School of Rural Development, Shivaji University, Kolhapur** delivered two days lecture on “Non-parametric tests (Run test, Sign test, Wilcoxon’s signed Rank test, Mann-Whitney test) and its problem solving” for MSc I students.
- 23) **Dr. Navnath Kumbhar, D.S. Kothari Post-doctoral fellow, Dept. of Chemistry, SPPU,** delivered a lecture on “ Applications of Bioinformatics tools in Biological Research”, for MSc I students.

The following visiting faculty delivered lectures for **UGC sanctioned Career Oriented Course** conducted by our department:

Sr.	Name	Designation	Institute/ Industry
1	Mr. Sushant Gavhale	Consultant, Applied Biosystem Innovation Pvt Ltd	NARI
2	Mr. Pranav Kulkarni	Research Technologist	Praj Industries
3	Dr. Manoj Gote	Scientist	Tata Chemicals
4	Dr. Vivek Patwardhan	M.D.	Consultant Physician
5	Dr. Santosh Gopale	Assistant Professor	Modern College of ASC, Shivajinagar
6	Dr. Atul Kulkarni	Director	Janakalyan Blood Bank
7	Dr. Ashutosh Kale	Chief Administrative officer	Janakalyan Blood Bank
8	Dr. Ramesh Kamble	Quality manager and Medical Officer	Janakalyan Blood Bank
9	Dr. Amol Rajhans	M.D. Pathology consultant	Janakalyan Blood Bank
10	Dr. K.D. Chavan	Assistant Professor	Agriculture College, Pune
11	Dr. Dilip Wani	Chairman	Janakalyan group of Blood Bank
12	Mr. Mihir Thatte	QA Manager	Vainatey chem products Pvt. Ltd.
13	Dr. R.V. Gadre	Senior Scientist	NCL
14	Dr. Sneha Limaye	Senior researcher	Chest Research Foundation
15	Dr. Suhas Joshi	Associate Professor	Garware College, Pune
16	Mr. Prashant Garud	Microbiologist QC	Emcure Pharmaceutical

			Ltd
17	Dr. Leena Yeolekar	Consultant	Serum Institute of India
18	Mr. Amey Nisal	CEO	Rivet Solutions
19	Mrs. Medha Kulkarni	Manager	Doehler India Pvt Ltd
20	Soma Karak	Clinical Research associate	GVK Biosciences Pvt Ltd
21	Dr. Vivek Patwardhan	M.D.	Consultant Physician
22	Mr. Pandurang Lahare	Asst Manager Production	TCL, Chennai
23	Mrs. Vishakha Velankar	Counsellor	Pune
24	Mr. Akash Marathe	Quality Control Officer	Serum Institute of India
25	Mr. Nikhil Ganorkar	Partner	Nila Polycast Baction
26	Neha Naik	Scientific data curator	Optra Systems Pvt Ltd, Pune
27	Mrs. Shubhada Shintre	Consultant	Mahratta Chamber of Commerce, Industries and Agriculture

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Sr. No.	Class	Lectures	Practicals
1	FYBSc	0 %	14.29%

13. Student -Teacher Ratio (programme wise):

Sr. No.	Class	Student -Teacher Ratio (For lectures)	Student -Teacher Ratio (For practical batches)
1	FYBSc	67:1	20:1
2	SYBSc	33:1	21:1
3	TYBSc	4.43:1	16:1
4	MSc I	11:1	11:1
5	MSc II	11:1	14:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sr. No.	Sanctioned	Filled
1	Laboratory Assistant	1
2	Laboratory Attendant	1
3	Peons	2
4	Administrative staff (office)	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Sr. No.	Qualification	Number
1	Ph.D.	3
2	Pursuing Ph.D. (thesis submitted)	2
3	M.Phil.	1
4	NET/ SET	6
5	M.Sc.	6

(Details mentioned in point No. 10 above).

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

- DST-INSPIRE Faculty proposal has been submitted to DST by Prof. Sougata Ghosh.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

a) **DBT-STAR scheme:** Total grant received: Rs. 13 lakhs = Rs. 5 lakhs (Non-recurring grant for equipments) + 2 lakhs per year (for 4 years) recurring grant for consumables and activities)

UG projects carried out: 22 projects (76 students)

Sr. No.	CLASS	Name Of The Students	Topic
1	SYBSc	Mohnish Sharma Maliyackal Jinni	Bioremediation Of Chromium VI
2	FYBSc	Sayali Basole, Purva Paradkar, Yogita Gosavi Prajakta Dhagale	Antibacterial Activity Of Clove Oil
3	FYBSc	Vaibhav Lawand, Hardik Shah, Maithilli Hanamghar Sharvari Sadavarte	Isolation Of Coliphages
4	MSc I FYBSc	Pratima Mali, Saurabh Gaikwad, Rashmi Ahire	Pesticide Degradation From Ganga Water (Banaras)
5	SYBSc	Ankita Sarode, Tejas Dhumal, Ashwini Dhumal Sapna Herole	<i>Azotobacter</i> Bioinoculant Preparation
6	FYBSc	Deepika Shinde, Priyanka Joshi, Rutuja Nalge	Isolation Of Fungi
7	FYBSc	Gayatri Wad, Apeksha Darshetkar, Priyanka Shinde	Production of Microbial Pigment

8	SYBSc	Lipi Joshi, Sukomal Kate Anuja Yadav	Microbial Flora And Role Of Mouthwashes
9	MSc I FYBSc	Jayshree Khadilkar Manasi Yadav Mamta Sharma	Water Quality Testing From Ganga At Three Points: (Gangotri, Haridwar, Kolkata)
10	T.Y. BSc	Mamlesh Waghmode, Jini Chacko, Kashmira Badgujar and Sukomal Kate	Fermenter design
11	S.Y.B.Sc	Prathamesh Parab, Varsha Deshmukh, Sharada Najan, Sonali Nichit	Air Micro Flora
12	S.Y.B.Sc.	Nikhil C. Kudale. Jaydeep Kshirsagar, Dhananjay Mukhekar, Rupali Lende	Dog Mouth Flora and its Morphology (1st prize college level)
13	S.Y.B.Sc	Akshay Phulwade, Sandesh Shinde, Pramila Gawali Sushmita Satish	Isolation and characterization of UTI Pathogens
14	S.Y.B.Sc	Ankita Pol, Ashwini Patil	Effect of Disinfectants on Microflora
15	T.Y.B.Sc	Purva Paradkar, Priyanka Joshi, Priyanka Shendage, Prajakta Dhagale	Amylase production
16	S.Y.B.Sc.	Tejas Chauhan, Mahesh Chaudhari, Shubham Barmukh, Rohit Diwate	Microbial Art
17	F.Y.B.Sc	Nilesha Bhosale, Pooja Gawali, Pooja Pathak. Priyatosh Chaturvedi	Mitosis
18	S.Y.B.Sc	Kishori Joshi, Trupti Chavan, Pradnya Londhe, Kajol Gawali, Reshma Shinde	Drinking water Analysis
19	T.Y.B.Sc.	Soching Luikham, Sharvari Jadhav, Harshada Sawant	Antidiabetic and antimicrobial activity of phytochemicals
20	T.Y.B.Sc	Ashwini Patil, Pradnya Ingale	Microbial contamination of Lens Solutions
21	F.Y.B.Sc.	Hemangi Deo, Rasika Kulkarni, Pranali Meher	Antimicrobial activity of Soaps and detergents
22	F.Y.B.Sc	Gauri Tungikar Bhakti Kavitar Aishwarya Chhatre Sakshi Londhe	Antimicrobial activity of Coriander, Cloves and Hibiscus

- b) **DST-FIST:** Rs. 15 lakhs has been allocated towards Equipment and Maintenance for PG Research.

PG Projects: 100 students (50 projects);

MSc Projects: 2014-15:

Sr. No.	Student name	Thesis title
1	Tanmay Zimbar, Aher Sagar	Isolation and characterization of chitinase producing microorganisms
2	Shruti Goradiya, Ashwini Ghule	Screening of green pesticide for management of oily spot disease and bacterial blight of pomegranate
3	Aditi Purandare, Vishakha Kulkarni	Isolation and characterization of PGPR from Rice rhizosphere soil.
4	Apurva Phadnis	Study of laboratory scale production of bioemulsifier from <i>Pseudomonas</i> species and its antifungal activity
5	Manali Mahajan, Sonali Renake	Antifungal activity of fungal culture and cow urine fermented with botanicals against pomegranate wilt pathogen <i>Fusarium</i>
6	Manasi Patel, Jagruti Tank	Bioactivity of plant extracts against multi-drug resistant uropathogens
7	Mugdha Shete, Rupali Takale	Presence of bacteria in semen sample and their effect on semen quality.
8	Patil Shradha, Mapare Vidyashri	Isolation and characterization of thermophiles from hot water springs and primary screening for amylase and protease enzyme production
9	Pradnya Patil	Isolation and characterization of Lactic Acid Bacteria from different curd samples.
10	Salomi Kakade	Applications of natural coagulants for drinking water purification
11	Deepali Ingawale, Arati Walunj	Evaluation of efficiency of various commonly used hand sanitizers, hand washes and soaps.
12	Parnal Joshi, Ankush Bhat	Plasmid profiling of multidrug resistant isolates of <i>E.coli</i> , <i>Klebsiella</i> and <i>Pseudomonas</i> and antimicrobial activity of <i>Allium sativum</i> L. against these isolates.
13	Radhika Thakar	Isolation and Characterization of Amylase producing organisms
14	Purva Chavan, Bimal Kaur Bhatti	Diversity of microorganism from contaminated honey and their potential biotechnological application.

18. Research Centre /facility recognized by the University: Microbiology Research Centre recognized by SPPU.

19. Publications:

- **Research Publications of faculty: 13**
- Prof. Sneha Ogale: 2 (1 International + 1 local)
- Prof. Anupama Sonawane: 2 International
- Dr. Neelima Kulkarni: 1 local

- Dr. Kavita Parekh: 1 International
 - Prof. Vaidehi Dande: 1 International
 - Prof. Ashwini Satbhai: 1 International
 - Prof. Sougata Ghosh: 7 International
 - **Details are as follows:**
1. **A. Satbhai**, A. Kasodekar, L. Pachuau and N. Bharambe, 'Isolation of halophiles from the Dead Sea and exploring their potential biotechnological applications'. *Int. J. Curr. Microbiol. App. Sci.* 2015.Special Issue-2: 1-17
 2. **Anupama Sonawane**, Manali Mahajan and Sonali Renake, 'Antifungal Activity of a Fungal Isolates against Pomegranate Wilt Pathogen *Fusarium*'. *Int. J. Curr. Microbiol. App. Sci.* 2015.Special Issue-2: 48-57
 3. **Modi - Parekh Kavita**, Bhat Ankush and Joshi Parnal, 'Plasmid profiling of multidrug resistant isolates of *E. coli*, *Klebsiella* and *Pseudomonas* and antimicrobial potential of *Allium sativum* L. (garlic) against these isolates'. *Int. J. Curr. Microbiol. App. Sci.* 2015.Special Issue-2: 162-171
 4. **Ogale Sneha**, Patel Mansi and Tank Jagruti, 'Anti-Microbial Potential of Plant Extracts Against Multi-drug Resistant Uropathogens'. *Int. J. Curr. Microbiol. App. Sci.* 2015.Special Issue-2: 222-239
 5. **Vaidehi Dande, Anupama Sonawane**, Shruti Goradiya, Ashwini Ghule, Manali Mahajan and Sonali Renake, 'A Study of a Unique "Herbal Elixir" as a Potential Green Pesticide for Integrated Pest Management of Pomegranate'. *Int. J. Curr. Microbiol. App. Sci.* 2015.Special Issue-2: 388-398
 6. **Ghosh, S.**, Patil, S., Chopade, N.B., **Luikham, S.**, Kitture, R., Gurav, D.D., Patil, A.B., Phadatare, S. D., Sontakke, V., Kale, S., Shinde, V., Bellare, J., Chopade, B.A. (2016) '*Gnidia glauca* leaf and stem extract mediated synthesis of gold nanocatalysts with free radical scavenging potential'. *Journal of Nanomedicine and Nanotechnology*. 7:2.
 7. **Ghosh, S.**, More, P., Nitnavare, R., Jagtap, S., Chippalkatti, R., Derle, A., Kitture, R., Asok, A., Kale, S., Singh, S., Shaikh, M.L., Ramanamurthy, B., Bellare, J., Chopade, B.A. 'Antidiabetic and antioxidant properties of copper nanoparticles synthesized by medicinal plant *Dioscorea bulbifera*'. *Journal of Nanomedicine and Nanotechnology*. (2015) S6: 007. doi:10.4172/2157-7439.S6-007.
 8. **Ghosh, S.**, Nitnavare, R., Dewle, A., Tomar, G.B., Chippalkatti, R., More, P., Kitture, R., Kale, S., Bellare, J., Chopade, B.A, 'Novel platinum-palladium bimetallic nanoparticles synthesized by *Dioscorea bulbifera* : Anticancer and antioxidant activities'. *International Journal of Nanomedicine*. (2015) 10:1-4.
 9. **Ghosh, S.**, Parihar, V. S., Dhavale, D. D., Chopade, B. A. (2015). 'Commentary on therapeutic potential of *Gnidia glauca*: A novel medicinal plant'. *Medicinal Chemistry*. 5(8):351-353.
 10. **Ghosh, S.**, Jagtap, S., More, P., Shete, U. J., Maheshwari, N. O., Rao, S. J., Kitture, R., Kale, S., Bellare, J., Patil, S., Pal, J. K., Chopade, B. A. (2015). '*Dioscorea bulbifera* mediated synthesis of novel Au_{core}Ag_{shell} nanoparticles with potent antibiofilm and antileishmanial activity'. *Journal of Nanomaterials*. 2015: Article ID 562938.

11. **Ghosh, S.,** More, P., Derle, A., Kitture, R., Kale, T., Gorain, M., Avasthi, A., Markad, P., Kundu, G. C., Kale, S., Dhavale, D. D., Bellare, J., Chopade, B. A. (2015). 'Diosgenin functionalized iron oxide nanoparticles as novel nanomaterial against breast cancer'. *Journal of Nanoscience and Nanotechnology*. 15:1-9.
12. **Ghosh, S.,** Parihar, V. S., More, P., Dhavale, D. D., Chopade, B. A. (2015). 'Phytochemistry and therapeutic potential of medicinal plant : *Dioscorea bulbifera*'. *Medicinal Chemistry*. 5(4): 154-159.
13. **Neelima Kulkarni and Sneha Ogale** (2015). 'ICT in Higher Education: A case study'. *Dnyanmay*: 50-54.

• **Research publications of students:**

1. Joshi Amruta P., Deshmukh Sumedha S. (2011). 'Streptomyces nucleases'. *Critical Reviews in Microbiology*. 37 (3).
2. **Avinash Vellore Sunder, Atul Kumar, Neha Naik, Archana V. Pundle** (2012). 'Characterization of a new *Bacillus cereus* ATUAVP1846 strain producing penicillin V acylase, and optimization of fermentation parameters'. *Annals of Microbiology* 62 (3): 1287-1293.

* **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):**

Sr. No	Publication	International database	SNIP/ SJR
1)	Int.J.Curr.Microbiol.App.Sci.2015. Special Issue-2: 1-17	Google scholar	NA
2)	Int.J.Curr.Microbiol.App.Sci.2015. Special Issue-2: 48-57	Google scholar	NA
3)	Int.J.Curr.Microbiol.App.Sci.2015. Special Issue-2: 162-171	Google scholar	NA
4)	Int.J.Curr.Microbiol.App.Sci.2015. Special Issue-2: 222-239	Google scholar	NA
5)	Int.J.Curr.Microbiol.App.Sci.2015. Special Issue-2: 388-398	Google scholar	NA
6)	Medicinal Chemistry:5(8): 351-353	Scopus, DOAJ, EBSCO, Index Copernicus and Google Scholar	NA

* **Books with ISBN/ISSN numbers with details of publishers:**

3 Abstracts published in **International e-publication (Online Souvenir of International Conference on Innovative Trends in Chemical, Physical and Biosciences (ITCPB 2016))** ISBN No. 978-93-84659-28-8

Cumulative Citation Index

Sr.	Staff Member	No: of Citations
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1	Sneha Ogale	9
2	Neelima Kulkarni	134
3	Kavita Parekh	18
4	Sougata Ghosh	416
	Total	577

h-Index

Sr.	Staff Member	h-index
1	Sneha Ogale	1
2	Neelima Kulkarni	4
3	Kavita Parekh	2
4	Sougata Ghosh	11

Impact Factor (2011-2015)

Sr.	Staff Member	Journal	Impact factor
1	Sneha Ogale	International Journal Of Current Microbiology And Applied Sciences	2.015
2	Anupama Sonawane		
3	Kavita Parekh		
4	Vaidehi Dande & Anupama Sonawane		
5	Ashwini Satbhai		
6	Sougata Ghosh	Medicinal Chemistry	2.16
		Journal of Nanomedicine and Nanotechnology	3.57
		International Journal of Nanomedicine	4.742
		Journal of Nanomaterials	1.644
		Journal of Nanoscience and Nanotechnology	1.556
7	Sneha Ogale & Neelima Kulkarni	Dnyanmay	---

Patents :

1. **Ghosh, S.,** More, P., Jagtap, S., Chopade, B. A. (2013). Synthesis of novel copper nanoparticles with alpha amylase inhibitory activity by *Dioscorea bulbifera* tuber extract. Indian Patent (Filed) 3971/MUM/2013.
2. **Ghosh, S.,** Jagtap, S., More, P., Chopade, B. A. (2013). A process for synthesis of bimetallic Au_{core}Ag_{shell} nanoparticles by tuber extract of a medicinal plant called *Dioscorea bulbifera*. Indian Patent (Filed) 3973/MUM/2013.
3. Salunke, G., **Ghosh, S.,** Chopade, B. A. (2014). Innovative process for synthesizing Au/Ag bimetallic nanoparticles synthesized from *Plumbago zeylanica*. Indian Patent (Filed) 5/MUM/2014.

- **Research Collaborations:**

Sr. no.	Name of staff member	Year	Title	Institute and other details
1	Mrs. Sneha Ogale	2013-14	Microbial Diversity Assessment of River water sample	Dr. Yogesh Shouche, MCC-National Centre for Cell Science, Pune
2	Mrs. Sneha Ogale	2015-16	Bacterial Concrete	Prof. Chikute, Civil Engineering Dept., AISSMS Engineering College
3	Dr. Neelima Kulkarni	2014-15, 2015-16	Isolation and characterization of PGPR from rice rhizosphere	Dr. Monali Rahalkar, Agharkar Research Institute, Pune
4	Mrs. Vaidehi Dande	2013-14; 2014-15	Retrospective study of presumptive factors of IVF & Microbiological analysis of semen	Mr. Ashok Patel & Dr. Leena Patankar, Genesis Fertility Clinic, Patankar Hospital Pvt. Ltd. Pune Dr. Mohan Kale, Associate Professor, Dept. of Statistics, SP Pune University, Pune

20. Areas of consultancy and income generated:

Sr. No	Name of Staff member	Area of Expertise
1	Sneha Ogale	Testing of anti microbial activity of various compounds, handling and testing of drug resistant microbes
2	Anupama Sonawane	Medical and applied Microbiology, Biocontrol
3	Dr. Neelima Kulkarni	Protein biochemistry, extracellular biochemistry
4	Prasad Deshmane	Biochemistry and Enzymology (pectinase and chitinase)
5	Dr. Kavita Parekh	Molecular biology, molecular diagnostics, health sciences, drug resistant microbes
6	Gauri Bhagat	General microbiology, immunology
7	Debangi Chattopadhyay	Teaching and learning through games, Microbial diversity
8	Dr. Manasi Tukdeo	Anaerobic microbiology, Microbial diversity, Gas chromatography, Molecular techniques, Scientific writing
9	Dr. Leena Kamalaskar	Anaerobic microbiology, Waste water treatment technology and bio-fuel production, Microbial fuel cell, GC, HPLC, DNA/RNA/Protein techniques, Scientific Research Paper and Patent writing
10	Sougata Ghosh	Nanomedicine, biochemistry, cancer biology, diabetes, drug discovery, scientific writing, community welfare (biofertilizers for farmers),

		tribal farming promotion, medicinal plant research
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- 1) **Consultancy** has been provided for Research Project on ‘Bacterial Concrete’, and an income of Rs. 5000/- has been generated.

21. Faculty as members in

a) National committees:

Sr. no.	Name of staff member	Membership of National Organizations (Life membership)
1	Mrs. Sneha Ogale	Society of Biological Chemists (I) (SBC (I)), Association of Microbiologists of India (AMI), Rotary Club of Pune South (as Ann). Executive Council Member of AMI (Pune Unit)
2	Mrs. Anupama Sonawane	Association of Microbiologists of India.
3	Dr. Neelima Kulkarni	Society of Biological Chemists (I) (SBC (I)), Association of Microbiologists of India (AMI), Indian Women Scientist's Association (IWSA)
3	Mrs. Ashwini Satbhai	Association of Microbiologists of India.
4	Mrs. Vaidehi Dande	Association of Microbiologists of India
5	Mrs. Vrushali Deshmukh	Association of Microbiologists of India
6	Dr. Kavita Parekh	Association of Microbiologists of India

b) Editorial Boards: 2

1) Member of Editorial Board:

Sougata Ghosh: (2015-16)

1. Journal of Medical Diagnostic Methods
2. International Journal of Advances in Engineering Research
3. International Journal of Research in Science and Technology

2) Reviewer:

Dr. Leena Kamalaskar (2015-16):

International Journal of Microbiology Research (Bioinfo Publications)

22. Student projects:

- a) **Percentage of students who have done in-house projects including inter departmental/programme:** 10% UG; 50% PG.
- b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:** 50% PG.

23. Awards / Recognitions received by faculty and students:

Sr. No.	Authors	Award won
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1	Ms. Yogita Patil (MSc II) and Ms. Gayatri Sahasrabuddhe (MSc II) and Dr. Neelima Kulkarni.	Best Poster Award in Two days International Conference on Innovative Trends in Chemical, Physical and BioSciences (ITCPB-2016), 9 th and 10 th February, 2016 at Annasaheb Magar Mahavidyalaya, Pune
2	Ms. Anindita Karkhanis (M.Sc. II) and Dr. Manasi Tukdeo	Best Poster Award in Two days International Conference on Innovative Trends in Chemical, Physical and BioSciences (ITCPB-2016), 9 th and 10 th February, 2016 at Annasaheb Magar Mahavidyalaya, Pune
3	Mr. Soching Luikham (T.Y. BSc) and Mr. Sougata Ghosh (Staff)	Won First Prize in poster presentation at National Conference on Innovative Research in Life Science (IRLS) at Sinhgad College of Science, Pune organized on 26 th and 27 th February, 2016
4	Mr. Soching Luikham (T.Y. BSc) and Mr. Sougata Ghosh (Staff)	Won First Prize in poster presentation at National Conference on Faunal Diversity: Assessment and Conservation (FDAC-2016) at Modern College of Arts, Science and Commerce, Ganeshkhind, Pune on 22 nd and 23 rd January, 2016.
5	Ms. Pranali Mehere F.Y. B.Sc. Microbiology	Won Best Poster award at 15 th State Level Microbiological Contest and Microbio Olympiad organized at R.C. Patel College, Shirpur.
6	Prof. Sneha Ogale and Dr. Neelima Kulkarni	First prize for poster presented at International Conference on ‘Application of Advanced Technology for Enhancing Quality of Science Education’, organized by Modern College of Arts, Science & Commerce, Shivajinagar, Pune-5 on 26/02/15 and 27/02/15.
7	Dr. Kavita Parekh, Ankush Bhat, Parnal Joshi (MSc II)	First prize in poster presentation competition at national conference ‘Dynamic Microbes: Role in Human welfare’ held at P.E. Society’s Modern College Shivaginagar ,Pune -5. Date : 20 th and 21 st Feb 2015
8	Prof. Ashwini Satbhai, Pachuau Lallianmawii (MSc II)	First Prize in poster presentation competition at national conference ‘Dynamic Microbes: Role in Human welfare’ held at P.E. Society’s Modern College Shivaginagar ,Pune -5. Date : 20 th and 21 st Feb 2015

Awards won by Students:

2011-12:

- Priyanka Devi: Received **Erasmus Mundus scholarship** and pursuing PhD at Paris since Sept 2011
- Lallianmawii Pachuau (LS), Amol Kasodekar (JRF) & Nikhil Gaitonde (JRF) qualified **CSIR-UGC NET** examination
- Vrinda Makhi (MSc I) was selected for **IASc-INSANA-NASI Summer Research Fellowship** at Bose Institute, Kolkata in June-July 2012.
- F. Y. B. Sc. Students, Sayali Hanamghar, Rutuja Gumaste and Mamlesh Waghmode won **3rd prize in state level quiz competition** “State level Microbiological contest” held by R. C. Patel Arts, Commerce and Science College, Shirpur.
- M. Sc. Students Dhriti Deka (Part I) and Sophia Maske (Part II) participated and won **third prize in Model competition** “Horizon” conducted by Sinhgad College of Science.
- M. Sc I student Dhriti Deka was awarded **1st prize in model competition** in State level workshop for ‘production of good quality cocoons held on 17th and 18th February 2012.

2012-13:

- The **research project** “Microbial Fuel Cell” by S. Y. B. Sc. Students Sayali Hanamghar, Rutuja Gumaste, Amruta Kulkarni, Mohnish Sharma and Vedang Ghole was **selected and funded** with 1500/- by Bhau Institute of Technology Pune and Eaton in a National level project competition.
- S. Y. B. Sc. Students Sayali Hanamghar, Rutuja Gumaste, Amruta Kulkarni and Vedang Ghole won **1st prize** in model competition “**Biofest**” conducted by Modern College of Arts, Commerce and Science, Shivajinagar, Pune for the model “Microbial Fuel Cell”.
- M. Sc. Student Dhriti Deka (MSc II) won **first prize** in “**Horizon**” **Live photography intercollegiate competition** conducted by Sinhgad College of Science.
- M. Sc. Student Namrata Deo (MSc II) won a prize as **second runner up** in “**Horizon**” **Live photography intercollegiate competition** conducted by Sinhgad College of Science.

2013-14:

- **Three students:** Gayatri Shelke, Neha Gogawale, Purva Chavan (M.Sc. Part- I) achieved **Lila Poonawalla Foundation Scholarship (2013)**
- **Eight students:** Abhay Kothari, Chetan Patwardhan, Kunal Gandhi, Neha Gogawale, Shweta Limbachiya, Akanksha Teggi, Gayatri Shelke and Jagruti Tank (M.Sc. Part- I) achieved **Malhotra Weikfield Foundation Scholarship (2013)**

2014-15:

- **Three students:** Gayatri Shelke, Neha Gogawale, Purva Chavan (M.Sc. II) achieved **Lila Poonawalla Foundation Scholarship (2014-15)**
- **Nine students:** Abhay Kothari, Chetan Patwardhan, Kunal Gandhi, Neha Gogawale, Shweta Limbachiya, Akanksha Teggi, Gayatri Shelke, Jagruti Tank (M.Sc. Part- II) (2014-15) and Prashant Jambhale (2014-16) received **Malhotra Weikfield Foundation Scholarship and underwent Summer training.**

24. List of eminent academicians and scientists / visitors to the department:

Sr.	Name	Designation, Organization/ Institute
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No.		
1	Dr. M. G. Watve	Scientist, IISER Pune
2	Dr. Yogesh Shouche	Scientist G, MCC-NCCS, Pune
3	Dr. Absar Ahmad	Senior Principal Scientist at Biochemical Sciences Division, NCL, Pune
4	Dr. P. K. Dhakephalkar	MACS Agharkar Research Institute, Pune
5	Dr. Hemant Kelkar	Director, Bioinformatics Centre, North Carolina University, USA
6	Prof. David Severson	Notre Dame University and Director, Eck Institute for Global Health, USA
7	Prof. Dr. R.L. Deopurkar	Head, dept. of Microbiology, SP Pune University, Pune
8	Prof. Dr. B. B. Nath	Prof., Zoology dept, SP Pune University, Pune
9	Prof. Saroj Ghaskadbi	Head, Zoology dept, SP Pune University, Pune
	Dr R. V. Gadre	Scientist G, NCL, Pune
10	Dr. Santosh Sutar	Assistant Director/Assistant Professor, Yashwantrao Chavan School of Rural Development, Shivaji University, Kolhapur
11	Dr. Sutirth Dey	Associate Prof. , IISER-Pune
12	Dr. Dhiraj Dhotre,	Scientist B, MCC-NCCS, Pune
13	Dr. Sandeep Srivastava	Assistant Prof., Dept. of Bioscience and Technology, DIAT, Pune
14	Dr. Sudha Gangal	Retd. Professor, Rajiv Gandhi Inst. Of Biotechnology, Pune
15	Dr. Sampada Patwardhan	Deenanath Mangeshkar Hospital and Research Centre, Pune
16	Dr. Navnath Kumbhar	D.S. Kothari Post-doctoral fellow, Dept. of Chemistry, SP Pune University
17	Dr. Girdhari Lal	Scientist D, NCCS, Pune
18	Dr. Gururaj Rao Deshpande	Scientist C, NIV-MCC , Pune
19	Dr. Leena Yeolekar	Consultant, Serum Institute of India, Pvt. Ltd.. Pune
20	Mr. K. B. Satpute	QC Manager, Serum Institute of India, Pvt. Ltd, Pune
21	Mr. Prateek Katekar	Microbiologist, Venky's Pvt. Ltd., Pune
22	Mr. Mihir Thatte	Vaintey Chem Products Pvt. Ltd, Pune
23	Ms Yuthika Dixit	Evolvus, Pune

25. Seminars/ Conferences/Workshops organized & the source of funding:
Workshops Conducted:

- 1) **Soft Skills Workshop:** was conducted for M.Sc. II students on **“Towards my Personal Excellence”**, which focused on how to develop self confidence, resumé writing, & effective interview techniques. The workshop was conducted by professional trainers, Dr. Mrs. Anita Sathe & Dr. Mr. P. K. Pisal. (2011-12).
- 2) In collaboration with the **Board of Student Welfare, University of Pune**, a **two day workshop “Right Groundwork For Right Industry”** was organized for graduate and postgraduate students. Experts from pharmaceutical industries and Biotechnology industries were invited as resource persons. (2012-13, 2013-14, and 2014-15 (at Inter-Collegiate level)).
- 3) A **District level workshop on “Research Methodology & Scientific Communication”** was conducted in collaboration with Association of Microbiologists of India (AMI) (Pune Unit) for PG students and researchers (2013-14).
- 4) **DBT –STAR Hands-on training Workshops (2015-16):**
Mr. Mihir Thatte of Vaintey Chem Products Pvt. Ltd. Conducted a workshop on **“Physicochemical and Microbial Characterization of Soil”** on 25/06/15 and 26/06/2015 for S.Y. B.Sc. Microbiology students.
- 5) **DBT –STAR Hands-on training Workshops (2015-16):**
Dr. Gururaj Rao Deshpande, Scientist C, NIV-MCC and Mr. Ojas Kaduskar, Project Assistant (Research), NIV-MCC conducted a workshop on **“Biosafety Principles and ELISA Technique”** on 11/12/15 and 12/12/15 for T.Y. B.Sc. Microbiology and Biotechnology students at Microbiology Department.
- 6) Dr. Dheeraj Dhotre, and team, MCC-NCCS in collaboration with AMI (Pune Unit) conducted **“Gene Annotation workshop”** on 19/10/15 for MSc II students and staff members at MCC-NCCS. Twenty-nine MSc II students and 2 staff members participated in the workshop.

26. Student profile programme/course wise: 2010-2015

Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.BSc.	240	206	97	109	62.3
M.Sc. I	162	48	8	40	80.5

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F.Y.BSc	97.6	2.4	0
M.Sc. I	99.6	0.4	0

28. How many students have cleared national and state competitive examinations

such as NET, SLET, GATE, Civil services, Defense services, etc.?

Students qualifying Competitive Examinations from 2011-15:

Number of Students qualify National level Examinations like :	12
i) CSIR-UGC NET -JRF	i) 2 (Amol Kasodekar, 2011-12; Nikhil Gaitonde 2011-12)
ii) CSIR-UGC NET-LS	ii) 4 (Lallianmawii Pachuau, 2011-12; Gayatri Surati 2013-14; Nikita Bonde 2013-14; Tejashree Pawaskar: 2014-15)
iii) GATE	iii) 3 (Akshay Joshi 2013-14; Hemlatha Rao, 2015-16; Sai Hivarkar 2015-16)
iv) SET	iv) 1 (Dashrath Sangale, 2013-14)
v) TIFR written entrance test	v) 1 (Abhijeet Kulkarni, 2015-16)
vi) JAM written entrance test	vi) 1 (Soching Luikham 2015-16)

Placement of Alumni

At International Institutes:

Sr. No.	Name	Designation/ Pursuing	Institute
1	Romi Gupta	PhD	Max Planck Institute For Molecular Genetics, Berlin, Germany
		Postdoctoral associate	Yale School of Medicine
		Associate Research Scientist	Yale University, School of Medicine
2	Priyanka Devi	PhD	Pierre and Marie Curie University, Paris, France
		Post doctoral fellow	Inserm, Paris, France
3	Tanmoy Bhattacharya	PhD	Institute for Molecular Genetics, Charles University, Prague, Czech Republic
		Post doctoral Associate	*Whitehead Institute for Biomedical Research, Cambridge, MA, USA.
		Post doctoral Researcher and JAX Scholar	The Jackson Laboratory, Maine, USA
4	Soumen Roy	PhD	Innsbruck Medical University, Austria
		Post doctoral Fellow	National Institute of

			Deafness and Communication Disorders- National Institutes of Health, USA
		Post doctoral fellow	National Cancer Institute, Bethesda, Maryland, USA
5	Sutirtha Datta	PhD	1. University of Virginia, Charlottesville, USA
		Research fellow and Research Study Assistant, Thoracic Oncology Service	Memorial Sloan Kettering Cancer Center, USA
6	Dr. Wishwas Abhyankar	PhD and Post doctoral Researcher	University of Amsterdam, Netherlands
7	Dr. Rupangi Verma	<u>Post-doctoral Research Fellow</u>	Infectious diseases Programme, Yong Loo Lin School of Medicine, National University of Singapore
8	Padmini Das	PhD	Montclair State University, USA
		Post doctoral Research Associate	Montclair State University, USA
9	Vishnu Menon	Post doctoral fellow	Weizmann Institute of Science, Israel.
10	Arunava Pradhan	Ph.D	School of Sciences, University of Minho, Portugal
		<u>Researcher</u>	CBMA, University of Minho, Braga, Portugal
11	Anupriya Kulkarni	PhD	McGill University, Canada
12	Arundhati Bhingare	PhD	Tokyo Medical and Dental University, Japan
13	Bhagyashree Swarge Abhyankar	Ph.D student	University of Amsterdam, Netherlands
14	Chinmay Tikhe	PhD student	Lousiana State University, Baton Rouge, USA
15	Sudarshan Shetty	PhD student	Wageningen University, Wageningen, Netherlands
16	Sushant Gavhale	PhD student	University of Prince Edward Island, Charlottetown, Prince Edward Island, Canada
17	Ayush Ranawade	PhD student	McMaster University, Ontario. Canada
18	Pravin	Research Assistant	Montclair State University,

	Punamiya		USA
19	Devika Bhalerao	Graduate Assistant	Lousiana State University, Baton Rouge, USA
20	Tejashree Vaidya	MS (Marine and Environmental Biology) Teaching Asssistant	Nicholls State University, Thibodaux, Louisiana, USA
21	Parag Patwardhan	Biomedical Engineering	Univ. Of Massachusetts, Lowell, USA

Sr. No.	Name	Designation	Organization
1	Akshay Puri	Associate Director	Citibank, Singapore
2	Parag Patwardhan	Analytical Development Associate II	Genocoe Biosciences. Massachusetts, USA
3	Shweta Deshmukh Inamdar	RGH Development	Illumina, USA
4	Geeta Dinani	HACCP Specialist	Maple Leaf Foods Inc Saskatoon, Saskatchewan, Canada

National Institutes outside Pune :

Sr. No.	Name	Designation/ Pursuing/ Completed	Institute
1	Romi Gupta	MSc JRF	Madurai Kamaraj University IISc, Bangalore
2	Prasad Admane	Ph.D student	NII, Delhi
3	Ajay Akhade	MSc PhD student	IIT-Roorkee NII, Delhi
4	Peehu Pardeshi	PhD student	IIT-Mumbai
5	Shakuntala Pillai	Ph.D student	CCMB, Hyderabad
6	Nikhil Gaitonde	Ph.D student	NCBS, Bangalore
7	Renu Gopinathan	MSc	MSU, Baroda
8	Ayush Ranawade	MSc JRF	MSU, Baroda ACTREC, Mumbai
9	Rupangi Verma	PhD	Delhi University, South Campus
10	Harsh Pawar	PhD student	Institute of Bioinformatics, Bangalore
11	Nikhil Gaitonde	JRF	NCBS, Bangalore
12	Supriya Kumari	PhD student	NIT, Rourkela
13	Mihir Kulkarni	PhD student	JNCASR, Bangalore

National Institutes at Pune:

Sr. No.	Name	Designation/ Pursuing	Institute
1	Parin Shah	PhD student (CSIR-SRF)	NCL
2	Vishnu Menon	PhD	NCL
3	Priya Neurgaonkar	Project Assistant III	NCL
4	Sougata Ghosh	PhD	IBB
5	Snehal Pradhan	PhD	ARI
6	Sagar Kanekar	PhD	ARI
7	Pranita Natesan Pandit	Research Student	ARI
8	Akshay Joshi	JRF	ARI
9	Sai Hivarkar	JRF	ARI
10	Chandrakant Redican	JRF	IISER Pune
11	Hemlatha Rao	Teaching Assistant	IISER Pune
12	Renu Gopinathan	Research Student	IISER Pune
13	Dr. Shrikant Pawar	Technical Officer A	MCC-NCCS
14	Vikas Patil	Technician B	MCC-NCCS
15	Mitesh Khairnar	Technician B	MCC-NCCS
16	Shreyas Kumbhare	Researcher	MCC-NCCS
17	Pranav Pande	Researcher	MCC=NCCS
18	Rachita Shah	Research Assistant	NIV
19	Ojas Kaduskar	Project Assistant (Research)	NIV-MCC
20	Shraddha Modak Gaikwad	Technical Assistant	NARI

Tanmoy Bhattacharya: *Whitehead Institute for Biomedical Research, Cambridge, MA, USA is affiliated with Massachusetts Institute of Technology, USA.

JAX Scholars is an **intellectually rigorous and challenging opportunity** for early career scientists to become critical thinkers in preparation for scientific research, policy and entrepreneurial positions.

JAX Scholars is a **selective award** addressing the national need for research scientists who are accomplished in the broadly defined fields of genetics and genomics.

Upon completion of training, successful Scholars will be prepared for **leadership positions** in their chosen disciplines, as well as having gained exposure to traditional and non-traditional career paths, and the skills required to pursue them.

Up to three scholars will be awarded, each for an initial two-year term. JAX Scholars will receive: \$50,000 annual stipend, plus benefits, Relocation package, \$10,000 annual research and travel budget

Arunava Pradhan:

Arunava Pradhan completed BS in Microbiology, MS in Molecular Biology from India and conducted Doctoral Research at CBMA, University of Minho, Portugal (2009-2013) with Grant from Portuguese Foundation of Science and Technology. In 2013, he was **awarded Doctor in Science**, specializing in Biology from University of Minho, Portugal and **received Subsidiary Award for 2nd Best Doctoral Theses in Limnology 2012-2013 among Iberian Peninsula in 2014 by**

Iberian Association of Limnology (AIL) and Subsidiary Award for 2nd Best European Doctoral Theses in Freshwater Sciences 2013-2014 by European Federation for Freshwater Sciences in 2015. Currently, he is a researcher (since 2013) at CBMA and Integrated Member under research group Sustaining Life-Biodiversity and Functional Ecology. He is member of AIL and Nanotechnology Advisory Group of Society of Environmental Toxicology and Chemistry and reviewer of international journals. He was team member in many national and transnational projects leading to several scientific communications and ISI publications in Q1 subject category journals. His fields of interest include ecotoxicology, nanotoxicology, freshwater toxicology, microbiology, aquatic biology, cell biology and biochemistry, pathogenesis and clinical biology, stress biology, invertebrate behaviour and physiology, biomarker responses, emerging pollutants/stressors, OMICS, remediation etc. His current research includes impacts of engineered nanomaterials (ENMs) on freshwater biota (microbes and invertebrates) in stream ecosystems; structural and functional responses to ENMs and multiple stressors/contaminants at different levels of biological organization (cells, populations, communities); physicochemical properties including size, stability, dispersity, speciation, surface modifications, abiotic/biotic transformation of ENMs at varying and realistic environmental conditions, interactions to biota, impacts on ecosystem processes and fate and underlying mode of actions etc.

29. Student progression:

Student progression	Against % enrolled
UG to PG	42%
PG to M.Phil.	---
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	1%
Employed	
• Campus selection	8-10%
• Other than campus recruitment	80%
Entrepreneurship/Self-employment	1%

30. Details of Infrastructural facilities:

- Library:** Departmental Library consists of 33 books donated by staff and students. The students have access to Central Library of the college. It has 677 reference books (796 copies) worth Rs.772,860.87 and 10 journals worth Rs.22,670.. Library has taken membership of DELNET and UGC NLIST consortia through which they can access paid e-books and e-journals. Students have access to Digital Library facilities in the Central Library. Central Library has provided e-Resources portal of free online databases of scholarly publications.
- Internet facilities for Staff & Students:** 2 computers with internet facilities (AIRCEL: 10 Mbps speed) are available for the staff members.
- Class rooms with ICT facility:** Two classrooms are with ICT facility. For

other classes the department's LCD is used.

- d) **Laboratories: area available in the subject concerned (Sq. ft.): 3542.97 SqFt**

31. Number of students receiving financial assistance from college, university, government or other agencies:

1. The College implements various schemes to provide financial aid to needy students: Students from reserved categories receive **government scholarships** and **freeships** after applying through the college.
- **2015-16:** No. of students benefitted: 79: Details are as follows:

Class	FYBSc	SYBSc	TYBSc	MSc I	MSc II
Scholarship	26	15	3	6	9
Freeship	7	3	1	5	4

- **Seven students** received **Rajarshi Shahu Maharaj scholarship** (Kishor Sonawane, Sayali Borde, Ashwini Harke, Shraddha Kadlak, Sonal Gurav, Kashmira Badgujar)
 - One student (Jini Maliyackal) received **Scholarship** for students belonging to **Minority communities** given by the State Government.
 - **One student** (Aarti Walunj) received **Krantijyoti Savitribai Phule Scholarship** (2014-15).
2. Students are encouraged to apply to various **Trusts and Foundations** for scholarships e.g. Durga Devi Trust, Lila Poonawala Foundation and Erasmus Mundus of European Union. As a result:
 - Priyanka Devi: Received **Erasmus Mundus scholarship** and was pursuing PhD at Paris (**2011-12**).
 - **Three students:** Gayatri Shelke, Neha Gogawale, Purva Chavan (M.Sc. Part-I) received **Lila Poonawalla Foundation Scholarship (2013-15)**
 - **Two students:** Ankita Joshi and Akshata Nayak received **Post-graduate Indira Gandhi Scholarship for Single Girl Child (2014-16)**
 - **Nine students:** Abhay Kothari, Chetan Patwardhan, Kunal Gandhi, Neha Gogawale, Shweta Limbachiya, Akanksha Teggi, Gayatri Shelke and Jagruti Tank (M.Sc.) (**2013-15**) and Prashant Jambhale (2014-16) were awarded **Malhotra Weikfield Foundation Scholarship** and underwent Summer training.
 - Dr. Leena Yeolekar, Consultant, Serum Institute has given Rs. 10,000/- as scholarship to one student (Prashant Jambhale) for his post-graduate studies.
 3. **Earn and Learn Scheme** supported by Student Welfare Department of University of Pune is implemented in the department. No. of students benefitted: 39.
 4. **Staff members** of the college **give financial aid** to needy and regular students to encourage them to complete their education (Details in Point No. 34).
 5. Students are allowed to pay the **fees in instalments**. College provides assistance to the students who have applied for **educational bank loan** to complete the loan formalities.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

The department aspires to provide the students with a positive atmosphere, conducive to their growth and development. It gives support to the students by means of various mechanisms which are discussed below:

- 1) **Guest Lectures:** of renowned scientists/ personnel from industry/ laboratories are arranged to give direct exposure to the students from people working in the field so as to improve their understanding of the applied and technical aspects of the subject. Details are mentioned in Point No. 11.
- 2) **Workshops:** are conducted to improve the skills of the students, give them exposure to applied aspects of the subject, techniques used in industries and laboratories, and improve their research skills and increase their employability. Details are mentioned in Point No. 25.
- 3) **Projects:** UG and PG students carry out projects to improve their understanding and increase their interest in the subject. Details are mentioned in Point No. 17.
- 4) **Visits:**

Sr. No.	Institute/ Organization/ Industry	What seen	Class	Year
1	Mapro Foods, Wai and Panchgani	Working of food industry	FYBSc	2011-12
2	Agritourism, Baramati	Functioning of Dairy, Winery, Sugar factory & Green/ Poly house	FYBSc	2014-15, 2015-16
3	Water Purification Plant of PCMC, Pune	Water purification methods and testing	SYBSc	2011-12
4	Champage Indage, Narayangaon	Winery: Production, packaging and testing of wine, fermenter	SYBSc	2011-12
5	Someshwar Distillery Nira	Laboratory-scale and large scale production, fermenter, distillation column, anaerobic digester	SYBSc	2012-13
6	Agritourism, Baramati	Production of Biofertilizer and Bio-control agent; Water purification system for use in drip irrigation; Use of Solar energy for implementation (automated process) of drip irrigation.; Grafting; Fishery	SYBSc	2013-14
7	Kutwal Foods Pvt. Ltd. (Urja), Sainagar, Andhalgaon, Tal. Shirur	Dairy and Mineral Water Plant functioning.	SYBSc	2014-15
8	Parvati Waterworks Pune	working of plant, water purification, testing and details of supply	SYBSc	2015-16
9	Janakalyan Blood Bank	Functioning of a Blood bank, testing of blood (ELISA),	TYBSc	2011-12, 2012-13,

		separation of components, storage and disposal of blood		2013-14, 2014-15, 2015-16
10	Someshwar Distillery Nira	Laboratory-scale and large scale production, fermenter, distillation column, anaerobic digester	TYBSc	2012-13, 2015-16
11	Kutwal Foods Pvt. Ltd. (Urja), Sainagar, Andhalgaon, Tal. Shirur	Pasteurizer, Preparation of milk products, packaging of milk, plant for bottled water	TYBSc	2012-13, 2014-15
12	National AIDS Research Institute, Pune (Open Day)	Testing of samples, ELISA	TYBSc	2012-13, 2013-14, 2014-15
13	Agritourism, Baramati	Biofertilizer production; Production of Bio-control agent; Water purification system for use in drip irrigation; Use of Solar energy for implementation (automated process) of drip irrigation.; Grafting; Fishery	TYBSc	2013-14
14	Parle G factory and Kamdhenu Masale factory	Functioning of the factories, Process of making Biscuits, spices and pickles	TYBSc (UGC-CoC)	2014-15
15	Jubilant Life Sciences Ltd., Nira	Biogas plant.	TYBSc	2015-16
16	IISER-Pune	Instrumentation for biochemistry and biotechnology, ultracentrifuge, FACS, X-ray, PCR, Nanodrop	TYBSc	2015-16
17	Agharkar Research Institute	Anaerobic culture facility (Anaerobic glove box, Gassing manifold, Gas chromatography)	MSc I	2011-12; 2014-15, 2015-16
18	MCC-National Centre for Cell Science (NCCS)	Gene sequencing & microbial identification methods: FAME Analyzer, MALDI- TOF, Automated Sequencers; Anaerobic culture facility	MSc I	2013-14, 2014-15, 2015-16
19	Plant Pathology Department, Agriculture College, Pune	Study of plant virus diseases, Samples of plant virus infected leaves of different plants(Herbaria)	MSc I	2014-15,
20	NCCS (Open Day)	Confocal Microscopy	MSc I	2014-15
21	Indian Agricultural Research Institute (Regional Centre), Baner, Pune.	Virus Infectivity Assays	MSc I	2014-15, 2015-16

22	Indian Agricultural Research Institute (IARI), Agriculture College Campus	Virus Infectivity Assays	MSc II	2011-12, 2012-13,
23	Biotechnology Dept., Modern College of Arts, Science & Commerce, Shivajinagar	Plant Tissue Culture facility	MSc II	2011-12
24	Water Purification Plant of PCMC, Pune	working of plant, water purification, testing and details of supply	MSc II	2011-12
25	Champagne Indage, Narayangaon	Wine production, testing, bottling	MSc II	2011-12
26	Kutwal Foods Pvt. Ltd. (Urja), Sainagar, Andhalgaon, Tal. Shirur	Dairy and Mineral Water Plant functioning.	MSc II	2014-15
27	NCCS	Fluorescence Activated Cell Sorting (FACS)	MSc II	2014-15, 2015-16
28	PMC's Sewage treatment plant at Dr. Naidu Hospital Pune	Sewage treatment methods	MSc II	2014-15, 2015-16
29	Someshwar Distillery Nira and Jubilant Life Sciences Ltd., Nira	fermentation plant, distillery and biogas plant.	MSc II	2015-16

- 5) Participation in **Annual Science Exhibition, 'Anubhuti'**: Students present **projects, posters and models**. Selected ones are promoted for participation in inter-collegiate, state, national and international events. The department also organizes **'Rangoli', 'Salad decoration' and 'Microbial Art'** competitions with **Microbiology as a theme**. These activities encourage referencing, hands on and peer learning, team work, presentation skills and creativity amongst the students.
- 6) **"UDAAN"** was initiated for giving the students maximum exposure to the vast opportunities available in industries before they take a decision of their future career. Each student of M.Sc. II gathers and displays the complete profile of one of the leading industries in the field of Pharmaceuticals, Food and Dairy, Agriculture, Medical Diagnostics and Research. The details of the industry includes the leading brands of the company, complete product range, various manufacturing and R & D facilities, their contact details, market share and also the current career prospects in various departments.
- 7) **Water Potability Testing:**
We initiated the activity of testing the Potability of drinking water available at our college, which is a basic need of everybody in the college. This activity is undertaken by T.Y.BSc. Microbiology students. While participating in this

activity the students get exposure to the applied aspects of topics included in their undergraduate syllabus and carry out some of the techniques which are commonly used in many water testing laboratories which are certified under BIS (Bureau of Indian Standards).

- 8) **Interactions:** of current students with well-placed alumni in order to make students aware of opportunities available and skill-sets required:
 - Gaurav Gunjal, Zee Education Ltd. Pune
 - Imran Khan, Persuing Ph.D. at South Korea
 - Chinmay Tikhe, Persuing Ph. D. at Louisiana State Univ. USA
- 9) **Placement Drives:**
 Careerversity in association with leading food industries in India organized the placement drive. The food industries who conducted the drive were
 - Foodrite India
 - Cafco Food Products
 - Nutrotop
 - Chordia Foods (Pravin Masalewale)
 - Samruddha Jeevan
- 10) **Under DBT-STAR scheme**, we conduct practicals, projects, guest lectures and workshops in order to improve the understanding of the basic concepts in the subject.
- 11) **UGC sanctioned Career Oriented Course:** ‘Applied Techniques In Industry and Laboratories’:

Highlights :

- Practical and theoretical training by experts from industry and academics
- Training in Soft skills and entrepreneurship
- Hands on Training in laboratories: **Memorandum of Understanding (MOU)**
- An MOU was signed on 18/9/2012 with Janakalyan Blood Bank for a period of five years for hands on training program to increase employability of students. Students received a **work experience certificate** for the same from Janakalyan Blood Bank.
- An **MoU** has been signed with **Kulkarni Laboratory and Quality Management Services (NABL Accredited Laboratory)** for training with respect to Food and Water Analysis.
- **Visits** conducted to:
 - Kutwal foods Pvt Ltd., Shirur, Pune (URJA foods)
 - Maharashtra Medical Foundation- Joshi Hospital, Pune
 - Janakalyan Rakta Pedhi, Pune
 - Vermicultue plant, Pune
 - Soil Microbiology Dept, Agriculture college, Pune
 - KF Bioplants
 - Parle G
 - Kamdhenu Pickles and Spices, Pvt Ltd

33. Teaching methods adopted to improve student learning:

- Chalk and Board

- Power point presentation/ OHP
- Audio-visual Aids (Video representation of topic)
- Case study method
- Group Discussion
- Assignments
- Seminars
- Notes Through e-mails
- Seminar presentations
- Projects
- Study tour/ Visits
- Guest lectures
- Extra practicals under DBT-STAR scheme
- Bridge course
- Remedial course

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

1. Financial Aid:

- i. Staff members of the department have given financial support to students for their education:
2011-12:
 - a. Rs.2 ,000/- to one FYBSc student (Avinash Kisan Kamble);
 - b. Rs. 2,000/- to one SYBCA student (Nilesh Gudse);
 - c. Rs. 7,500/- to one MSc II student (Pandurang Lahare).
- ii. Staff members of the department have given financial support to a student for his medical bills: Rs. 1100/- to Mr. Amit Sagar, G.D. Art (Advance), Abhinav Kala Mahavidyalaya Pune.
- iii. Staff members of the department have given Rs. 1400/- as financial support to family of Late Mr. Waghmode (Peon). (2012-13)
- iv. Staff members of the department have given financial support to a student for his education: A sum of Rs. 12,000/- to Yogesh Kumbhar (MSc II) (2013-14)
- v. Staff members of the department have given financial support to a student for his educational fees:
 1. A sum of Rs. 8,500/- to Prashant Jambhale (MSc II) (2015-16)
 2. Dr. Leena Yeolekar, Consultant Serum Institute of India Pvt. Ltd. (a Resource Person of UGC-CoC) has given financial aid of Rs. 10,000/- to Prashant Jambhale.(2015-16)

2. Water Potability Testing: (2010-16)

In Aug 2010, we have started a new activity of **testing the Potability of drinking water** available at our college, which is a basic need of everybody in the college. This activity is undertaken by T.Y.BSc. Microbiology students. While participating in this activity the students get exposure to the applied aspects of topics included in their undergraduate syllabus and carry out some of the techniques which are

- commonly used in many water testing laboratories which are certified under BIS (Bureau of Indian Standards). Mrs. Ashwini Satbhai: is the **Coordinator** for **"Water Potability Testing" Programme** for drinking water provided in college.
3. Mrs. Sneha Ogale is a **member (Ann) of Rotary Club of Pune South**. Under its aegis the following activities were carried out by her:
 - She published an article, 'When You Are Happy And You Know It Clap Your Hands', in the club's newsletter Southern Star (15th Nov 2011 edition).
 - Participated in **Inter-Rotary Club Ekankika Spardha** 2012-13, organized by Rotary Club of Shivajinagar, Pune on 10/10/12. Title of play: 'Jeena Yahan Marna Yahan'. It was **about life at an Old Age Home**.
 - Participated in **'Tree Plantation Drive'**, organized by Rotary Club, Pune South.
 - Participated in Tree Plantation drive and **Published a report on it (Rutu Hirva: Tree Plantation Drive)**, in the club's newsletter Southern Star (24th July 2012 edition).
 4. Mrs Vrushali Deshmukh: participated in **NSS winter Camp** at Garade on 25th Dec 2012.
 5. **Election Duty:** Ensuring free and fair elections: Mrs. Sneha Ogale, Mrs. Anupama Sonawane, Dr. Mrs. Neelima Kulkarni, Mr. Prasad Deshmane, Mrs. Trupti Kulkarni, Mr. Sachin Kaldhonkar: **had Election Duty** (Polling Officer 1/ Polling Officer 2/ Polling Officer 3) for Vidhan Sabha Sarvatrik Nivadnuka (General Assembly) Elections on 15/10/2014.
 6. Students of TYBSc (Hardik Shah, Rashmi Ahire) and alumni of the department (Namrata Deo, Akshay Joshi, Manasi Yadav & Sougata Ghosh) **interacted with street children of Pune University Circle**, conducted a 'drawing and literacy programme' for them and distributed food on the occasion of Republic Day, 26/01/15.
 - 7) Fifteen students of MSc I and two staff members visited the **orphanage 'Bal Sadan'**, at 'Matoshri', Karvenagar, Pune on 3/10/15 as part of **'Joy of Giving Week'** activities. One of the students celebrated her birthday there along with five of her classmates on 4/10/15. They conducted various activities for the children such as teaching them Marathi Grammar, poems, rangoli, drawing and paper quilling. They also conducted games for them such as cricket, chess and computer based games. They gave them food and gifts such as crayons, drawing paper, quilling set and compass box.
 - 8) Sougata Ghosh: Organized **Republic Day celebration with street children** – Food and cloth distribution, painting and learning initiatives on 26th January, 2015 at Pune University Signal.
 - 9) Sougata Ghosh: Organized **Toys from Trash workshop** with the **street children** on 25th December, 2015 at Pune University Signal.
 - 10) Sougata Ghosh: Delivered **Lecture on "Benefits of organic farming and potential of medicinal plants as complementary and alternative medicine"** On 25th and 26th April, 2015 at Pani Panchayat, Saswad, Maharashtra.

35. SWOC analysis of the department and Future plans:

Strengths:

1. Qualified, dedicated and enthusiastic staff who have experience in varied fields such as teaching, research and industry.

2. Exposure of students to the subject via Guest lectures, educational visits, projects, seminar presentations and participation in conferences in addition to lectures and practicals.
3. Use of ICT methods in addition to chalk and board for teaching.
4. Involvement of students in research and extension activities for overall growth.
5. Involvement of students in Activities such as Udaan, water potability testing and 'Interactions' with alumni for better exposure of students to the real world.
6. Staff regularly update themselves by participation in Conferences, Workshops, Refresher courses and Faculty Development Programs.
7. UGC Career Oriented Course which provides exposure to students to industries and laboratories where they can be employed, via Guest lectures, training and visits.
8. DBT-STAR scheme funded department which facilitates under-graduate teaching and research.
9. DST-FIST supported department which facilitates post-graduate research.

Weaknesses:

1. Lack of individual funded Research Projects.
2. Constraints of laboratory space for PG students for practicals and project.

Opportunities:

1. There is requirement of trained microbiologists for employment in Biotech, Pharma, agri-biotech industries. Our college has the opportunity to be the hub of such training programs and the source of trained microbiologists having the required skill sets.
2. Presence of National level institutes in our vicinity provide us with the opportunity to create linkages to give exposure at various levels to our students and staff members such as interaction with/ Guest lectures by scientists, research project placement and collaborative research projects.

Challenges:

1. Competition faced from the various centres of BSc and MSc Microbiology which have been started under SP Pune University.
2. Rising cost of equipment and consumables required for practicals and project work.
3. Decrease in student desire for in depth learning.

Future Plans:

1. Apply to renowned organizations for funding Research projects.
2. Implementation of Research Based Pedagogical Tools (RBPTs) in teaching-learning process.
3. Organize Conferences/ training workshops for better exposure of the students and staff to resource persons from the field and to provide them a platform to present their research work.
4. Promote the participation of students in co-curricular and extra-curricular activities.
5. Conduct joint activities for current students and alumni.
6. Extension activities: Promote students' participation in educational and charitable programmes for needy/ disadvantaged people.

Evaluative Report of Physics Department

1. **Name of the Department** : Physics
2. **Year of Establishment** : 1993
3. **Names of Programmes/ Courses offered:**

Sr. No.	Courses Offered (UG)
1	B.Sc. (Physics)
2	F.Y.B. Sc. Biotechnology

4. **Names of Interdisciplinary courses and the departments / units involved:**
 - B.Sc. (Biotechnology)
 - Students work for their projects in other departments like Electronics, Chemistry, Microbiology, Zoology, Sports, Botany and Biotechnology
5. **Annual/semester/choice based credit system (programmewise) :**

Name of the Course	Programme
F. Y. B. Sc.	Annual
F.Y.B.Sc. (Biotechnology)	Annual
S. Y. B. Sc.	Semester
T. Y. B. Sc.	Semester

6. **Participation of the department in the courses offered by other departments:**

Name of the Department	Courses offered
Biotechnology	F.Y. B.Sc. (Biotechnology)

7. **Courses in collaboration with other universities, industries, foreign institutions, etc. –**

Courses	Name of the Institution
Workshop on “Physics in Archaeology”	Deccan College, Deemed University
Workshop on “Telescopes and Astronomy”	Khagol Vishva, Pune
workshop on “Laboratory Safety	Sciencetech Instruments, Pune

8. Number of teaching posts

Teaching Posts	Sanctioned	Filled
Asst. Professors	4	4

9. Faculty profile with name, qualification, designation, specialization

Name	Qualification	Designation	Specialization	No. of Years of Experience
Mrs. Varsha Joshi	M.Sc. (Physics) Sangeet Visharad	Head, Assistant Professor	Electronics	27
Mr. Mahendra Waghmare	M.Sc. (Physics), SET	Assistant Professor	Physics with Electronics	20
Mrs. Chhaya Abnave	M.Sc. (Physics)	Assistant Professor	Material Science, Electronics	9
Mr. Pawan Surwase	M.Sc. (Physics)	Assistant Professor	Material Science, Energy studies	1

10. List of senior visiting faculty:

Sr. No.	Name of the Visiting Faculty
1	Dr. Ravindra Kshrisagar
2	Dr. Mohini Kute
3	Mrs. Deepali Meher
4	Mr. Deepak Kumbhar
5	Mr. Niket Tajane
6	Dr. Pooja Rana

11. Percentage of lectures delivered and practical classes handled by temporary staff (programme wise)-

20 % Practicals are conducted by temporary staff

12. Student-Teacher Ratio (programmewise)

Class	Theory	Practical
F.Y.B.Sc.	60:1	20:1
S.Y.B.Sc	20:1	20:1
T.Y.B.Sc	14:1	14 :1
F.Y.B.Sc. (Biotechnology)	75:1	25:1

13. Number of academic support staff (technical) and administrative staff ; sanctioned and filled:

Support Staff	Sanctioned	Filled
Technical Staff	02	02
Administrative staff	02	02

14. Qualifications of teaching staff with D.Sc. / D. Lit /Ph.D. / M. Phill. /P.G.:

Qualification	No. of staff
Ph .D. (Pursuing)	O1
P.G.	O4

15 Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Sr No	Name of the Investigator(s) (SANCTIONED)	Title of the Research Projects/Scheme	Name of the Funding Agency	Duration of the Project/ Scheme	Amount Sanctioned (Rs)	Major /Minor
1	Mr. Mahendra Waghmare	Synthesis and characterization of Nano ferrites	UGC	2015-17	4,70,000/-	Minor

16. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received :

Sr. No.	Name of the funding Agencies	Amount in Rs.
1.	Department of Biotechnology Government of India, Delhi	Rs. 11 Lakhs- for non recurring and Rs. 8 Lakhs for recurring in last four years
2.	DST FIST	Rs. 1,38,600/-
3.	UGC	Rs. 50,000 /-

List of projects funded by DBT, DST-FIST and UGC Scheme.

Sr. No.	Project Name
DBT	
1.	Determination of Refractive Indices of different liquid by Refractometer.
2.	Analysis of hearing loss of different age group peoples by Audiometer.
3.	Study of propagation and bending loss in Optical Fiber.
4.	Bicycle power Generator.
5.	Study of Antenna.
6.	Comparative study of different Sources of light by using Lux meter
7.	Study of Hysteresis loop of different magnetic materials.
8.	Study of mobile phone Radiations on egg, milk.
9.	Simple water purity taster by capacitor.
10.	Determination of velocity of Ultrasonic wave in different liquids by using Ultra sonic Interferometer.
DST-FIST	
1.	“Effect of different colors of light intensities on stridulation of Black cricket”
UGC	
1.	Study of absorption coefficient of Gamma Rays by using G. M. Counter.

17. Publications:

Name of the staff	Name of the Paper	Conference/Journal	ISSN number
Mrs. Varsha Joshi	Role of ICT in Higher Education'	conference proceeding (20-21 Feb 2015)	ISBN 978-93-85026-04-1
Mrs. Varsha Joshi	Opportunities for using smart materials in Musical instruments	International conference on Functional Eco friendly Smart Emerging Materials at B. R. Gholap College, Sangvi, Pune	-
Mrs. Varsha Joshi	Electrochemical Properties of Graphene	Poster presentation at Avishkar Zonal Level Project Competition of Savitribai Phule Pune University	-
Mr. Akshay Vays	Thin Film Synthesis and its characterization	National Conference at Yashvantrao Mohite College	-

Name of the staff	Course	type	Name of the books	ISBN number
Mr. Mahendra Waghmare	T.Y.B.Sc.	Text book	Atomic and Molecular Physics	978-93-5158-378-3
Mr. Mahendra Waghmare	T.Y.B.Sc.	Text book	Nuclear physics	978-93-5158-488-9
Mr. Mahendra Waghmare	S.Y.B.Sc.	Text book	Oscillations, Waves and Sound	-

18. Areas of consultancy and income generated:

Sr.No.	Name of the faculty	Area of expertise
1	Mrs. Varsha Joshi	Acoustics
2	Mr. Mahendra Waghmare	Chemical and Electrical Industries
3	Mrs. Chhaya Abnave	Electronics and material science
4.	Mr. Pavan Surwase	Renewable Energy

19. Faculty as members in National / Inter National / Editorial Boards Board:

- Mrs. Varsha Joshi is a life member of
 1. Acoustical Society of India
 2. Indian Science Congress
 3. Indian Physics association (Pune Chapter)

20. Student projects:**a. Percentage of students who have done in house project including interdepartmental/ programme.**

Class	Percentage
F.Y.B.Sc.	75
S.Y.B.Sc	80
T.Y.B.Sc	100

b. Percentage of students placed for projects in organizations outside the institution i.e in research laboratories/industry/other agencies : 1-2 students per year

Sr. No.	Project Name	Name of the institute
1.	Temperature monitoring system Using thermistor.	Indian Meteorological Department(IMD), Pune
2.	Study of Impact craters.	Khogolvishwa, Pune
3.	Estimation of temperature of sun surface.	Khogolvishwa, Pune
4.	Effect of light pollution of visibility of stars in Pune region.	Khogolvishwa, Pune
5.	Measurement of wind speed and wind direction.	Indian Meteorological Department(IMD) ,Pune
6.	Comparative study of Conventional and Modern X-Ray process.	Kotbagi hospital, Aundh Pune.

21. Awards/Recognition received by faculty and students:

- Mrs. Varsha Joshi worked as Student welfare Officer from 2006 to 2014
- Mrs. Varsha Joshi worked as IQAC Coordinator from 2009 to 2015
- Mrs. Varsha Joshi :Award for "**Best Student Welfare Officer**" from Savitribai Phule Pune University. (2013-14)
- Mr. Akshay Vyas : Participated in **National Conference** on “thin Film Synthesis and Characterisation” at Yashwantrao Mohite College, Pune in 2012 and Won **First Prize** in paper presentation
- Ms. Ashiya Pathan student from T.Y.BSc participated in “**Avishkar**” Zonal level project competition, Pune district.
- Mr. Sanjit Deokar, a student of T.Y.B.Sc. was selected to be a member of Pune University team for attending Interuniversity National Youth Leadership

Camp organized by Association of Universities New Delhi at Gurunanak Dev University Amritsar from 7-11 August 2012. **He team got second prize for Best Disciplined Team.**

- Shubhangi Dhumal and Sonali Pawar of F.Y.B.Sc. got second prize in Project competition for their Digital clock from Fruit at college level. in 2012-13
- Kalyani Bhat, Veersen Singh and Ajinkay Balwadkar students of F.Y.BSc. got first prize in poster “**Physics in Car**” at college level.
- Manpreet Kaur and Clinton Singh students of F.Y.BSc won the first prize in model on “**Formation of sine wave by using simple pendulum**” at college level.
- Prasad Shelar, Abhishek Waykar and Amol Walke students of F.Y.BSc won the second prize in model on “**Hydro Electric power station with turbine**” at college level.
- Arti Kamble, Rushikesh Nigade and Randeer Dubey students of F.Y.BSc won the third prize in model on “**Hydraulic lift**” at college level.
- Nachiket Kortikar a student of S.Y.BSc won second prize in project competition on “**Intensity dilation due to magneto optical Rotation**” at college level.

22. List of eminent academicians and scientists/visitors to the department

Sr.No.	Name of the Visiting Faculty	Designation	Institute
1	Dr. Sheila Mishra	Head, Department of Archaeology	Deccan College, Pune
2	Dr. K.C. Mohite	Dean of Science Faculty in SPPU	SPPU, Pune
3	Dr. Ram Takawale	Ex. Vice Chancellor of SPPU	SPPU, Pune.
4	Dr. Pandit Vidhyasagar	Former Head Department of Physics, SPPU, Pune	SPPU, Pune
5	Dr. Sanjay Dhole	Department of Physics, University of Pune	SPPU, Pune
6	Dr. P. S. Tambade	Associate Professor	Ramakrishna More College, Pune.
7	Dr. Vijay Labade	Assistant Professor	Fergusson College, Pune
8	Mr. Mayuresh Prabhune.	Director	Khagol Vishva Austroclub, pune.
9	Dr. Supriya Patil	Assistant Professor	Garware College, Pune
10	Dr. Raka Dabhade	Associate Professor	FergussonCollege, Pune.

23. Seminars / Conferences/ Workshops organized and source of funding**For Staff and Students:**

- 1) Workshop in “**Laboratory Safety**” for laboratory Staff from various colleges under DBT-STAR college scheme funds .
- 2) Interdisciplinary Workshop on “**Labview-7 software**” for the teaching faculty, under DBT-STAR college scheme funds. for Electronics, Mathematics, Physics and Statistics
- 3) Workshop on “**Physics in Archaeology**” for the students under DBT star college scheme, sanctioned by Department of Biotechnology, Government of India
- 4) A hands on Training organized under DBT star college scheme for F.Y.B.Sc. & S.Y. B.Sc. students on “**Education Toys Making**” at IUCAA, Pune University.
- 5) Workshop on “**Telescope and Amateur Astronomy**” for the students under DBT star college scheme.

24. Student profile programme / course wise:

Academic Year	Name of the Course/ programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass %
				*M	*F	
2011-12	T. Y. B. Sc	07	07	02	05	100
2012-13	T. Y. B.Sc.	11	11	07	04	81.81
2013-14	T. Y. B.Sc.	10	10	05	05	40
2014-15	T.Y. B.Sc.	17	17	14	03	58.82

25. Diversity of Students in Last Five Years.

Name of the Course	% of students from the same state	% of students from other States
F.Y. B. Sc	96.66	3.33
S.Y.B. Sc.	96.51	5.69
T.Y.B. Sc.	97.79	5.49

26. How many students have cleared national and state competitive examinations such as NET , SLET , GATE, Civil services, Defense services ,etc.? : 01

A Student of T .Y. B. Sc Sanjeet Devkar has passed **Intelligent bureau assistant central intelligence officer** grade 2 examination conducted by Ministry of Home Affairs.

27. Student progression:

Student progression	AGAINST % ENROLLED
UG to PG	75
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	01
• Other than campus recruitment	53.33
Entrepreneurship/ Self-employment	02 10 %

28. Details of Infrastructural facilities**a) Library :-**

Central Library Books	Departmental Books	Magazine
554	175	02

b) Internet facilities for Staff and Students :

- 3 computers, 1 Laptop and 1 printer
- Internet – 09 Access point (Speed 500 BPS , AIRCEL)

c) Class rooms with ICT facility : 02

Laboratories: 2

Lab. Area – 114 sq. m.

d) Major instruments in the department

Sr. No.	Name of the instruments
1	Polarimeter
2	Digital storage oscilloscope
3	Refractometer
4	Ultrasonic Interferometer
5	Fiber optics kit
6	Furnace
7	Two Probe method Apparatus
8	Geiger Muller Counter
9	Constant Deviation Spectrometer
10	LCR Q Meter

29. Number of students receiving financial assistance from college, University, Government or other agencies:

Students get various scholarships or free ships from government or other agencies.

Category	2011-12	2012-13	2013-14	2014-15	2015-16
Scholar ship					
SC	06	05	07	12	03
ST	02	01	-	-	-
OBC	-	02	06	11	05
SBC	-		01	03	02
VJNT	-	01	04	01	01
Free ship					
SC	01	01	-	03	-
OBC	-	01	03	-	02
VJNT	-	-	02	03	01

In addition the staff members give financial support to students for payment of fees.

30. Details on student enrichment programmes :

- One day workshop on 'Physics in Archaeology' was organized by department on 30th Jan 2015 under DBT star college scheme, sanctioned by Department of Biotechnology, Government of India.

Expert: Mrs. Sheila Mishra, Head, Department of Archaeology, Deccan College, Pune.

- Organized a one day workshop on 'Telescope and Amateur Astronomy' under DBT star college scheme, on Sunday 9th Feb, 2014
- A hands on Training was organized under DBT star college scheme for F.Y. Bsc & S.Y. Bsc students on "Education Toys Making" at IUCAA, Pune University.
- Interactive guidance lectures by Alumni
- Industrial visits and study tours
- To encourage fun based learning subject, department organizes events like quiz and puzzles competition, cartoon making and rangoli drawing based on some theme from the subject
- Guest Lectures :
Dr. Sanjay Dhole, Reader, Department of Physics, University of Pune, Pune
Topic: 'Use of Nuclear Radiations for the Society'.
Dr. P. S. Tambade, Associate Professor, Ramkrishna More College, Akurdi
Topic: Computer Simulation & Animation in Simple Harmonic Motion.'
- Special Sessions :
Problem solving session, Training of handling special instruments, Component identification practice, Demonstrations

31. Teaching methods adopted to improve student learning:

- Class discussions
- Problem solving sessions
- Puzzle and Quiz- to increase the thinking power
- Project discussions
- Use of videos clips
- Use of LCD Projector
- Assignments and open book tests
- Encouraging and guiding students for doing projects
- Use of coloured chalks for better representation of three dimensional view and geometry.

32. Participation in Institutional Social Responsibility (ISR) and Extension activities

- T.Y. B Sc and S. Y. B Sc - A Social visit was arranged for students at “**Kamayani Vidyamandir**”, Pune for creating awareness about mentally challenged students.
- Financial help to the needy students by staff.
- Staff donates clothes, toys, books to needy childrens.
- Donation given to NAAM foundation –an organization working for families of farmers
- Election duties.
- One of the staff member has done a survey during NSS camp on “**Consumption of various energy resources by the villagers**”
- Participation in ‘Swachhata Abhiyan’ organized by the college

33. SWOC analysis of the department future plans:**Strengths:-**

- Well-equipped laboratory with internet facility.
- Good rapport with students.
- Enthusiastic and hardworking faculty
- Excellent Infrastructure.

Weaknesses:-

- Industrial interaction.
- Research activity for the students.
- Collaboration with different Manufacturing industries.

Opportunities:-

- Consultancy Services
- Collaborative research with nearby National Institutes

Challenges:-

- Strengthen students strength
- Encouraging students for research

Future Plans:

- Improving research activity of the department.
- Starting B.Sc. Nanotechnology
- Offering Consultancy
- Starting Skill Based short term courses.

Evaluative Report of Statistics Department

- 1. Name of the department :** Statistics
- 2. Year of Establishment :** 1996
- 3. Names of Programmes / Courses offered :**
(i) B.Sc. (Gen.) (ii) B.Sc. (Comp.Sci.)
- 4. Names of Interdisciplinary courses and the departments/units involved :**
(i) B.Sc. (Comp.Sci.) (ii) B.Sc.(Biotech.) (iii) M.Sc.(Zoology)
(iv) B.B.A. (CA)
- 5. Annual / semester / choice based credit system :**
(i) Annual pattern for F.Y.B.Sc.
(ii) Semester pattern for S.Y.B.Sc.
(iii) Continuous evaluation by midterm examination for theory Papers
(iv) Annual pattern for Practical paper.
- 6. Participation of the department in the courses offered by other departments:**
(i) B.Sc. (Comp.Sci.) (ii) B.Sc.(Biotech.)
(iii) M.Sc.(Zoology) (iv) B.B.A. (C.A.)
- 7. Courses in collaboration with other universities / industries :**
(i) Modern college of Physiotherapy, Shivaji nagar,Pune-5
(ii) Workshop for learning R software.
(iii) K.E.M. Hospital, Pune.
(iv) Research Methodology for Ph.D. Entrance exam. for Engineering students of Modern College of Engineering, Shivajinagar, Pune.
- 8. Details of courses/programmes discontinued (if any) with reasons :** N.A.
- 9. Number of Teaching posts :**

	Sanctioned	Filled
Professors	---	----
Associate Professors	01	01
Assistant Professors	03	03

10. Faculty profile with name, qualification, designation, specialization.

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided
Dr. Amita Dharmadhikari	M.Sc., M.Phil., Ph.D.	Associate Professors	Reliability and Design of experiments	37	--
Mrs. Sonia Joshi	M.Sc., SET	Assistant professor	Data analysis on R, Excel	8	--
Miss Pournima Joshilkar	M.Sc., SET	Assistant professor	Data analysis on R, Excel	5	--
Miss Yogita Shah		Assistant professor	Data analysis on R, Excel	3	---

11. List of senior visiting faculty :

- Dr. Anil Gore (Vice President, Cytel India)
- Dr. Mrs. S.A. Paranjape (Principal Statistician, Cytel India)
- Mr. Vishwanath Iyer (Co-chair, Novartis Healthcare India Pvt. Ltd.)
- Mr. Vidyadhar Phadke (Senior Statistician, Cytel statistical software services)

12. Percentage of lectures delivered and practical classes handled by temporary faculty :

Programme	Percentage
F.Y.B.Sc. (Gen)	7
S.Y.B.Sc. (Gen)	Nil
F.Y.B.Sc. (Compu.)	13

13. Student -Teacher Ratio (programme wise):-

	Student teacher ratio	
	Theory	Practical
F.Y.B.Sc.(Gen)	20:1	20:1
S.Y.B.Sc.(Gen)	10:1	10:1
F.Y.B.Sc.(Comp.Sci.)	60:1	60:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

- Technical support staff – 01
- No. of administrative staff – 02

15. Qualifications of teaching faculty with Ph.D./ M.Phil. / P.G. :

Same as above mentioned for Q.10.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :

01 Major Research Project with Grant of Rs.12.53 Lacs from UGC, New Delhi.

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR etc. and total grants received:

Funding Agency	Specification	Amount (Rs.)
DBT, Govt. of India	Software purchase	10 Lacs
DBT, Govt. of India	Computer purchase	5 Lacs
UGC, New Delhi	Major research project	12.53 Lacs

18. Research Centre /facility recognized by the University :

Research facility recognized by U.G.C.

19. Publications: 01

- (1) No. of papers : 01 in peer review in International journal.
- (2) Chapters in books: 01 chapter in Std.XI and XII text books published by Balbharati.

20. Areas of consultancy and income generated :

1. Design and Statistical analysis of questionnaires related to different health issues among women.
2. Design and statistical analysis of questionnaire related to social issues.
3. Research concerned with pre and perinatal psychology and health.

Consultancy is provided to various research Projects carried out by:

1. Manshakti Research Center, Lonavala,
 2. Students of Nursing College of Symbiosis Institute, Pune.
- Income generated : Rs. 25000.

21. Faculty as members in (a) National committees (b) international Committees (c) Editorial Boards :- Nil

(d) Any other :

1. Member Research committee : Manashakti research center, Lonavala.
2. Member of Board of studies in Statistics, S P Pune University.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental / programme : 100% students do in-house projects.
- b) Percentage of students placed for projects in organizations outside the institution : The in-house projects were displayed in Science exhibition.

List of prize winning projects for years 2011-2016 is given below:

Sr.	Class	Title of the project
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No.		
1	F.Y.B.Sc.(Gen)	Stem and leaf chart presentation of PMPML Bus time table.
2	F.Y.B.Sc.(Comp.Sci.)	Comparative study of student's performance at the internal examinations.
3	S.Y.B.Sc.(Gen)	Statistical analysis of Ashes Cricket
4	F.Y.B.Sc.(Comp.Sci.)	Statistical analysis of oral cancer in India
5		Are we getting the exact weights of material purchased?
6	S.Y.B.Sc.(Gen)	Association between blood groups and types of diabetes.
7	F.Y.B.Sc.(Gen)	100 years of Indian Cinema
8	S.Y.B.Sc.(Gen)	Estimation of traffic density at signals in University circle
9	F.Y.B.Sc.(Gen)	Analysis of data of electricity generation & consumption in Maharashtra.
10	F.Y.B.Sc.(Gen)	A statistical report on use of internet & social networking sites
11	F.Y.B.Sc.(Comp.Sci.)	Time series analysis of petrol prices in Pune city
12	F.Y.B.Sc.(Comp.Sci.)	A Statistical report on game of soccer
13	F.Y.B.Sc.(Comp.Sci.)	Analysis of E-waste management

23. Awards / Recognitions received by faculty and students:

One faculty member has cleared SET (January 2016).

24. List of eminent academicians and scientists / visitors to the department:-

- (i) Dr. Anil Gore (Vice President, Cytel India)
- (ii) Dr. Mrs. S. A. Paranjape (Principal Statistician, Cytel India)
- (iii) Mr. C. E. Potnis (C.E.O., Nitor Infotech, Pune)

25. Seminars / Conferences / Workshops organized and the source of funding:

Sr. No.	Seminars/ Workshops/ Training Program	Funding agency
Seminars :		
1	Path to success through Statistics by Mr. C. E. Potnis	DBT
2	Careers in Statistics by Prof. P. G. Dixit	DBT
Workshops and Training Programs :		
1	Use of R software	DBT
2	Use of i) stem and leaf chart ii) Spider chart iii) Nightingale chart for data presentation.	DBT
3	Celebrating Statistical Innovation and Impact in a World of Big & Small Data	IISA (Pre-conference workshop)

26. Student profile programme/course wise:

Name of the	Applications	Selected	Enrolled	Pass
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Course/programme	received		*M	*F	percentage
B.Sc.(Gen)	42	42	27	15	71.65
B.Sc.(Comp.Sci.)	213	213	113	100	47

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from		
	the same state	other States	abroad
B. Sc.(Gen & Comp.Sci.)	98	1	1

28. How many students have cleared national and state competitive examinations?

Sr. No.	Name of student	Exam	Post
1	Shivraj Hale	MPSC	PSI at Gadchiroli
2.	Tushar Surwase	MPSC	Thane Nagarpalika

29. Student progression :

Student progression	Against % enrolled
UG to PG (B.Sc. (Gen) & (Comp.Sci.))	10

30. Details of Infrastructural facilities

Sr. No.	Facility	Availability
1	Library	128 Text books, 46 Reference Books
2	Internet facilities for staff and students	Yes
3	Total number of class rooms	04
4	Class rooms with ICT facility	04
5	Students' laboratories	04
6	R Research laboratories	01

31. Number of students receiving financial assistance from college, university, government or other agencies:

About 100 students receive State Government scholarships each year.

32. Details on student enrichment programmes with external experts:

Sr. No.	Seminars/Workshops/Training Program
Seminars	
1	Path to success through Statistics by Mr. C. E. Potnis
2	Careers in Statistics by Prof. P. G. Dixit
Workshops and Training Programs	
1	Use of R software

2	Use of i) stem and leaf chart ii) Spider chart iii) Nightingale chart for data presentation
3	Celebrating Statistical Innovation and Impact in a World of Big & Small Data

33. Teaching methods adopted to improve student learning:

- i) Use of Computer and LCD for more effective teaching
- ii) Periodical group discussions of students.
- iii) Conducting periodical tests including questions of the type objective and subjective
- iv) Giving exclusive question banks for each paper in the class
- v) Arranging seminars, workshops of external experts
- vi) Designing new practicals which are not included in the curriculum for better understanding of the topic.
- vii) Preparing students for different competitions like quiz.
- viii) Arranging study visits to different institutes for understanding applications of the subject.
- ix) Guiding students for within and inter-departmental projects.
- x) Extra remedial lectures are conducted for failed students.

34. Participation in Institutional Social Responsibility and Extension activities.

- i) Loksabha elections, 2014.
- ii) Consultancy for research projects of charitable institute Manashakti at Lonawala.

35. SWOC analysis of the department and Future plans:-

- A) Strengths** : i) Qualified and dedicated staff.
ii) Well maintained discipline in the department.
- B) Weaknesses** : i) Lack of proper and full time supportive staff like lab assistant, lab attendant.
ii) Inadequate laboratory space and no. of computers.
- C) Opportunities** : i) Introducing Statistics at principal level
ii) Interdisciplinary courses at F.Y. level can be started eg. Statistics for life sciences,
iii) Research projects with different organizations like NSSO can be undertaken.
- D) Challenges** : i) Completion of syllabus in stipulated number of lectures,
ii) To improve percentage of attendance in theory classes.

Future plans :

- 1) MoU with KEM hospital in connection with the major research project sanctioned by UGC.
- 2) To design a short term course of Biostatistics for students and staff of life sciences.
- 3) To organize study tours and industrial visits for students.
- 4) As a part of ISR, department is planning to prepare maps for PMPML bus time table.

Departmental Evaluation Report

1. Name of the Department: Zoology

2. Year of establishment: 1993

3. Names of programs offered:

Sr. no.	Level	Programmes offered
1.	UG	F.Y.B.Sc.
		S.Y.B.Sc.
		T.Y.B.Sc.
2.	PG	M.Sc. Part I
		M.Sc. Part II (Entomology)

4. Interdisciplinary programs and Departments involved:

- a) ANUBHUTI: All Science Departments
- b) Hands on training/workshop: All Science Departments
- c) DBT week: All Science Departments

5. Annual/semester/choice based credit system (program wise):

S.no	Level	Programme	Pattern of examination
1.	UG	F.Y.B.Sc.	Annual
		S.Y.B.Sc.	Semester (Two semesters)
		T.Y.B.Sc.	Semester (Two semesters)
2.	PG	M.Sc. Part I	Semester (Two semesters): Credit system
		M.Sc. Part II	Semester (Two semesters): Credit system

6. Participation of the Department in the courses offered by other Departments:

- a) Environment science lecture series.

7. Courses in collaboration with other universities, industries, foreign institutions etc:

Nil

8. Details of courses/programmes discontinued (if any) with reasons:

Nil

9. Number of teaching posts sanctioned, filled and actual:

Position	Sanctioned	Filled
Professor	-	-
Associate Professors	-	-
Asst. Professors	3	3
Others	6	6

10. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

S.No	Name	Qualification	Designation	Specialization	No. of year Experience
1	Dr.Sanjay S. Kharat	M.Sc., Ph.D., LLB, MBA	Principal	Animal Physiology	6
2	Dr.S.A.Inamdar	M.Sc. Ph.D.	Head	Entomology	3
3	Dr.R.V. Kshirsagar	M.Sc. Ph.D. B.Ed.	Associate professor	Entomology	6
4	Dr.Nayana Patil	M.Sc. Ph.D. Post-Doc.	Assistant professor	Zoology	NIL
5	Dr.Manojkumar Jadhav	M.Sc. Ph.D .	Assistant professor	Entomology	NIL
6	Mrs. Trupti Kale	M.sc. SET	Assistant professor	Zoology	NIL
7	Mr. Kishor Gound	M.Sc. SET, GATE	Assistant professor	Zoology	NIL
8	Dr. Priyanka Dutta Saha	M.Sc, Ph.D.	Assistant professor	Zoology	NIL
9	Mr. Hanuman Bhangare	M.Sc. NET JRF	Assistant professor	Zoology	NIL

11. List of senior Visiting Fellows, adjunct faculty, emeritus professors

S.No.	Name of the faculty	Nature of work	Details
1	Dr. Latey	Visiting faculty	SPPU, Pune
2	Dr. Arora	Visiting faculty	Wadia College Pune
3	Dr. Shah	Visiting faculty	Modern College, GK
4	Dr. Joshi	Visiting faculty	Modern College, GK
5	Dr. M. Paingankar	Guest Lecturer	SPPU, Pune
6	Dr. Sudha Ponnusamy	Guest Lecturer	IBB, SPPU, Pune
7	Dr. Sudhir Ujalamkar	Guest Lecturer	SPPU, Pune
8	Dr. D. G. Naik	Guest Lecturer	ARI, Pune
9	Dr. Baban Ingole	Guest Lecturer	NIO, Goa
10	Dr. Pandit Radhakrishnan	Guest Lecturer	SPPU, Pune
11	Dr. B B Nath	Guest Lecturer	SPPU, Pune
12	Dr. S. Basavarajappa	Guest Lecturer	University of Mysore, Karnataka
13	Dr. Vartak	Guest Lecturer	Pune
14	Dr. Girish Kadadevaru	Guest Lecturer	Karnataka University Dharwad
15	Dr. Satish Pandey	Guest Lecturer	Ela Foundation, Pune

12. Percentage of classes taken by temporary faculty–programme-wise information

S.No	Year	% of classes by temporary faculty		% of classes by Permanent faculty	
		UG	PG	UG	PG
1	2011-12	76.93	NA	23.07	NA
2	2012-13	76.93	NA	23.07	NA
3	2013-14	57.69	NA	42.3	NA
4	2014-15	62.71	75	37.28	25
5	2015-16	62.28	80	37.71	20

13. Programme-wise Student Teacher Ratio

S.No.	Course	Ratio
1	FYBSc	23:1
2	SYBSc	17:1
3	TYBSc	38:1
4	M.Sc	16:1

14. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sr.no.	Year	Number of non-teaching staff	
		Technical staff	Administrative staff
1	2011-12	2	2
2	2012-13	2	2
3	2013-14	2	2
4	2014-15	2	2
5	2015-16	3	2

15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

S.No	Name	Qualification
1	Dr. Sanjay S. Kharat	M.Sc., Ph.D., LLB, MBA
2	Dr. S.A. Inamdar	M.Sc. Ph.D.
3	Dr. R.V. Kshirsagar	M.Sc. Ph.D. B.Ed.
4	Dr. Nayana Patil	M.Sc. Ph.D. Post-Doc.
5	Dr. Manojkumar Jadhav	M.Sc. Ph.D.
6	Mrs. Trupti Kale	M.sc. SET
7	Mr. Kishor Gound	M.Sc. SET, GATE
8	Dr. Priyanka Dutta Saha	M.Sc, Ph.D.
9	Mr. Hanuman Bhangare	M.Sc. CSIR NET JRF

16. Number of faculty with ongoing projects from a) national b) international funding agencies and grants received.

Faculty	Title of Research Projects	Funding Agency	Amount Sanctioned (Rs)
Dr. Sanjay Kharat	Karyotype Analysis of some fresh water fishes of Mula and Mutha river Pune, Maharashtra.	BCUD	3,00,000/- Completed
Dr. Sanjay Kharat	Digestive and reproductive physiology of the lepidophagous fish, <i>Neotropius khavalchor</i> , Kulkarni.	UGC	4,40,000/- Ongoing
Dr. Shakera Inamda	Biosystematics studies on Braconoid parasitoid on lepidopteran larvae of some economically important crop pests from Pune.	UGC	2,80,000/- Ongoing
Dr. Ravindra Kshirsagar	Stem cell signaling in planaria, <i>Dugesia tigrina</i>	BCUD	3,00,000/-
Dr. Sanjay Kharat	Field guide of wild freshwater fishes of Western Ghats and Deccan area of Western Maharashtra	Maharashtra Forest Department	3,50,000/-
Dr. Sanjay Kharat	Habitat monitoring, diversity status and conservation strategies for bottom dwelling cyprinid fish, <i>Garra bicornuta</i> , Rao (1920) from Northern Western Ghats	MoEF, GOI	38,25,062/-
Dr. Shakera Inamdar	Comparative study of organic polyhouse farming and traditional farming	BCUD, SPPU	3,00,000/-
Dr. Ravindra Kshirsagar	Diversity of the planarian	UGC	5,00,000/-

17. Departmental projects funded by DST-FIST; UGC; DBT, ICSSR, etc.; total grants received. NIL

S.No	Funding Agency	Amount Sanctioned (Rs)
1	UGC	4,40,000/- Ongoing
2.	UGC	2,80,000/- Ongoing
3.	UGC	5,00,000/-
4.	DBT STAR	15,00,000/-
	TOTAL	27,20,000/-

18. Research center/facility recognized by the University:

Yes. Projects sanctioned by UGC and BCUD (SPPU, Pune) are under way.

1. Publications:

Number of papers published in peer reviewed journals (national / international)					
Papers/Book	2011-12	2012-13	2013-14	2014-15	2015-16
Paper	01	04	06	0	09
Chapters in Books	-	-	01	01	01
Edited Books	-	-	03	02	00
Books with ISBN with details of publishers	-	-	03	02	01
Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)					EBSCO – 02 Scopus - 02
Citation Index – range / average					12
SNIP					NIL
SJR					0.53
Impact Factor – range / average					1.28
h-index					2

19. Areas of consultancy and income generated:

Stem cells and Agricultural Entomology.

Areas of consultancy	Income generated
Fish Taxonomy	3,50,000
Agricultural Entomology	Informal

20. Faculty as member in National committees/International committees/Editorial Boards:

Dr. Sanjay S. Kharat	Association of Zoologist
Dr. Shakera A. Inamdar	Association of Zoologist, Association of Entomologist
Dr. Ravindra V. Kshirsagar	Bionano Frontier

21. Student projects:-**1. Percent of students who have done in-house projects including inter-Departmental/programs**

Category	2011-12	2012-13	2013-14	2014-15	2015-16
In-house projects	-	4.28 %	13%	36.58 %	48.65%

Percentage of students placed for project in organization outside the institute i.e. Research lab/industry/other agency:

4.76% of M.Sc. students

2. Awards /recognitions received by Faculty and students

- Best Principal Award
- NSS- State level Best Programme Coordinator
- Jewel of Asia award
- Dr. Kothari Fellowship
- Innovative teaching methods

Students:

Year	Award
2011-12	1) Best NSS volunteer, Modern College, Ganeshkhind, Pune -16 2) Best NSS volunteer, University of Pune, Ganeshkhind, Pune - 07
2012-13	1 st prize - Model making at ZOO FEST, N. Wadia College, Pune 2 nd prize - Model making at ZOO FEST, N. Wadia College, Pune 1st prize - Poster Presentation at ZOO FEST, N. Wadia College, Pune
2013-14	University level Avishkar 2013 Research competition Best project prize in Anubhuti: 2014 1 st prize in entrepreneur skill- VIVIDHA 2014
2014-15	Best poster award 2nd award in poster presentation College level Anubhuti 2nd award in poster presentation state level conference 1st award in poster presentation Departmental level conference 1st rank in S.Y.B.Sc. 2nd rank in S.Y.B.Sc. 3rd rank in S.Y.B.Sc. 1st rank in the college 2nd rank in the college 3rd rank in the college Attended workshop on NET – SET Workshop on Stem cells in regenerative medicine Award for commercial drama
2015-16	2nd award in poster presentation in National level conference

22. List of eminent academicians and scientist/visitors to the department:

S.No	Name of the faculty	Details
1	Dr. Latey	SPPU, Pune
2	Dr. Arora	Wadia College Pune
3	Dr. Shah	Modern College, GK
4	Dr. Joshi	Modern College, GK
5	Dr. M. Paingankar	SPPU, Pune
6	Dr. Sudha Ponnusamy	IBB, SPPU, Pune
7	Dr. Sudhir Ujalamkar	SPPU, Pune

8	Dr. D. G. Naik	ARI, Pune
9	Dr. Baban Ingole	NIO, Goa
10	Dr. Pandit Radhakrishanan	SPPU, Pune
11	Dr. B B Nath	SPPU, Pune
12	Dr. S. Basavarajappa	University of Mysore, Karnataka
13	Dr. Vartak	Pune
14	Dr. Girish Kadadevaru	Karnataka University Dharwad
15	Dr. Satish Pandey	Ela Foundation, Pune

25. Seminars/Conferences/Workshops organized and funding (national/international):

- Seminars: 7
- Conference: 1
- Workshops: 8

Funding received from BCUD-SPPU and DBT STAR College Scheme.

26. Student profile program/course-wise:

	F.Y.B.Sc	S.Y.B.Sc	T.Y.B.Sc	M.Sc
Applications received	137	84	23	85
Selected Male	65	32	11	8
Selected Female	69	52	12	16
Pass percentage Male	36	54	68	88
Pass percentage Female	54	69	74	93

27. Diversity of students

Category	B.Sc	M.Sc
Students from same University	98.05	95.57
Students from other Universities within the State	1.41	1
Students from Universities outside the State	2.88	16

28. How many students have cleared national or state competitive examinations such as NET, SET, GATE, Civil Services and Defense Services?

- Civil Services: 1 [Arvind Kumare: PSI selection 2013]
- Saurabh Kamalkar: SET (2014)

29. Student progression (Percentage against enrolled)

Student progression	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG	40	82.3	71.4	100	28.8

30. Details of Infrastructural facilities:

- Library: 950 Books worth Rs. 4, 42,958 in central library
6 International and National scientific Journals
- Internet facility for Staff and students: 3 computers with internet connection and four terminals
- Class with ICT facility: Four class room and research lab
- Laboratories: Three laboratories and one research laboratories

31. Number of student receiving financial assistant from college or university or government or other agencies:

S.No	CATEGORY	Years				
		2011	2012	2013	2014	2015
1	OBC	28	23	29	40	41
2	SC	49	33	28	53	48
3	ST	06	05	08	13	17
4	NT	12	11	18	21	33
5	SBC	03	02	01	02	01
6	VJ-NT	05	02	05	-	-
Total no. of students		103	76	89	129	140

32. Details of student enrichment programs (special lectures / workshops / seminar) with external experts.

Sr. No	Program
1	Journey towards low carbon campus
2	Small scale industries for agro-rural development
3	Zoocites – A zoological fair in Modern College, Ganeshkhind, Pune-16
4	Hand-on training for recent techniques in Zoology
5	One day workshop on Basic techniques in life Science
6	Hand-on training for recent technics in Zoology
7	Hands on training program for B.Sc. Students-DBT Star College scheme
8	Study Tour- Visited to Shrivardhan and Murud Janjira
9	Study Tour-Bondla sanctuary, NIO, Goa on 16th to 18th January 2014.
10	Biodiversity Study tour At Katraj (Environment Course) 14 Jan. 2014
11	Guest lecture series
12	Summary training on Diversity and taxonomy in entomology and ichthyology under DBT Star College scheme
13	Hands on training programme on Biological techniques under DBT Star College scheme
14	Study Tour- Visited to baramati, Jambe, Maloli
15	Guest lecture series

33. Teaching methods adopted to improve student learning

- Power Point Presentation, Seminars, workshops, projects, industrial visits, sharing of resources, Video clips and animations on concerned subjects, Field surveys, Museum visits.
- Remedial teaching
- Group discussions among the students
- Assignments and class tests to judge their level of understanding
- Documentaries of eminent scientists on their area of specialization
- Making project reports on study tour and visits
- Field visits

34. Participation in institutional social responsibility and extension activities.

S.No	Activity
1	Journey towards low carbon campus” one day university level workshop organised by NSS, University of Pune and PCRA
2	NSS Anti malarial camp
3	NSS student welfare program
4	Biodiversity Study tour At Rajiv Gandhi National Park Katraj(Enviroment Course)
5	Visit to Agro-ecosystem at Jambhe Village to study animal diversity in agricultural field
6	Study tour to Baramati at Dairy farm, Poultry farm and Goat Farm
7	NSS agriculture small scale bio business workshop
8	Vermi composting training for self help group and students
9	Disaster management program
10	Poly house, organic farming and gir cow nurturing training workshop in collaboration of Abhinav Farmers club at post Man.

35. SWOC analysis of the department and future plans:**Strengths: -**

- Highly qualified and dedicated teachers.
- Willingness of staff to extend any form of support to the students whenever required.
- Research publications by students

Weaknesses: -

- Lack of spacious research laboratory
- Active Placement cell

Opportunities: -

- To start research center
- Taking up research projects.
- Initiating bridge courses and interdisciplinary courses at F.Y.B.Sc. level.
- Scope for introducing various skilled based program

Challenges: -

- Catering the students in limited infrastructure

Future Plan: -

- Zoology research center
- Animal tissue culture laboratory
- National/international conference
- Summer school training program
- Formal consultancy
- Formal/Informal consultancy

Evaluative Report of Faculty of Commerce

1. **Name of the Department / Faculty :** Commerce
2. **Year of Establishment:** 1992
3. **Name of Programs/ Courses offered**
 UG -
 - B.Com.
 - B.B.A (Computer Application)
 PG -
 - M.Com
4. **Name of Interdisciplinary Courses and the Departments/ Units involved**
 - B.B.A (Computer Application) – Computer Science
5. **Annual/ Semester/ Choice based credit System(program wise)**
 - B.Com. : Annual
 - M.Com. : Semester including credit system
 - B.B.A (Computer Application) : Semester

6. **Participation of the department in the courses offered by other departments.**

Name	Details	Department
Parag Shah	Visiting faculty for Functional Hindi (Vocational) at Abasaheb Garware College, Pune	Hindi
Mrs. Aditi Pimple	Cyber Security	M.A

7. **Courses in Collaboration with other Universities, Industries, Foreign Institutions etc.**

Name of the Institution	Activity
Lee's Beauty Center	Health and personality grooming
Maharashtra centre for entrepreneurship development	Entrepreneurship Development Programme
MITCON	Entrepreneurship Development Programme

8. **Details of Courses/ Programmes discontinued (if any) with reasons.**

- **B.B.A :Reason:** Overall demand of the course has fallen at the university level and therefore, decision was taken by management to conduct the course only at one institution run by the same management. Therefore the course has been shifted to Modern College, Shivajinagar, Pune.

9. **Number of teaching posts:**

Category	Sanctioned	Filled
Professors	-	-
Assistant Professors	20	20
Temporary	2	2

10. Faculty profile with name, qualification, designation, specialization :

Name	Qualification	Designation	Specialisation	Experience (years)
Mrs.Shubhangi Joshi	M.Com	Assistant Professor	Cost & Work A/c, Adv. Accounts.	23
Ms. Vijayalaxmi Kulkarni	M.Com, M.A.(Eco), SET	Assistant Professor	Personnel Management & Industrial Relationship, Economics	23
Mrs. Manisha Bele	M.Com, SET	Assistant Professor	Cost & Work A/c, Adv. A/c	13
Parag Shah	M.Com,DC M, SET	Assistant Professor	Adv. Accounting and Costing	16
Moreshwar Meeshi	M.com, M.A (Eco), SET	Assistant Professor	Cost & works A/c, Adv. Accounting & Taxation	5
NamdeoDoke	M.A,SET	Assistant Professor	Economics	7
Mrs PreranaSuru	M. Com, DMM, NET	Assistant Professor	Cost & Work A/c, Auditing, Accounting	20
Dr.MamataShende	M.Com. NET, SET, Ph.D.	Assistant Professor	Banking & Finance.	7
Mrs Shraddha Rahane	M.Com, DTL NET	Assistant Professor	IOAD, Adv. A/c, Taxation	6
Mrs.Manjusha Kulkarni	M.Com, M.Phil, SET	Assistant Professor	Banking & Finance, Adv. Accounting & Taxation.	11
Mrs Sujata Deshmukh	M.Com, GDCA, DTL NET	Assistant Professor	Financial Management	6
Mrs SujataDahiwal	M.Com,M.Phil.	Assistant Professor	Marketing, Advance Accounting &Taxation.	5
Ms. MadhuraKirane	M.Com, M.A, MBA	Assistant Professor	Cost & Works A/c, Adv. Accounting & Taxation	7
Nitesh Gujarati	M.A (Eco), NET	Assistant Professor	Economics	6
Mrs Aditi Pimple	M.Com, LL.M	Assistant Professor	Cost & Work A/c, Administration,Criminology	7
AvinashKharat	B .Tech, MBA.	Assistant Professor		5
Ms.Suvarna Mhasekar	MCA	Assistant Professor	----	7
Mrs PreetiDeshmukh	MCA, NET	Assistant Professor	----	7
ShaileshChoudhari	MCA	Assistant Professor	----	3
Ms. Poonam Lohangade	MCA, PGDBM	Assistant Professor	----	2

Ms. Swati Samgeer	MCA	Assistant Professor	----	1
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11. List of senior visiting faculty.

Name	Details
Mr. Rahul Pore	Chartered Accountant
Mr. Jagadish Ranade	Chartered Accountant
Mrs. Rasika Date	Chartered Accountant
Mrs. Geeta Brahme	C.M.A.
Mr. Vaibhav Deshpande	MBA
Mr. Rajendra Dangi	Chartered Accountant
Mr. Dattatraya Mule	Chartered Accountant
Mr. Sunil Shah	Chartered Accountant
Mr. Amit Apte	C.M.A.
Dr. Virendra Tatke	Financial Analyst
Mr. Subodh Dandavate	MBA

12. Percentage of lectures delivered and practical classes handled by temporary faculties.

- B.Com : 6%
- M.Com: Nil
- BBA(Computer Application): 24%

13. Student –Teacher Ratio.

- B.Com. 110 :1
- M.Com. 26 :1
- BBA (Computer Application) 38 :1

14. Number of academic support staff(technical) and administrative staff, sanctioned and filled.

- Administrative staff 7
- Technical staff 1

15. Qualifications of teaching faculties with

- Ph.D. 1
- M.Phil. 2
- Registered for Ph.D. 10
- Registered for M.Phil. 1

16. Number of faculty with ongoing projects from funding agencies and grants received.

Name of the faculty	Project	Funding Agency	Grants Received (Rs.)
Shubhangi Joshi	Minor Research Project : A study of first generation women entrepreneurs in Pune City.	BCUD	50,000
Manisha Bele	Minor Research Project : Human Resource Audit	BCUD	50,000
Amol Desai	The Four P's In marketing	UGC	75,000
NamdevDoke	Minor Research Project : An Analysis of Agricultural Development of a Maharashtra after 1991	BCUD	60,000
PreranaSuru	Minor Research Project : Human Resource Development	BCUD	50,000
		Total	2,85,000

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc. and total grants received.

- **Colaborative Research** : Dr. Mamta Shende, Co-director of Major Research Project: Study of Competition, Co-operation & Conflict between India And China (with special reference to trade and Commerce) Funding Agency – ICSSR Grant Sanctioned Rs. 8,00,000.

18. Research center/facility recognized by the university. Nil**19. Publications**

- Number of papers published in peer reviewed journals(national/International) by faculty and students.
- **International: 21**
- **National: 16**
- **Article: 12**

S.No.	Name of the Faculty	International	National	Articles
1	Mrs.Shubhangi Joshi	4	2	1
2	Ms.Vijayalaxmi Kulkarni	-	3	-
3	Mrs.ManishaBele	1	1	-
4	Dr.SharyuBhakre	2	1	-
5	Mrs. PreranaSuru	1	1	1
6	Dr.MamataShende	4	3	8
7	NamdevDoke	-	2	-
8	Parag Shah	1	-	-
9	Mrs. GeetaBrahme	1	-	-
10	Mrs.Manjusha Kulkarni	7	3	2
Total		21	16	12

➤ **Chapter in Books:**

Parag Shah : Three Chapters in Book
 Book Title : Financial Accounting (ISBN- 978-81-923875-8-1)

➤ **Books Edited :** Parag Shah, Member Editorial Committee of
 ‘Shabdagandha’ (Collection of Poems by Students)➤ **Books with ISBN/ISSN numbers with details of publishers**

Parag Shah
 Book Title : Business Mathematics & Statistics
 (ISBN- 978-81-923875-7-4) AtharvaPrakashan, Pune

➤ **In-house Publication:**

1. Commerce Horizon	Research Magazine published for students
2. Web Directory	Directory of Websites
3. Management Express	Research and Innovation in Management
4. Brand Market	Publication on famous National and International Brands

20. Areas of consultancy and income generated.

- Computerized Accounting
- Tax Consultancy
- Desktop Publishing
- Soft skills
- Agro Marketing
- E-Documentation
- Financial Literacy
- Translation

IncomeGenerated :Rs. 26,000.

21. Faculty as members in (a) National Committees (b) International committees (c) Editorial Boards.

1. Mrs. Shubhangi Joshi	Member of Indian Commerce Association	Indian Commerce Association
2. Parag Shah	Member Board of Study in Hindi	St. Mira College for Girls (Autonomous), Pune.
3. Parag Shah	Member of Indian Accounting Association	Indian Accounting Association
4. PreranaSuru.	Management Council Member	ChaitanyaMahavidyalaya, NeeraNarsinhapur, Pune

22. Students projects:

(a) Percentage of students who have done in-house projects including interdepartmental/ programme:

- B.Com. 30%
- M.Com. 50%
- BBA (Computer Application) 19%

(b) Percentage of students placed for projects in organization outside the institution i.e. in research laboratories/industry/other agencies.

- B.Com – 3%
- M.Com – 100%

23. Awards/ recognition received by faculties and students.

Faculty :Mr. Parag Shah

- Nominated as Member Local Management Committee of the College.
- Member Board of Studies in Hindi, St. Mira's College for Girls (Autonomous), Pune.

Students:

Sr.No.	Achievements	Total Students
1	Passed CA-IPCC	4
2	Passed CA-CPT	6
3	Passed CS-Executive	1
4	Passed CS- Foundation	1
5	Winner of Shiv Chattrapati Award (Highest Award to sports person given by state government)	3
6	Paper Presentation at National Conference	3
7	Winner of Debate Competition, General Knowledge competition and others	4
8	Participated in Avishakar Research Competition	4
9	Winners at extra and Co-Curricular activities (dance, Mimicry, Singing)	3

- **Four students from BBA (CA)** have developed a software for **Examination Duty Allotment and Bill Generation** which is used in the college for theory examinations.
- **Final year BBA (CA)** students have developed a software titled **Practical Bill Generation System**.
- **A final year BBA (CA)** student **Amit Raut** was a part of the team which won Gold Medal at Air Rifle Shooting held at Netherland. The team comprised of AbhinavBindra, Amit Raut and Rakesh Manpat.

24. List of Eminent academicians and Scientist/ Visitors to the department.

S.No.	Name of Guest	Details
1	Dr.AnantSardesai	Chairman, MCCIA
2	Mr. AbhijitGholap	CEO, Optra Systems Pvt. Ltd.
3	Mr. PandurangTawre	Founder, Baramati Agro Tourism
5	Mr. Pradeep Bhargav	Former Chairman, CUMMINS India Ltd and CII
6	Mr. Vikrant Ponkshe	CEO, Cosmos Co-op Bank Ltd.
7	Dr.Vechalekar	Cost and Management Accountant, Associate Dean Indsearch, Pune
8	Mr.Kiran Desai, Chairman, Modernites.	Successful Entrepreneurs
9	Mr.KiranMukadam,	Company Secretary.
10	Mr.VaibhavNagarkar,	Cost and Management Accountant
11	Mr.SubhodKarkare, National School of Banking	Banking Expert
13	Mr.Nikhalaje, Client Servicing Manager.	Advertisement Expert
14	Mr.AmeyNisal	Corporate Consultant &Alumni.
15	Mr. VikramKhanolkar	CEO, Green Field Services Pvt. Ltd.
16	Prof.Jasmina Kumar	Faculty at Symbiosis College, Pune
17	Dr.ShirishLimaye	Faculty at Symbiosis College, Pune
19	Mr.ArvindTodkar	Marketing Expert.
20	Mr.DilipPote	Expert Working of Self-help groups.
22	Mr. Rahul Pore,	Chartered Accountant
23	Mr.AmitShahane	Cost and Management Accountant
24	MrNilay Mehta	Chartered Accountant
25	Dr. Bharat Karad	Chartered Accountant
26	Mr.PradeepLokhande	Rural Entrepreneur
29	Mr.Karmarkar	Renowned Photographer
30	Mr.PankajMandhane	Chartered Accountant
31	Prof.GauriKopardekar	Faculty at Modern College, Ganeshkhing
32	Mr.PraksahBhosale	Insurance Expert
33	Mr.BipinDeokar	Dy. Director, EPW, Mumbai
34	Mr. S. K. Mehta, CA	Chartered Accountant
35	Mr. D P Mule, CA	Chartered Accountant
38	Mr.AvdhootKshirasager	Chartered Accountant
39	Mr.KedarKadam, Alumni	Working of Self Help Group Expert
43	Dr.VirendraTatke	Banking Expert
44	Dr.PuranikAshish	Financial Consultant
45	Mr. S. V. Shinde	Director(District Industries Centre)

46	Mr.SudhanvaKopardekar,	Director of MCCII & A, Pune
47	Mr.SuryakantKulkarni	Consumer Court
48	Mr.Ram Kota	Career Guidance Expert
49	Mr.PravinShinde	I.T Professional
52	Mr.BhushanNeve	Forensic Accounting Expert
53	Adv. VaishaliBhagwat	Cyber security Expert
54	Mr.Dharmesh Mishra	Corporate Trainer
55	Mr.Shashank Joshi	I.T Professional
56	Mrs. Yogini Joshi	Management Trainer
57	Mr.RamendraBeohar	Yoga- Stress Management
58	Ms.AlpanaAkolkar	Corporate Trainer
59	Mr.MukeshChauhan	I.T Professional
60	Mr. Sunil Tak	I.T Professional

25. Seminars/ Conferences/ Workshops organized and the source of funding.

A. National Conference :

UGC sponsored National Conference on “Emerging Trends inEntrepreneurship: A Global Perspective” (2012-13)

B. Workshop/Training Programmes for Students

1. Stock Market Training Programme for B.Com students.
2. Training Programme on “Next Generation Banking” for B.Com students.
3. Preparation of NET/SET Examination for M.Com students.
4. Seminar on Research Methodology organized for M.Com students.
5. Workshop on Investment Awareness Organized in association with Center for Corporate Governance, Research & Training (CCGRT) – Washi, Mumbai.
6. Workshop on Companies Act, 2013
7. Skill Development Program organized for M.Com students.
8. Workshop on Stress Management for B.Com and M.Com students

26. Student profile Programme/ course wise

Name of the Course	Year	Applications received	Selected	*M	*F	Pass percentage
B.Com	2011-12	1905	1461	771	690	70%
	2012-13	1935	1484	691	793	61.86
	2013-14	2078	1454	796	658	61.51
	2014-15	2335	1537	761	776	52.55
M.Com	2011-12	135	117	65	52	61.78
	2012-13	138	94	48	46	60.03
	2013-14	160	116	61	55	67.27
	2014-15	157	116	51	65	83.02

BBA (CA)	2011-12	324	201	113	88	
	2012-13	345	168	95	73	
	2013-14	367	239	136	103	
	2014-15	352	228	129	99	70.76

27. Diversity of students.

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Com(2011-12)	95.00	5.00	NIL
B.Com (2012-13)	94.7	5.93	NIL
B.Com (2013-14)	96.01	3.92	0.07
B.Com (2014-15)	94.72	5.21	0.07
M.Com (2011-12)	93.82	6.18	NIL
M.Com (2012-13)	91.49	8.51	NIL
M.Com (2013-14)	91.89	7.24	0.87
M.Com (2014-15)	94.42	5.58	NIL
BBA (CA) (2011-12)	96.88	3.12	NIL
BBA (CA) (2012-13)	98.00	2.00	NIL
BBA (CA) (2013-14)	97.33	2.67	NIL
BBA (CA) (2014-15)	96.52	3.48	NIL

28. How many students have cleared national and competitive examinations

- SET - 02
- MPSC- 01

29. Student progression.

Student Progression	Against % Enrolled
U.GtoP.G	42%
P.GtoM.Phil.	1%
P.GtoPh.D.	1%
Ph.D.toPost-Doctoral	Nil
Employed	
•Campusselection	1%
•Other than campus recruitment	62%
Entrepreneurship/Self-employment	4%

30. Details of infrastructural facilities

- (a) Library:
- No of Books :- 5536 (Amount in Rs. 7,27,337.85)
 - No. of Journals:- 24
- (b) Internet facilities for staff and students: Yes.
- (c) Class rooms with ICT facility: 13
- (d) Laboratories: 01 (with 50 Computers)
- (e) Number of Computers: 66, Printers 10, Scanners 2

31. Number of students receiving financial assistance from college, university, government or other agencies.

Students receive following scholarships:

- Government scholarships for SC, ST and OBC students
- Savtribai Phule scholarship of SPPU
- RajashreeShahu scholarship of SPPU
- Primary Teachers scholarship
- Scholarships given by LIC
- Scholarship given by college for sports achievement.
(Nearly 40% students avail the benefit of above scholarships)

- Three students were given financial assistance by faculty members personally to the tune of Rs. 10,915.
- Our Alumni Mr. Sandeep Gollapadi has initiated endowment scholarship. Two needy and deserving students get financial assistance every year.

32. Details on student enrichments programmes(special lectures/workshops/seminar) with external experts.

	Activities	Details
1	Hands on Training:	Every year T.Y.B.com students of Banking and Finance get opportunity of hands on training in VidyaSahakari Bank Ltd.
2	Bank Connect.	Commerce faculty has organised a programme to support PRADHAN MANTRI JAN DHAN YOJANA in which students guided the villagers in nearby areas to open bank accounts in nationalised Bank. One hundred and seventy bank accounts were opened under this initiative.
3	Cost Fest: Funded by Board of Student's Welfare S.P Pune University (2015-16)	It is conducted for costing students to make them aware about practical application of the subject.
4	MAGNIT	An event organised byBBA(CA) department which is combination of Information & Technology and Management.The aim is to enhance employability skills of students.
5	Beyond Borders	A programme organised to exhibit diverse culture of various states in India.

6	Bank Mitra: A Financial Inclusion Campaign.	In association with college of Agricultural Banking, RBI, Pune, Commerce Faculty has conducted financial inclusion campaign in village Jambhe during NSS Camp.
7	Banking Literacy Mission	A drive was organised for first year students to open a bank account and obtain pan card in association with Cosmos Co-op. Bank Pune.
8	KisanPalakManch	Commerce faculty and Sociology Department have jointly organised a programme for parents whose occupation is farming. Students were motivated to take farming as career.
9	Mock Banking:	In Collaboration with Cosmos Co-operative Bank Pune, mock banking was organised to make students familiar with bank operations.
10	Career guidance Programme	It was organised to make students aware about different career opportunities.
11	Derivative Training and Venture Capital Funding	To make student aware about stock market trading operations.
12	Entrepreneurship Development Programme	Organised in association with MITCON and MCED to develop entrepreneurial competencies among students

33. Teaching methods adopted to improve student learning.

- Presentations – Group & Individuals
- Group discussions on current topics & issues related to the curriculum.
- Role plays
- Brain storming sessions.
- Creativity exercises
- Case study – framing and solving
- Surveys & quiz on the topics taught
- Practical based on field study
- Communication and management games
- Mock interviews / mock banking
- LCD projector for lecturers and power point presentations by students
- Educational film shows
- Use of internet and web resources by teachers and students
- Educational Visits

34. Participation in institutional social responsibility (ISR) and extension activities.

S. No	Activities	Details
1	Agro to Campus	Sell of organic farm products directly from farms.
2	College Social Responsibility Club	Students visit old age mansions and orphanages regularly to help them. Activities are arranged for elders and at the orphanages

3	KisanPalakManch	Commerce faculty and Sociology Department have jointly created a platform for the parents whose occupation is farming. This platform provides guidance on various issues related to agriculture.
4	BankMitra: A Financial Inclusion Campaign.	In association with college of Agricultural Banking, RBI, Pune, Commerce Faculty has conducted financial inclusion campaign in village Jambhe during NSS Camp.
5	Banking Literacy Mission.	A drive was organised to open bank account for first year students in association with Cosmos Co-op. Bank.Pune.
6	Bank Connect.	Commerce faculty has organised a programme to support PRADHAN MANTRI JAN DHAN YOJANA in which students guided the villagers in nearby areas to open bank accounts in nationalised Bank. Hundred bank accounts were opened under this initiative
7	Donations to Anath Ashram	Distribution of clothes, books, toys, food grains, sweets and daily useful consumables like t-shirts, soap, toothpaste to the following organisations. <ol style="list-style-type: none"> 1. GurukulAnath Ashram Pune. 2. SanmatiBalNiketanSanstha, Pune. 3. Annapurna Anath Ashram, Pune. 4. Dream Land Ashram, Pune. 5. SangaviAnath Ashram, Pune.
8	Other Activities	<ol style="list-style-type: none"> 1. Tree Plantation 2. SwachhataAbhiyan (Cleaning of Campus) 3. Assistance to traffic police 4. Cleaning at Chaturshruni Temple. 5. Display of posters related with environmental issues 6. Election Duty for teachers.

35. SWOC Analysis of the department and future plans.

Strengths:

- Student centric innovative activities.
- Team Spirit.
- Student's participation is in all activities of college.
- Extension activities (ISR)
- Remedial Coaching for academically weak students.
- Alumni involvement in faculty activities
- Percentage of girl students is remarkable.

Weaknesses:

- Formal consultancy.
- Campus Placement.
- Results of few classes are below expectations.

Opportunities:

- To prepare students for changing environment in current business scenario.
- To approach various funding agencies for research.
- To improve Industry connections.

Challenges:

- Skill development of students for increasing employability
- Catering the needs of diverse student groups.
- As the percentage of girls student is high, empowering them to face the challenges in future.

Future Plans:

- To bridge the gap between industry and academia by initiating collaborative activities.
- To organize faculty development programmes.
- To arrange skill development programmes for students to enhance their employability.

Evaluative Report of the Library

The Central Library of our college has established in the year 1992. Since then library has made consistent progress in terms of collection of books and services provided. Library is well equipped with growing number of books, journals, magazines along with Electronic resources like e-books, e-Journals, Databases, CDs, DVDs, Audio books, Library website, Interactive blog, Institutional Repository, etc. Library provides Open Access to all the students. Library is user-friendly and techno-driven and automated with bar code technology and uses Open Source softwares. It offers various services along with some innovative practices which were largely appreciated by previous NAAC Peer team members.

Main Purpose of library is

- To freely disseminate knowledge and support teaching, research and other academic activities of the college
- Library operates on need based approach rather than the usual rules-based treatment.

Objectives are to

1. Enrich collection
2. Adding to readership number every year
3. Optimum utilization of existing resources
4. Enhancing reading habit in students and staff
5. Promote library as a vibrant e-learning unit
6. Spread awareness of e-resources amongst the readers
7. Promote use of Open source softwares and tools, ICT and web technologies.

Motto

**“To give maximum Information
for
maximum number of times
by
maximum number of ways
in
minimum time”**

Infrastructure:

Total Area of Central Library is 3100sq.ft. College has Separate Departmental Libraries too.

- Reading hall of capacity 120 students
- Separate reference section
- Separate Text book section-Window counter
- Separate Periodical section

- Digital Information centre
- Reprographic section
- Processing section and Dead Stock Section
- Separate Reading area for Teachers

Library Staff:

Sr. No	Name	Qualification	Designation	No. of Years of Experience
1	Ms. Sangeeta Namdev Dhamdhere	B.Sc., M. Lib. I. Sc., NET, SET, ADCSSAA, VLIR Fellow, Belgium, PhD(Hon)	Librarian	15 Year
2	Ms. Shital Chandrakant Shetty	M.Com, M. Lib. I. Sc., LTC, DIT, MSCIT.	Library Clerk	5.5 Years
3	Mrs. Vidya Sundar	B.Sc., M. Lib. I. Sc.	Library Clerk	7 Years
4	Mr.Santosh Mohol	S.Y.B.A., MSCIT, B. Lib. I. Sc	Library Attendant	16 Years
5	Mr. Makarand Shendkar	B.A., B. Lib. I. Sc.	Library Attendant	20 Years
6	Mr. Mahesh Darekar	B.Com., B. Lib. I. Sc	Library Attendant	2.5 Years
7	Mr. Prakash Joshi	8 th Pass	Library Peon	22 Years
8	Mr. Govind Sanas	7 th Pass	Library Peon	21 Year
9	Mrs. Swati Sandeep Shibe	8th Pass	Library Peon	5 .5 Years

Library Advisory Committee:

Central Library has an active advisory committee which helps in designing policies, rules and guides in major activities and services offered by the library. Library committee has following positions

- Chairman : Principal
- In charge : One senior staff member
- Members : 3 Vice Principals
- Secretary : Librarian
- Members : 4 Senior Faculty from each branch
- Members : 2 Students Representatives

Library Collection:

Books: Central Library has sufficient number books on various subjects including competitive exam, stories, biography, self help, personality development, etc.

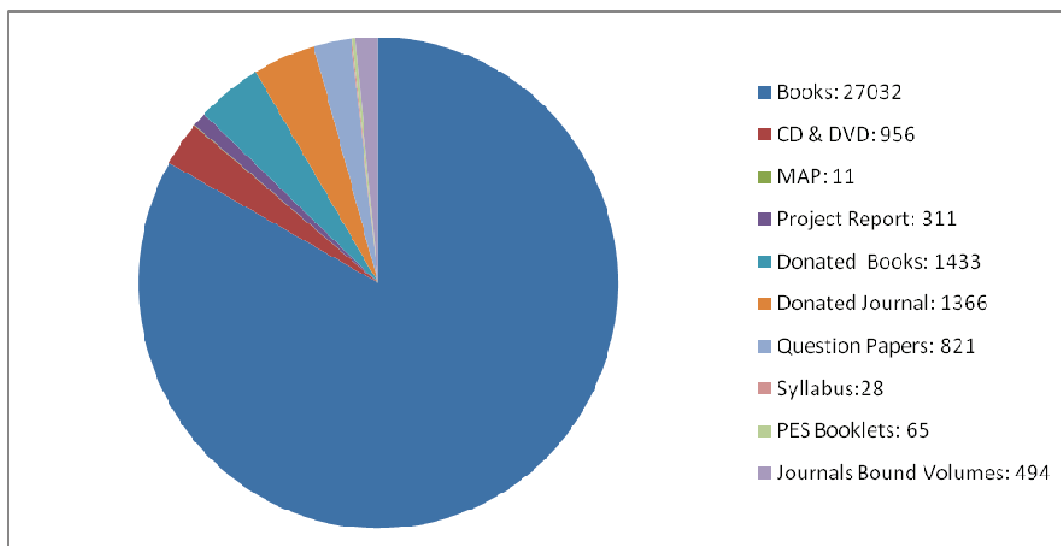
Periodicals: Library subscribes print as well as online journals, periodicals and daily newspapers.

EResources: Library has huge collection of electronics resources like E_Books, E-Journals, and Other Scholarly databases. Library has taken member ship DELNET and UGC NLIST Consortia and also created Gateway to E-Resources Portal for other free databases and reading material. Library also has CDs and DVDs and Audio Books collection. To fulfill increase need of researcher's library has taken membership of few reputed libraries in the City.

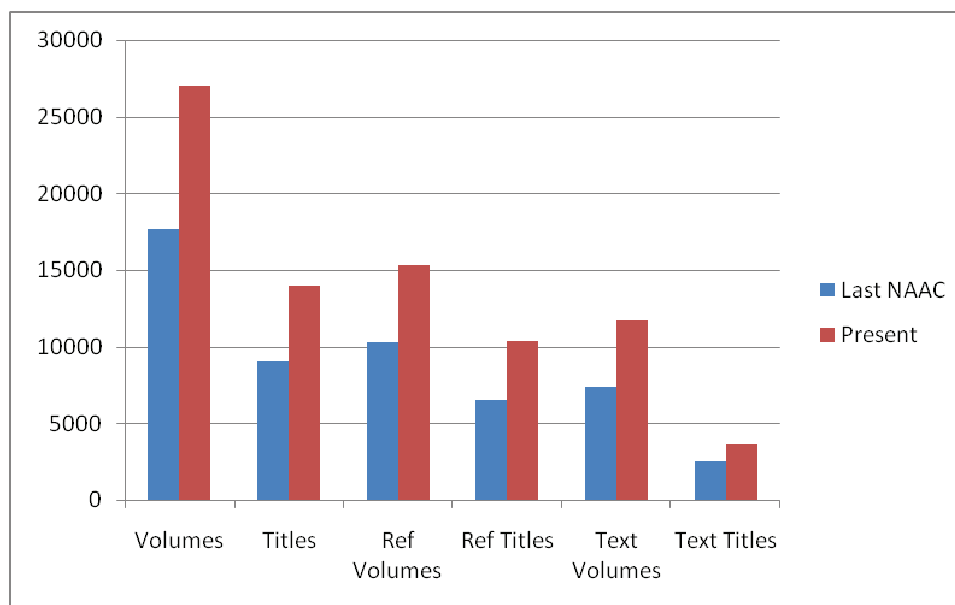
Below table gives details of newly added collection in the library in last five years.

Library holdings	Year -1 (10-11)		Year – 2 (11-12)		Year – 3 (12-13)		Year – 4 (13-14)		Year-5 (14-15)	
	No	Total Cost	No	Total Cost	No	Total Cost	No	Total Cost	No	Total Cost
Text books	783	1,19,160.39	635	1,00,332.00	340	49,752.00	1012	1,60,611.00	838	135079.00
Reference Books	1231	7,22,599.39	1342	10,36,111.98	1050	7,24,093.53	548	2,14,892.86	556	388158.00
Periodicals	85	1,46,451	70	1,24,430.00	92	1,19,122.00	90	106,032.00	90	111537.00
e-resources (Databases and Consortia)	NList- Infonet Consortia Member Delnet- Consortia Member Other Online Free databases portal made available on the Library website and blog									
Any other (CDs)	319	1197.96	86	6670.00	22	1120.00	52	0.00	34	0.00
Memberships	06	27,464.00	06	27,464.00	08	37,309	04	22,309.00	4	29309.00
Newspaper	18	14,956.50	16	13,179.00	11	12,540.50	11	12,540.50	13	18576.00
Total Amount spend on increasing library holdings in last five years in Rs.									44,82,363	

At present Total collection in the library is



Books at the time of last NAAC Visit	Present Status
<input type="checkbox"/> Volumes : 17,674 <input type="checkbox"/> Titles : 09,058 <input type="checkbox"/> Ref Vols : 10,275 <input type="checkbox"/> Ref Titles : 06,557 <input type="checkbox"/> Text Vols : 07,399 <input type="checkbox"/> Text Titles : 02,501 <input type="checkbox"/> Amount (Rs.) : 48,52,880	<input type="checkbox"/> Volumes : 27,032 <input type="checkbox"/> Titles : 14,005 <input type="checkbox"/> Ref Vols : 15,318 <input type="checkbox"/> Ref Titles : 10,387 <input type="checkbox"/> Text Vols : 11,714 <input type="checkbox"/> Text Titles : 03,618 <input type="checkbox"/> Amount (Rs.) : 89,33,518



Departmental libraries

1. Total Departmental libraries = 15
2. Average carpet area for departmental library = 200 sq.ft.
3. Total no. of books in the departmental libraries = 2115

Furniture and Equipments: Library is well equipped with latest furniture and equipments like Computers, Stacks, Photocopying machine, Scanners, Printers, Book supporters, Head phones, LCD projector with screen, tables, chairs, Display boards, etc.

Grants Received from various funding agencies for purchase of books and Journals in last five years:

Sr. No	Purchase Books & Journal Under	Total Books/Journals	Amount
1	DBT STAR	102	50,118.00
2	DST-FIST	34	1,36,751.00
3	UGC	2012	10,81,160.62
4	BCUD		
5	Books Received As Donation	984	2,03,679.92
	Total Books	3132	14,71,709.54
5	DBT STAR <ol style="list-style-type: none"> 1. Indian Journal f Biochemistry & Biophysics 2. Indian Journal of Biotechnology 3. Indian Journal of Experimental Biology 4. Indian Journal of Traditional Knowledge 5. Indian Science Abstracts 	5	14, 200.00
	Total Journal Subscribed	5	14, 200.00
	Total Amount Received	3137	14,85,909.54

Prestigious Donors list:

- Banzouzi Asthar Delmar N Ganga, South Africa-Alumni Students: Books
- The Institute of Statistical, Social and Economic Research (ISSER): Journals
- Bombay Natural History Society (BNHS): Books
- MITCON Consultancy & Engineering Services Ltd. is an ISO 9001:2008 certified company: Books
- SNDT Women's University Library, Mumbai: Books
- Yashowani Groups: Audiobooks
- Dr. Sanjay Kharat: Books
- Prof. Sangeeta Dhamdhare: Books
- Mrs. Pushpa Ranade: Books
- Nirali Prakashan: Books
- Mr. Anand Damle: Books
- Rao K.V. Bhaskar: Books
- Vision Prakashan: Books
- Idol Publication: Books
- Shravani Book Agency: Books
- Other individual patrons: Books

Library Automation: Library is fully automated with Autolib Software with bar code technology. It is user friendly software and computerized books issue- return saves the time of students. It Provides OPAC with advanced search facility, Indexing of articles in subscribed journals, Content Pages Scanning, federated Search and also generates all essential reports. Library is planning to shift to Koha Software in coming days.

Digital Information Centre: Library has digital library facility and provides access to e-Resources from its UGC Network Resource Centre. This centre has total 13 PCs with internet and LAN connectivity. Library E-Resource Portal and Google Custom Search for all databases are made available on library website and blog. Library has taken membership of DELNET and UGC-NList consortia. Library updates its patrons with electronic resources like new additions in subscribed consortia, educational videos, Audio Books, University Question Papers, Syllabus and higher education related news and research related guidance via email, blog, face book and notice boards.

More info:

<http://moderncollegecentrallibrary.blogspot.in/p/digital-information-centre.html>

Extension Services and Facilities offered by the library:

- ☐ Computerized Issue- return
- ☐ Open Access Initiatives both at library and publishing

- ☐ Reference and Referral Service
- ☐ Newspaper Clipping
- ☐ Article Indexing Service
- ☐ Current Awareness Service
- ☐ Selective Dissemination of Information Service
- ☐ Subject Guides
- ☐ Research Support
- ☐ Digital Information Centre
- ☐ Information Literacy
- ☐ Book Bank Facility
- ☐ Separate Competitive Exam Section
- ☐ Reprographic, Scanning, Printing
- ☐ Library website and blog
- ☐ Audio Books for physically challenged students
- ☐ Email Notification to all readers
- ☐ E-Newsletter- Granthavedh
- ☐ Institutional Repository

Book Bank Facility: In last five years total 215 students availed this facility

Sr. No	Year	No of Students availed this facility in last five years	Text Books Purchased	Amount
1	2011-16	215	789	1,34,637.20

Library Activities in last five years:

- Organized guest lecturers: 04
- Conducted Annual Poster Competition of all UG & PG student on different themes
- Published “Granthvedh” an E-Newsletter twice a year
- Organized Grand Book Exhibitions:06
- Celebrated various Birth Anniversaries of Eminent Personalities by organizing talk, book display, video lectures & documentaries.
- Organized display of Mobile Book Library of Pearson Publication

- Every year conducted Information Literacy programs/Mini workshops for staff and students: 15
- Conducted Bharatiya Sanskriti Examination on Swami Vivekanada's Book
- Organized Presentations on TRANSFORMING INDIANS TO TRANSFORM INDIA
- Every year organized 14 hour study in the library on the occasion of Dr. Babasaheb Ambedkar Jayanti for students and teachers
- Organized N-List Infilbnet-Springer E_Resources awareness Webinar on 12th December 2013 for all teachers.
- Organized a Sale of Written off books (old syllabi textbooks) in the reading hall for all patrons in the year 2014.
- Extension of Library Hours in the examination period
- Every year provided book bank facility to financially weak students
- Celebrated National Unity Day in the library with various activities
- Organized SciFinder Awareness Program/demonstration
- Celebrated Marathi Din in Association with Marathi Department on 27th Feb 15 Granthadindi, display and talks by teachers and students.
- Celebrated "Reading Inspirational Day" and "Indian Constitutional Day"
- Telecasted short films and documentaries and educational videos from MHRD and UGC websites.

Statistics:

<input type="checkbox"/> Percentage of Students availing library facility	: 50%
<input type="checkbox"/> Total Students and Books ratio	: 1 : 5.9
<input type="checkbox"/> Average number of walk-ins	: 300
<input type="checkbox"/> Average number of books added during last three years	: 1642
<input type="checkbox"/> Average number of login to e-resources	: 50
<input type="checkbox"/> No. of Staff visiting the library daily	: 20
<input type="checkbox"/> Average number of books issued/returned	: 106

Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

1. SPPU BCUD Minor Research Project: Rs. 1, 25,000/- to Prof. Sangeeta Dhamdhare

Publications in last five years:**a) Publication per faculty: 34:1**

- Number of papers published in peer reviewed journals (national/**

- International) by faculty and students:**

Prof. Sangeeta Dhamdhare: 20

1. **Dhamdhare, Sangeeta Namdev.** (2011). ABCD, an open source software for modern libraries. *Chinese Librarianship: an International Electronic Journal*, 32. ISSN: 1089-4667 available at <http://www.white-clouds.com/iclc/cliej/cl32dhamdhare.pdf>
2. **Dhamdhare, Sangeeta Namdev**(2011). NECESSITY OF KNOWLEDGE MANAGEMENT AND SHARING IN EDUCATIONAL INDUSTRY. *ISST Journal of Advances in Librarianship [IJALIB]* ISSN : 0976-9021.July-Dec 2011. Vol.1.Issue.2.
3. Manjiri Karambelkar , **Sangeeta Dhamdhare** , Prashant L. Phugnar , N B Dahibhate(2012). Paper entitled " E-learning: Future trends and Challenges to Academic Libraries". *International Journal of Information Technology & Computer Science (IJITCS)* Vol 2. ISSN (Online) : 2091 - 1610 | Pages : 59 - 67 | Publication Date : March / April 2012
4. **Dhamdhare Sangeeta Namdev**(2012). Web technology based innovations in education sector. *Educational Quest- An International Journal of Education and Applied Social Sciences*. Vol.3, No.3. 2012. pp297-203. Print ISSN : 0976-7258. Online ISSN : 2230-7311.
5. **Egbert De Smet** and **Sangeeta N Dhamdhare**(2012). "Publishing and sharing library resources with the ABCD Site". *Information Development*, Sage Publications, London. eISSN:1741-6469, ISSN:0266-6669, May 2013 29: 183-191, first published on July 9, 2012doi:10.1177/0266666912451187available at <http://idv.sagepub.com/content/current>
6. **Sangeeta N Dhamdhare** (2012)."Digital Library Services and Practices: an online survey" *International Journal of Library Science*, CESER Publications, Roorkee, Vol. 6; Issue # 2, 2012, ISSN 0975 – 7546.pg. 65-
7. **Sangeeta Namdev Dhamdhare** (2012). " Changing Face of Academic Libraries". *Pearl : A Journal of Library and Information Science* (Vol. 6, No. 1, JAN-MARCH 2012) Print ISSN : 0973-7081. Online ISSN : 0975-6922. <http://indianjournals.com/ijor.aspx?target=ijor:pjolis&type=home>
8. **Dhamdhare SANGEETA NAMDEV** (2012).ICT and Web Technology based innovations in education sector.*Turkish Online Journal of Distance Education-TOJDE* October 2012 ISSN 1302-6488 Volume: 13 Number: 4 Article 17. pg.256-268. Available at <https://tojde.anadolu.edu.tr/>

9. Aparna B. Gunjal, **Sangeeta N. Dhamdhere**(2013). Application Of Information And Computer Technology In Libraries.International Journal of Computing, Communications and Networking, ISSN 2319-2720, Volume 2, No.1, January – March 2013.
10. **Sangeeta N Dhamdhere** and Ramdas Lihitkar(2013).Open source software: Boon to Digital Libraries.Cloud Publications. International Journal of Advanced Library and Information Science 2013, Vol 1, Issue 1, pp.23-28, Article ID Sci-100.<http://scientific.cloud-journals.com/index.php/IJALIS/article/view/Sci-100>
11. **Sangeeta N Dhamdhere** and Ramdas Lihitkar (2013). Information common and emerging cloud library technologies. International Journal of Library and Information Science. Academic Publisher. November 2013; 5(10). ISSN 2141 - 2537, pp. 410 - 416. DOI: 10.5897/IJLIS2013.034
12. **Sangeeta N. Dhamdhere** and Dr. Ramdas Lihitkar. Pilot comparative study and evaluation of services offered through the websites of selected academic libraries from different countries. Information Age. Vol.8, No. 1; Jan 2014.P.28-33.ISSN: 0973-7073
13. **Sangeeta Namdev Dhamdhere**, Egbert De Smet, Ramdas Lihitkar, (2014) "ABCD open source software for managing ETD repositories", Library Management, Vol. 35 Issue: 4/5. ISSN: 0143-5124
14. **Sangeeta N Dhamdhere**(2015). Knowledge Management Model for Higher Educational Institutes. Journal of Commerce and Management Thought. Vol. 6 No. 1. pg.130-161. ISSN:0975-623X. Online ISSN: 0976-478X. DOI:10.5958/0976-478x.2015.00010.5
15. **Sangeeta Namdev Dhamdhere**. Importance of Knowledge Management in Higher Education Institutes.Turkish Online Journal of Distance Education - TOJDE. January 2015 ISSN 1302-6488 Volume: 16 Number: 1 Article 11, pg.162-183.
16. **Sangeeta N Dhamdhere**(2015). Knowledge Management Strategies and Process in Traditional Colleges: a Study. International Journal of Information Library & Society.Volume 4 Issue 1 January 2015., pg.47-55.
17. **Sangeeta Namdev Dhamdhere**(2015).Knowledge management applications and status in Indian education system: a survey. Elixir International Journal of Library Science. Vol.80 (2015). 30815-30823.
18. **Sangeeta Namdev Dhamdhere**(2015). Knowledge Management Practices in Education: Indian Scenario. Elixir International Journal of Education Technology. 80(2015) 30824-30834.
19. K. Kannan, Imtiaz Basha, **Sangeeta N Dhamdhere**(2015). An assessment of satisfaction of research scholars: a case study. International Journal of Library Science. Vol.14 Issue 1, October 2015.,pg.1-13. ISSN 0975-7546.
20. **Sangeeta Namdev Dhamdhere** and Egbert De Smet (2015). The use of web services for patron education and information by selected top university libraries in USA and India. Journal of Teaching and Education. ISSN: 2165-6266, Vol. 04 Issue 02, pg.175–196.

• **Number of papers published in National and International Conference and Seminars:**

Prof. Sangeeta Dhamdhare: 09

1. **Sangeeta N Dhamdhare** and Nandakumar B Dahibhate(2013). Knowledge Management Model (KMM) for an Educational Institution. International Conference on Knowledge Management and Resource Sharing, Muscat. Proceedings edited by Dr. S.D. Khan. Tata McGraw Hill Education Private Limited, New Delhi.ISBN(13):978-1-25-906380-0, ISBN(10):1-25-906380-1.Pg 71-78
2. Nandakumar B Dahibhate, **Sangeeta N Dhamdhare** and Manjiri A Karambelkar. Future of Academic Libraries in ICT Era .Proceedings of UGC Sponsored National Level Seminar on Impact of Information Technology on College Libraries 14th and 15th October 2011, ISBN: 978-93-81546-21-5, pg.90-93
3. **Sangeeta N Dhamdhare**. ABCD:New Foss for Library Automation and Digital Library . Paper presented at National Conference on "Digital Library Management and Challenges"(NCDLMC-2011).Asian Books Private Limited. New Delhi.2011, ISBN: 978-81-8412-102-5. Pg.192-202.
4. Prashant Phugnar, **Sangeeta Dhamdhare** and Nandkumar B Dahibhate. Institutional Repository (IR): Need for Knowledge Preservation and resource sharing paper presented and published at 57th All India Library Conference of Indian Library Association on “Knowledge Society: Innovations in Librarianship (ILAKSIL 2012) at Mangalore. ISBN: 81-85216-45-6 pg.233-239
5. **Sangeeta N Dhamdhare**. Library website: A mirror of the library paper presented and published at 57th All India Library Conference of Indian Library Association on “Knowledge Society: Innovations in Librarianship(ILAKSIL 2012) at Mangalore. ISBN: 81-85216-45-6 pg.298-302
6. Dhavale, Giridhar, **Dhamdhare, Sangeeta**, Karambalekar, Manjiri and Dahibhate, Nandakumar(2012). Proceedings of the National Seminar held on 24-25 February, 2012 at Indian Association for the Cultivation of Science (IACS), Jadavpur, Kolkata on "Collection Development and Management Policies" on 24 – 25 February, 2012. ISBN: 978-81-923191-0-0. Pg.173-180
7. **Sangeeta Namdev Dhamdhare**(2012). "E-resource management using OSS: a case study". Proceedings of National Conference on “Trends in Developing and Managing e-Resources in Libraries (TDMerL-2012)”25th and 26th May 2012, Visvesvaraya Technological University (VTU), Belgaum, Karnataka.ISBN: 978-81-924696-0-7.pg.257-262. **Sangeeta N Dhamdhare**. “ Academic Libraries 2020” paper presented at National level Seminar on “ ICT Development and its Impact on Libraries” at Annasaheb Magar Mahavidyalaya, Hadapsar, Pune on 27th-28th January 2012
8. **Sangeeta N Dhamdhare**, Egbert De Smet and Ramdas Lihitkar(2013).ABCD open source software for managing ETD repositories. Paper presented at 16th International Symposium on Electronic Theses and Dissertations ETD 2013 organized by Hongkong

University Libraries, Hong Kong between 22nd September to 26th September.<http://lib.hku.hk/etd2013/programme.html#23>

9. **Sangeeta Dhamdhere** and Egbert De Smet (2015). "Study of use of web and cloud technology for providing services and educating patrons by selected top traditional university libraries in USA and India". Paper presented at annual International conference at the Joseph B. Martin Conference Center at Harvard Medical School, 77 Avenue Louis Pasteur, Boston, Massachusetts, from 26 to 30 May 2015.

- **Number of articles published in magazines: 02**

1. **Sangeeta N Dhamdhere**(2014).Become The Future Teller Of Your Career With These Tip. AstroCamp Online Magazine. Astrosage. com.
2. **Sangeeta Dhamdhere**(2014). Nokari Vyavasayavar Bolu Kahi. Article published in marathi magazine Swananda Spandan. Vol 1, Issue 2, April - June 2014. pp 39-41

- **Number of publications listed in International Database (For Eg:Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.): 19**

- **Chapter in Books: 01**

- **Dhamdhere, S. N., & Lihitkar, R.** (2014). The University Cloud Library Model and the Role of the Cloud Librarian. In S. Dhamdhere (Ed.), *Cloud Computing and Virtualization Technologies in Libraries* (pp. 150-161). Hershey, PA: Information Science Reference.:

- **Books Edited: 01**

- **Dhamdhere, Sangeeta N.** "Cloud Computing and Virtualization Technologies in Libraries." IGI Global, USA, 2014. 1-403. Web. 12 Jun. 2013. doi:10.4018/978-1-4666-4631-5,

- **Books with ISBN/ISSN numbers with details of publishers: 01**

- **Sangeeta Dhamdhere.** " Knowledge Management in Indian Higher Education System: Strategies, Processes and Applications". Lap Lambert Academic Publishing, Germany, 2014. ISBN-13:978-3-659-58077-2, ISBN-10:3659580775EAN:9783659580772, 160p.

- **Citation Index:**

- Citations: **38**
- i10 Index: **01**
- SJR: **0.65**
- Impact factor: **02**
- h-index: **04**

Areas of income generated in last five years:

- Late Fine : Rs. 1,34,504/-
- Book Exhibitions : Rs. 56,500/-

- Money Recovered for loss of Books : Rs. 21,399/-
- Scrap of old Newspapers : Rs. 9,722/-
- Photocopying : Rs. 7,956/-
- Sale of Withdrawn Books : Rs. 1,730/-
- International and National Workshops : Rs. 20,000/- +
- **Total Income generate in last 5 years : Rs. 2,51,811/-**

Faculty as members in:

(a) National committees b) International Committee etc.

Editorial Boards: 01

Librarian Prof. Sangeeta N Dhamdhare is Editorial Board Member of 10 International Peer Reviewed Journals mentioned below and working as Reviewer also for International Science Domain and International Knowledge Press, UK.

- International Journal Of Library And Information Science
- International Women Journal of Distance Education
- International Journal of Information Library and Society
- International Journal of Research & Development Organisation
- Global Journal of Academic Librarianship [GJAL]
- International Journal of Librarianship and Administration (IJLA)
- International Journal of Library Automation, Networking and Consortia (IJLANC)
- International Journal of Information Technology and Library Science (IJITLS)
- International Research Journal on Information and Communication Studies
- International Journal of Digital Libraries and Knowledge Management (IJDLKM)

Awards/Recognitions received by faculty and students in last five years:

- Librarian Prof. Sangeeta Dhamdhare **received travel grant from UGC and Young Scientist Travel Grant of SPPU BCUD** for presenting Paper at International level at Muscat and HongKong respectively in the year 2013 and 2014.
- Librarian Prof. Sangeeta Dhamdhare received **fellowship** to attend three weeks training program on “E-discovery Tools” at **Antwerp University, Belgium** in December 2015

Seminars/Conferences/Workshops organized & the source of funding

a) National/State : 01 (SPPU BCUD Funded)

- **State level workshop on "Cloud Computing"** organized on 7th October 2013 which was sponsored by Board of College and University Development, University of Pune.

b) International: 01 (Self Funded in Collaboration)

- **International Workshop on Exploring ABCD Open Source Software** by International Trainer Mr. Alisson De Castro, Brazil in partnership of BIREME, World Health Organization, Brazil, VLIR (Flemish Inter university Council) Belgium and Modal Network, Brazil on 5th March 2013.

List of eminent academicians and scientists/visitors to the department -

Sr. No	Name of The Visitor/Guest	From Where?
1.	Dr. Egbert De Smet	Antwerp University
2.	Mr. Allison De Castro	Modal Network, Brazil
3.	Dr. Neela Deshpande	Librarian, SPPU
4.	Dr. Ravikant Deshpande	VNIT, Nagpur
5.	Mr. Sachin Manmode	TCS
6.	Mr. Amit Ingale	Cloud Expert and Evangelist
7.	Mr. Deepak Mane	TCS
8.	Mrs. Pratibha Jog	National Informatics Centre, Pune
9.	Dr. Nandakumar Dahibhate	National Chemical Laboratory, Pune
10.	Mr. Nagesh Ghavane	Unique Academy, Pune
11.	Mr. Shankar Ramanathan	Corporate Trainer, Worldwide
12.	Swami Siddeshanand	Chinmaya Mission, Pune
13.	Dr. Vijay Khare	Director, International Centre, SPPU
14.	Dr. Saurav Deshpande	Writer and Advocate, Pune
15.	Mr. Nanadakumar Ekbote	Social worker, Pune

Details on Patron enrichment programmes with external experts:

- Conducted Workshops at International and National Level and Invited Eminent Speakers.
- Every year Librarian conducts information literacy programs for UG and PG students to make them aware of library services, research support and how to access electronic resources.
- Every year library conducts grand book exhibition to enrich reading habits among the students and get exposure to new books in the market
- Organizes guest lectures and demonstrations
- Publishes E_Newsletter “Granthvedh” in which patrons are invited to write book reviews and articles.
- Conducts Poster Competition on various social and education related issues.
- Organizes various events in collaboration with other departments
- Organized online webinar of nlist consortia and Scifinder database awareness program by external experts.

Teaching methods adopted to improve student learning:

- PPT Presentation
- Online Demonstration
- Educational Video/Short films/Documentary screening
- Email notification and Current Awareness Service via Googlegroup.
- Interactive Blog
- Open Source tools

Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Organized Poster Competitions on Social issues.
- Birth and Death Anniversaries of Great Indians: Every year library celebrates birth and death anniversaries of eminent persons and Days recommended by Government to celebrate like Indian constitution day, Reading Inspiration Day, etc by organizing guest lectures, telecasting documentaries on their lives, conducting various activities, displaying pictures and their information on display board. The purpose is to spread awareness and create patriotism and values among students and let them know struggle and sacrifices by these people for our Freedom and make them responsible citizens.
- Library provided Book Bank Facility for financial week students. In last five years total 210 needy students availed this facility.

SWOC analysis of the department and Future plans:

Strength:

Research Environment in the college

1. Open Access to all patrons
2. User Friendly Library and give need based service

Weakness:

1. In adequate Space

Opportunity:

1. To use more advanced softwares for automation, digital library and institutional repository or content management
2. Introduce short term courses related to new technology and open source software
3. To make library a vibrant learning unit with all recent trends

Challenge:

1. To avoid theft in library using RFID Technology
2. To generate resources through external membership and information services

Road Map for Next Five Years:

1. Collection Development
2. IR/CMS: By introducing new content management software Institutional repository will be created in next five years
3. Single Search Engine: To save the time of readers and make available all catalogues and electronic resources on one platform FEDGATE search engine will be added for the library.
4. Remote Access to Resources: EZ-Proxy software will be added along with FEDGATE to give remote access to library resources to all readers.
5. Introduce new library services and support system using latest technology

Department of Physical Education and Sports

Goals

- To prepare highly competent and skilled facilitators of learning in the field of education, sports and games
- To serve as a center of excellence for research in Physical Education and allied areas.
- To Provide technical, professional and academic leadership to other institutions and the field of physical education and sports
- To provide vocational guidance and placement services.
- To promote a center for development of elite athletes.
- To preserve, sustain and expand traditional sports of the Country.
- To enhance the awareness towards mass physical activities those promote healthy lifestyles in society at large.

Information of the Departmental Staff:

Sr. No.	Name	Qualification	Designation	Teaching Experience
1	Dr. Deepak Tanaji Shendkar	BSc. (Electronics), M.P.Ed. PhD.	Director of Physical Education and Sports	19 Years
2	Mr. Prakash Patole		Support Staff	

Gymkhana Managing Committee:

Gymkhana Managing Committee (GMC) is the crucial in organizing day to day and occasional activities related to sports in the college. It helps in formulating rules and regulation, policies, guides in the activities related to Sports. GMC has following members team;

- Chairman : Principal
- Vice Chairman : Vice Principal
- Faculty Head : 2 Vice Principals
- Secretary : Director of Physical Education and Sports
- Staff Members : 2 From Each Faculty
- Student Council Members : ICSR (Male and Female) and UR
- Sports Student Members : 6 Students Representatives from different sports disciplines.

Sports Facilities available on the campus:-

1. Basketball
2. Volleyball
3. Outdoor Badminton
4. Chess
5. Kabaddi
6. Table Tennis
7. Baseball/Softball Batting practice
8. Cricket Batting Practice

9. Kho-Kho
10. Five-A-Side Football
11. Dodge ball
12. Throw ball
13. Gymnasium
14. General and Specific Fitness Training

Sports Facilities developed through University Infrastructure Grant

1. Table Tennis
2. Basketball
3. Volleyball
4. Outdoor Badminton

Shiv Chatrapati Awards

Sr. No.	Name of the Player	Event	Faculty	Year of Declaration
1	Krishnakumar Rane	Athletics	Commerce	2013-2014
2	Kiran Pethe	Judo	Commerce	2013-2014
3	Surekha Shirsat	Judo	Commerce	2013-2014
4	Tejaswini Muley	Shooting	Arts	2013-2014
5	Dipali Shildankar	Cycling	Commerce	2015-2016
6	Yogita Shildankar	Cycling	Arts	2015-2016

Research activities of the department

- Recognized M.Phil. / Ph.D. guide of S.P. Pune University, Pune
- No. of students awarded M.Phil. 15
- No. of students pursuing Ph.D. 8
- No. of students pursuing M.Phil. 2

Sports Scholarship by SP Pune University

Sr. No.	Name	Faculty	Academic Year	Sports Scholarship (Rs.)
1	Avinash Tapkir	Commerce	2011-2012	1000
2	Abhay Kachare	Arts	2011-2012	2000
3	Pavanraj Patil	Commerce	2011-2012	3000
4	Rohit Patil	Commerce	2011-2012	3000
5	Abhinandan Bhosale	Arts	2011-2012	5000
6	Jagruti Chandankere	Arts	2011-2012	5000
7	Tejaswini Muley	Arts	2011-2012	5000
8	Shailesh Khope	Commerce	2011-2012	5000
9	Anita Yadav	Commerce	2011-2012	8000
10	Shraddha Talekar	Commerce	2011-2012	10000
11	Govinda Kalbande	Commerce	2011-2012	18000
12	Mohit Joshi	Commerce	2012-2013	1000
13	Bhiva Kolekar	Arts	2012-2013	3000
14	Chandrakant Zagade	Arts	2012-2013	5000
15	Jagruti Satarkar	Commerce	2012-2013	10000

16	Vinayak Auti	Commerce	2012-2013	10000
17	Dipali Shildankar	Commerce	2012-2013	14000
18	Shraddha Talekar	Commerce	2012-2013	15000
19	Mohit Joshi	Commerce	2013-2014	1000
20	Poornima Shinde	Arts	2013-2014	2000
21	Durgesh Gudelu	Arts	2013-2014	3000
22	Deepali Shildankar	Commerce	2013-2014	5000
23	Abhijit Shirke	Arts	2013-2014	9000
24	Chandrakant Zagade	Arts	2013-2014	14000
25	Deepali Aware	Arts	2014-2015	7000
26	Kedar Satpute	Commerce	2014-2015	7000
27	Fulchand Karad	Arts	2015-2016	7000
28	Shraddha Talekar	Commerce	2015-2016	5000
29	Abhijeet Shirke	Arts	2015-2016	5000
30	Nikhil Shahane	Arts	2015-2016	5000

International Players Performance

Sr. No.	Name	Faculty	No. of Times Participation	Bronze Medal	Silver Medal	Gold Medal	Academic Year
1	Rohit Patil	Commerce	1		2		2011-12
2	Chandrakant Manwadkar	Arts	1				2011-12
3	Jagruiti Chandankere	Arts	1				2012-13
4	Poonam Warkhade	Arts	1		1		2012-13
5	Pournima Shinde	Arts	1			1	2012-13
6	Rameshsingh Tamatta	Arts	1				2013-14
7	Akshay Fulambrikar	Arts	1				2015-16
8	Raghunath Mali	Arts	1				2015-16
9	Tejaswini Muley	Arts	2		2		2011-12
10	Archana Adhav	Arts	2	1			
Total			12	1	5	1	

University participation and Medals Data:

University	Academic Year					Total
	2011-12	2012-13	2013-14	2014-15	2015-16	
Participation	10	35	32	23	24	124
Bronze Medal	4	4	3	2		13
Silver Medal	1	3	1	7	2	14
Gold Medal		3	1	3		7

National participation and Medals Data:

National	Academic Year					Total
	2011-12	2012-13	2013-14	2014-15	2015-16	
Participation	17	49	33	39	36	174
Bronze Medal	8	4	4	4	3	23
Silver Medal	7	13		4	3	27
Gold Medal	12	19	5	4	4	44

List of eminent academicians and scientists/visitors to the department in last five years:

Sr. No.	Name of The Visitor/Guest	From Where?
1.	Mr. Janak Tekale	Deputy Director, Youth and Sports, Maharashtra Government.
2.	Ad. Baba Chavhan	Social Worker, Pune.
3.	Advocate Baba Chavhan	Social Worker, Pune
4.	Mr. Nanadakumar Ekbote	Social worker, Pune
5.	Mr. Deepak Mane	Director, Board of Sports, Pune University, Pune.
6.	Mr. Yogenkumar Asher	International Coach and Indian Softball Technical Committee Chairman.

Teaching methods adopted to improve student learning:

- Video based Feedback
- Online Sports Skill video
- Sports Video/Short films/Documentary screening
- Whole-Part-Whole Teaching Method
- Cooperative Teaching Methods

Organization of Competitions for students

College organizes various sports competition for promotion and giving experience for participation and organizational skill development of the students. Theses competitions are organized on following levels;

1. Intercollegiate
2. Interzonal

3. Open State Competitions
4. Intramural Sports Competitions

PE Scheme

College successfully implemented Physical Education Scheme introduced by SP Pune University. Total 1448 students from FY Classes from all faculties participated in the evaluation process.

Financial Assistance to students

College provides financial assistance to the student in the form of;

1. Traveling Allowance to participate in the intercollegiate and Interzonal Competitions
2. Daily Allowance/ Refreshment Allowance to participate in the intercollegiate and Interzonal Competitions
3. Sports Scholarship to sports person on the basis of their financial, academic and sports performance.
4. Prizes on the basis of their sports performance in the Annual Sports Prize Distribution Ceremony.

SWOC analysis of the department and Future plans:**Strength:**

- Freedom to players to participate in any sports discipline.
- Various play grounds in the vicinity of the college.
- Student strength of the college.
- Financial Income

Weakness:

- Inadequate Space for Various Games.
- Less Coaching Facilities to players.
- Less Financial Freedom.

Opportunity:

- Talented Sports Persons are available in the city willing to take admission in the college.
- High end sports performance analysis and feedback systems can be implemented for enhancing sports performance.
- Experts in the field of Sports Psychology, Physiotherapy, Sports Medicine, Sports Massage, Biomechanical Analysis, Sports Physiology etc. are easily approachable in the city.
- Experts in the field of Coaching in various games are also available in the city.
- Involvement of students, teachers, Non teaching staff and general public in the sports and fitness activities is possible.
- To use more advanced software for departmental automation.
- Introduce short term courses related to Sports, Fitness and yoga in collaboration with NGO.
- Sports Persons and teaching and support staff insurance.

Challenge:

- Sports ground availability.
- Availability of full time medical support staff.

Road Map for Next Five Years:

1. In depth knowledge of the subject
2. Skills and a broader overview in other areas of their interest
3. Help them to grow holistically.
4. To provide adequate learning opportunities for advanced learners.
5. To facilitate students and teachers abreast of advanced knowledge in their respective fields as well as other soft skills and ICT components.
6. To inculcate the right values among the graduates eg. Singing National Anthem in the morning and evening.
7. Sports Facilities and Infrastructure to be developed.
8. Human Performance Lab
9. To initiate collaborations.
10. To organize workshops.
11. Undertake minor research in Physical Education.

Academic Planning Committee

Academic planning committee of college comprises of Principal (Chairman) and Vice principals of Arts, Science and Commerce faculties. The functions of the committee are:

- a. To plan admission policy for various courses.
- b. To prepare academic calendar for every year.
- c. To form various committees every year for smooth functioning of college.
- d. To plan major events at college.

Academic committee designs admission policy for various courses in the college. It is prepared considering the demand for the course and sanctioned strength. Academic calendar for various events is prepared in the beginning of the year considering vacation period, University examination timetables and availability of infrastructure. A periodic review is taken to check the effective implementation of calendar. Various committees are formed to for smooth functioning of the college. Teachers are allotted committees considering their interests and likings. Meetings are conducted separately with individual committee in the beginning of the year to plan activities. A review of work done by each is taken at the end of the year. Academic planning committee meets every month to take stock of situation.

Prin. Dr. Sanjay Kharat

Report on adult and continuing education and extension activities [2011-12 to 2015-16]

Organized in association with

Department of Adult and Continuing Education and Extension, S.P. Pune University

Modern College of Arts, Science and Commerce, Ganeshkhind in association with Department of Adult and Continuing Education and Extension Activities, S.P. Pune University conducted 21 (twenty-one) programmes for the Five Year period of 2011-12 to 2015-16 in the college. The number of beneficiaries was 1343 which included Senior Citizens, Women from Bachat Gat, teachers and students. Total expenditure for the programmes was Rs. 1,77,638/-.

Objectives

- Impart education and training for Lifelong Learning in order to provide professional manpower for the development of human resource.
- Develop knowledge, skills attitudes and values, and integrate theory and practice appropriate to the Lifelong Learning.
- Promote interdisciplinary collaboration for better understanding of human problems and reaching out to larger sections of community, specially deprived groups.

Programmes & resource persons

1. Senior Citizens' Health, 2. Women Empowerment, 3. World Population Day,
4. Employment and Entrepreneurship, 5. Non Government Organizations etc.

Experts in these fields were arranged for the beneficiaries. Some of the Resource persons include: Mr. Ajay Kadam, Senior Police Inspector; Dr. Raosaheb Kasbe, Dr. Babsaheb Ambedkar Study Centre, SPPU; Dr. Vijay Khare, Director International Students Centre, SPPU; Prof. Satyanarayan, Managing Director, OECS India; Mr. Bindumadhav Joshi, Social Activist etc.

Outcome

The activities undertaken were beneficial for the college youth, senior citizens regarding their health, and by knowing their rights women become empowered in the society. These kinds of programmes help the society to come closer to the educational institutions. The people find it comfortable to work in collaboration with the college.

Acknowledging the work done under the Adult and Continuing Education and Extension Activities in the College, Dr. Sanjay Kharat, Principal received Jagannathrathi Award from S.P. Pune University in the year 2013-14 on 10th February 2014 on the University Foundation Day.

Dr. Abaso Shinde
Coordinator

Akanksha – College Magazine Report - (2010-2016)

Objective to behind the publication:

1. A Platform for the expression of the students
2. To develop linguistic and writing skills of the student
3. To enrich students comprehension of diverse topics
4. To involve students in process of editing
5. To register and print reports of all college departments and activities conducted in college. To collect and compile photos
6. To register special achievements of student and teachers.

REPORTS : 2010-2016

Youth Special Issue: 2010-11:-The 2010-11 issue is dedicated to youths and it clearly reflects the heart-beats feelings and emotions and youths. Nearly 55 students from all faculties have written articles for this issue. 'Prabhu creation 'have printed this issue and 9 teachers were actively involved in the editorial board of this issue.

Media Special Issue:2011-12:-Life today is completely influenced by media. To know the views and opinions of these youths about media, the topic of this year issue was selected as media.60 students have contributed to this issue with their articles.

'Safety' Special Issue: 2012-13: A diverse and critical speculation has been expressed and the reactions of students on the topic are eye opeing.63 students and 10 teachers have contributed to this issue.

Social commitment Special Issue: 2013-14: (THIRD PRIZE OF SPPU FOR BEST COLLEGE MAGAZINE): The students are tomorrow's future. In order to make him civilized citizens he has to be aware of social commitment in college life only. In view of this objective, the topic of this year issue was finalized.51 students and 2 teachers wrote for this issue (Printer-Prabhat prniting works)

Disaster Management Special Issue: 2014-15: Theme of this year issue was selected in view of the recent disaster events at kedarnath, malingaon and Kashmir. The purpose being awareness about disaster management. 5o students and 2 teachers wrote for this issue. (Printer-Nirmal Media).

Literature and culture special Issue: 2015-16: In this issue student have given information about books and their respective culture.

It feels that the objective behind Akanksha has been fulfilled in these five years student s have been developing their creativity, language skills through Akanksha. It reflects their personalities and thoughts. And this is the success of Akanksha enterprise.

Dr. Sanskriti Awalgaonkar
Co-ordinator

Report of Alumni Association: Modernites

Introduction:

An alumni association of P.E. Society's Modern College of Arts, Science and Commerce Ganeshkhind Pune is a registered association under public trust and Society's Act in the year 2010-11. It has its mission statement as 'a silent but powerful movement that transforms.....'. It has its executive body for execution of its objectives and policies. The body constitutes with the involvement of Principal and some of the senior faculties and alumni. The memorandum of association aims at -

1. To impart valuable suggestions for quality education through Internal Quality Assurance Cell frequent meetings.
2. To undertake the various activities for the present students so that it will help them to improve their employability skills and entrepreneurial abilities.
3. To assist the placement cell of the college for conducting soft skill development workshops, Personality development workshops and campus interview.
4. To achieve the inclusive growth of the students through endowment scholarship for deserving economically backward students.
5. To make collaborative effort in environmental consciousness, financial inclusion, women empowerment, academic upliftment of the students.
6. To provide a platform for the alumni through Alumni Meet for enriching them with business contacts.

ACTIVITIES CONDUCTED SO FAR...

A. Academic enhancement:

The association has taken the following efforts for the academic enhancement of the students.

Sr. No.	Alumni details	Contribution
1	Mr. Nishant Deo	Invited as a judge for Banking Finance Quiz conducted for TYBCOM.
2	Mr. Aniket Kulkarni	Co-ordinated the stock market training programme for B.Com, Mcom, MCA (commerce)
3	Mr. Shrirang Deshpande	Guided the Bcom students for career in Banking.
4	-Mr. Ashok Munde and Mr. Kiran Desai	Took an interactive session on Entrepreneurial Personality for T.Y.BCON students.
5	Mr. Abhijeet Bandewar	Coordinated industrial visit for the teachers who were gathered for refresher course in the DERC Pune university.

6	Mr. Rajendra Shinde,	Invited as a chief guest for Inauguration function Operational Banking Training Program and guided the students in career in banking.
7	Mr. Shashank Joglekar	Invited as a chief guest for valedictory function Operational Banking Training Program and guided the students in career in banking.
8	Mr. Amey Nisal and Mr. Anand Parchure	Nominated as members of Internal Quality Assurance Cell to bring quality and professionalism in higher education.
9	Mr. Amey Nisal	Conducted orientation sessions for Arts, Commerce, and science on “How to prepare business plan?”
10	Mr. Vinayak Kulkarni	Invited as judge for Poster competition during Swami Vivekanand Jayanti and gave valuable inputs to improve the contents displayed in poster.

B. PLACEMENT ENRICHMENT:

1. Mr. Kiran Desai conducted a campus interview for Arts and Commerce faculty IN THE YEAR 2011-12 for Siddharth Motors. 04 students were selected for different posts.
2. An interview of renowned past students was organized on 13th JAN 2012 for the present students. They were all interviewed by the students of the college on the various areas like the college then and now, which career to be chosen, an opportunities in the corporate world etc.
3. On 10th March 2012 Mr. NISAL and Mr. BANDEWAR took the grooming session of T.Y.BCOM students regarding writing of an ideal resume, how to face an interview etc.
4. Four students are placed by Mr. Kiran Desai vice president of Modernites in SWAMIRAJ TOURISM.
5. Mr. Amey Nisal has placed one student in UNISPLASH MEDIA social media marketing company.
6. Various eminent alumni were invited by the various departments to interact with students for opportunities in corporate world through guest lectures, soft skill development workshops.

C. SCHOLARSHIPS:

ENDOWMENT SCHOLARSHIP POPULARLY KNOWN AS GOLLAPUDY SCHOLARSHIP:

Mr. Sandip Gollapudy the ex student of second batch has instituted two scholarship in the name of his late father of Rs. 25000\ only in the year 2004-05 for the deserving but economically backward student of commerce only and Rs. 30000\ only in the

name of his late mother in the year 2013-14 for the deserving but economically backward student of any faculty. The beneficiaries are as below...

- | | |
|------------------------|---------------|
| 1. Mr. Palaskar Ganesh | (T.Y.B.COM) |
| 2. Bhahsaheb Kannor | (S.Y. B. Com) |
| 3. Mr. Satish Gavai | (T.Y.B.COM) |
| 4. Mr. Sachin Umate | (T.Y.B.A) |
| 5. Mr. Jamanji | (T.Y.BCOM) |

2. MODERNITES SCHOLARSHIP:

In order to gain the professional multi skills our association has sponsored two scholarships to acquire the skills in ARTHETECK KNOWLEDGE SOLUTIONS to Ms. Rajani Jirekar students of MCOM and Ms. Supriya Jadhav student of T.Y. B. Com. of Rs. 15000\ only.

D. COLLABORATIVE PROJECTS:

The association has taken the effort to make a collaborative project for the present students to impart the professional skills, health awareness and transformation of the students like.

1. Collaboration for EMPACT course for which two above mentioned students were sponsored for the course and four students got the placement in the same organization.
2. In collaboration with ARTHTECT KNOWLEDGE SOLUTIONS Modernites has conducted employability skills development training program for last year students of Arts and commerce students having Marathi medium background. The whole program was divided into three parts i.e profile test, proficiency test, and customised personality development program. About 100 students participated. The two students of arts and commerce faculty who were ranked in both the examination were awarded cash prize during valedictory program of VIVIDHAA on 11th Jan14.
3. In association with honorary member of our association Dr. Aarati Shahade we conducted Health awareness program in the year 2013-14 and 2014--15 it has conducted 'HB AND BLOOD GROUP TESTING CAMP' in association with college for the first year students. The camp was designed under the consultation and advise of Dr. Arati Shahade, who had directed ZUVENTUS Health Care Ltd to sponsor HB testing camp as well as medication to anemic students. Deshpande Laboratory conducted Blood Group testing and HB testing of few students. The camp was inaugurated by Dr. Pandit Shelke Director of Students Welfare Department of Pune University and Mr. Akshay Waghmare a famous film personality and our ex-student. The camp was funded by Students Welfare Department of Pune University. The students were guided by Doctors about nutrition and ideal life style. About 490 students had participated in the camp.

the year 2013-14 and 200 in the year 2014-15. The back office of Modernites has supported this camp.

4. In association with Lees Beauty Center and Spa in the year 2013-14 an association conducted **Image Building Course** for which 20 female students got a sponsored crash course. In the year 2014-15 the same course with the title of **Health and personality grooming crash course** for 29 students and in the year 15-16 four months certificate course with the tile of **Transformation** course for 15 students was conducted. The various areas were covered in the course like anatomy, nutrition, attire, hygiene management, communication skills, yoga and meditation ion, mock interview, presentation skills, stress management etc.

E. VIVIDHAA AN EXHIBITION CUM SALE:

The association every year conducts an exhibition cum sale popularly known as Vividhaa to promote entrepreneurial talents amongst college students on the occasion of Swami Vivekanand Jayanti with the various themes like BE TOGETHER, COLOURS OF UNITY, COLLEGE TO COMMUNITY AND YOUTH EMPOWERMENT ect. The students exhibit their entrepreneurial talents in the year of academic project, brain storming games, handicraft, dress material, jewellery, snacks and beverages. Every year about 200 students are participating and an association gives best prize in the area of creativity, marketing skills, quality, environmental consciousness, social responsibility ect.

Every year at least two stalls are given at free of cost to social institution like SPARSH Balgram, NGO working for HIV /AIDS affected children, Kalpataru, NGO working on awareness regarding different social problems; Adivasi Handicraft Centre, known as IDEA, working for tribal artisans, Abhinav Farmers' Club, farmers club working for farmers and promoting organic farming. Rotary Club of Pune , GURUKUL working for orphaned children ,DYANPRABHODINI ect.

The participants of vividhaa donates some amount of their profit to such institutions. The following events are at the credits of this mega event...

1. Tresure Hunt intercollegiate competition
2. Business Plan competition
3. Promotion of Marathi film like Pune 52 of Girish Kulkarni and Ek tara of Avadhuta Gute
4. Amar Bansi a musical evening oof our famous alumnus flute player Mr. Amar Oak .
5. Colours of India a cultural program of out of Maharashtra presenting the culture of their state.
6. Powada , Shivaji's warfare, Amachi sanskruti amacha varasa sponsored by History department.

7. Mai AisaKyuHoon? A session for parents alumni and students by Sanjay Upadhye as a orientation of science of human behavior.
8. 'Ek Hot Deool'. This two and half hour program was based on the Indian Sculptors and Temples. This program was presented by Mr. UdayanIndurkar. The program reveled history and science behind temples and sculptors. This program has set a scientific approach to look at the sculptors and temples.
9. Career fair” was organized where various professional training institutes participated. Arthtech Knowledge Solutions, Lee’s Beauty Centre, IMS Pro-school, MBITION, Unique Academy were some of these institutes. All these institutes are running various courses in areas like MBA entrance preparation, CA/CS training, Competitive exams training, courses in dance, drama and music, technical writing, script writing, personality development, spoken English etc. The main objective behind organizing career fair was to make students aware about different career options they can choose.
10. Cosmos Bank Employee’s Group presented a street play on importance of opening a bank account.
11. Parents Meet named as AAI MAZAA MAHAVIDYALAYAT was organized in association with Board of Students Welfare, University of Pune. The objective to organize this meet was parents and teachers interaction and to brief them about different activities of the college.
12. Inspire Yourself a session of Lakshay Foundation working for border people of Mrs Sardesai and of Mrs. Swati Raje Founder of Bhhasaa Foundation working for slum area children.
13. **HAPPY GO LICKY:** Prof. Waghmare who is well-known as Junior Makarand Anaspure appreciated the efforts of students in the voice of Makarand Anaspure and appealed the audience to donate the funds and profits to NAAM foundation to support the victim farmers.
14. **MUSICAL HEALING:** Dr. Sachine Deshmukh and Dr. Rajeev Joshi have guided our students on physical and mental health management through a singing program. The parents of the students also attended this program. They had created awareness amongst youth about the importance of health management in the competitive world by way of giving simple health mantras.
15. **CYCLE RALLY (2014-15) AND MARETHON (2015-16):** About 90 students participated in cycle rally and 58 students had participated in mini marathon from college to pashan circle to college with a cause of ‘run for health’.
16. **Street plays on various environmental issues every year.**
17. **Open Fourm with different themes like..**
 - ✓ **‘My dream, my career’.** Experts were called from various fields such as adventure sports, media, administration, entrepreneurship, entertainment etc. This interactive session was conducted by Mr. KedarKadam and Mr. Vinayak Kulkarni, alumni of our college. Rohit Mali, Mountaineer, Mrs. Ashwini Kulkarni, Entrepreneur, Mr. Dnyaneshwar Bodake, President,

Abhinav Farmer's Club and National Award Winner of NABARD, Mr. Sangram Khopade, Radio Jockey, Mr. Ghanasyam Patil, Journalist, Mr. Bhanupratap Barge, Senior Police Inspector from Administration, were called as experts to guide students. They guided students on 'how to become successful not only in their career but also in their life'. They shared their views and experiences in their respective fields.

- ✓ **'College to community'** experts were Dr. Ghosh a researcher, Mr. Girish Prabhune president of Gurukul, Jadhav Shridhar Pune police Crime Branch, Ms. Dabir Kranti NGO MASSUM, Mrs. Kranti Pawar police inspector shared their opinions about the role of youth in meeting social commitments.

- ✓ **'Youth and Media'**. The various personalities from various media gave the valuable message to the students. Mrs. Kranti Pawar police inspector, Mrs. Nandakumar chief editor Sakal, RJ Shruti, Mrs. Pratibha Chandra from Sahara channel had graced the occasion.

The open forum is in the form interview of the dignitaries. The interview was taken by Mr. Kadam Kedar ex student and executive committee member of Modernites.

18. **Road Safety Pramotion** in collaboration with Pune University Police Station to create awareness amongst youth about follow of traffic rules and use of Helmate.

19. **HR meet** was arranged at campus to collaborate Yuva Saptaha and Vividhaa exhibition with a view to gather their suggestions and involve them as judges of various competitions. The vividhaa team approached about 32 corporate people and around 7 HR authorities had participated and visited to the campus as judges during vividhaa and yuvasaptaha. They had also shown their involvement to design and implement career oriented courses.

This mega event is sponsored by an association and partly by college and partly by honorary members.

20. **MODERN CHEF: From 2014-15 our association is organizing** the recipe competition in collaboration with B.VOC department for the P.G. students, staff, Non teaching staff and alumni. Mrs. Dhaphare was invited judge to evaluate the food items presented by the participants. About 20 were the participants every year.

The outcome of this mega event VIVIDHAA can be briefly explained as below...

1. Firstly it has created an interdisciplinary approach amongst the students of Arts, Science and Commerce. The students of Science were benefitted about the commercial application of the knowledge like how to prepare a business plan, how to get finance and which are the various sources. Similarly commerce and arts students realized the importance of research and innovation in global competition.
2. It has tried to inculcate the values and traditions amongst youth.

3. It has tried to transform the personality of our students and made them capable for employment and business.
4. It has encouraged the students to start business and social institute. About 10 students have started their own institutes.
5. It has tried to develop a sense of social responsibility. The best example is that the student participants in the year 2015-16 contributed Rs. 1,00,000\ only out of the invested amount and profit to NAAM Foundation which is working for farming community.
6. It has created a strong bonding amongst all the stakeholders like students, alumni, parents and corporate personalities.

F. CULTURAL SUPPORT:

1. The various artist alumni expert has supported the Arts Circle of the college to groom the students in the area of dance, acting, singing, elocution and debating and the areas wherever the expertise is necessary for the skill development. The alumni like Sagar Kanekar, Sudhanwa Panase, Gargi Kulkarni, Tanmay Velankar, Tejashree Gugale, Sangram, Adiya Apte, Udaya Suryavanshi, Ketan Rakshay supported the students to shape their career in the respective fields.
2. Mr. Sagar Kanekar Alumnus took the effort to form DHOL TASHA PATHAK of Female students. Around 70 students have participated in this event. This pathak has performed their art during Ganapati festival in collaboration with private organizations and Spicer college for foreign delegates.

G. ENTREPRENEURSHIP SKILL DEVELOPMENT TRAINING PROGRAM:

With the objective of encouraging youth towards entrepreneurship an association took an effort to impart some skills in the areas of origami and paper art, jewellery designing and chocolate and cookies making. Around 175 students had participated and acquired some skills and later on tested their marketing skills by putting their stall during an exhibition.

H. ALUMNI MEET:

Every year alumni meet is organized at the end of our mega event Vividhaa where the following programs were arranged...

1. First batch of alumni has sponsored a trophy for the best performance in sports.
2. First batch of alumni has sponsored Rs. 5000\ only for Bhashha Foundation for benefit of poor children for the inclusive growth.
3. Cultural event with the combine performance of present and alumni artists.
4. Mutual exchange of their personal profile and contacts for win win benefit.
5. The alumni, teachers and students donated books, toys, clothes for the social cause to Kalpataru a NGO of our alumnus Vinayak Kulkarni.
6. Alumni visits are arranged to the stalls displayed and guides and motivates the stall exhibitors.

7. Successful alumni are felicitated by the college for their contribution.
8. The contact list for social networking like facebook, what's app is updated every year to maintain the contact intact and encourage them share their details and achievements.

Secretary Modernites
Ms. Vijayalaxmi Kulkarni

Vice President Modrnites
Mr. Kiran Desai

Annual Health Check up Programme Report

Health Check up has been made mandatory for the students of First Year of all faculties learning in all colleges affiliated to Savitribai Phule Pune University. Getting the health check up done is very helpful as well as useful since it may diagnose such diseases of which students are unaware and thus can help overcome them as early as possible every year the programme of health check up is organized in the college under the supervision of Dr. Anant Ketkar and his team. Similarly, guidance is given to students on health and healthy practices.

Classification based on Class wise Students of Five Year

Sr.No.	Year	Class	Boys	Girls	Total
1.	2011-12	F.Y.B.A.	60	35	95
		F.Y.B.Sci	60	73	133
		F.Y.Com. Sci	95	83	178
		F.Y.Biot.	08	13	21
		F.Y.BCA	29	28	57
		F.Y.Com	191	232	423
		Total	433	468	907
2.	2012-13	F.Y.B.A.	116	67	183
		F.Y.B.Sci	64	87	151
		F.Y.Com. Sci	54	79	133
		F.Y.Biot.	14	37	51
		F.Y.BCA	16	15	31
		F.Y.Com	230	248	478
		Total	494	533	1027
3.	2013-14	F.Y.B.A.	172	80	272
		F.Y.B.Sci	92	125	217
		F.Y.Com. Sci	113	84	197
		F.Y.Biot.	09	26	35
		F.Y.BCA	45	36	81
		F.Y.Com	315	306	621
		Total	746	657	1403
4.	2014-15	F.Y.B.A.	143	71	214
		F.Y.B.Sci	82	110	192
		F.Y.Com. Sci	109	76	185
		F.Y.Biot.	12	35	47
		F.Y.BCA	68	52	120
		F.Y.Com	203	268	471
		Total	617	612	1229
5.	2015-16	F.Y.B.A.	188	112	300
		F.Y.B.Sci	88	120	208
		F.Y.Com. Sci	128	98	226
		F.Y.Biot.	40	29	69

		F.Y.BCA	57	46	103
		F.Y.Com	175	302	477
		F.Y.B.Voc.	29	07	34
		Total	703	714	1417

Classification based on medical Illnesses

Sr.No.	Classification	2011-12	2012-13	2013-14	2014-15	2015-16
1.	Medical illnesses	47	40	41	42	58
2.	Surgical illness	07	02	00	00	00
3.	ENT	18	45	22	47	42
4.	Eyes	62	74	62	88	36
5.	Skin	15	29	56	79	63
6.	Dental	11	145	142	102	31
7.	Gynecological	36	140	51	87	75

As per the directives of University the health check up programme is organized in the college every year. Similarly, other programmes are organized in order to create awareness about health among the students.

1.A lecture by Dr. Nisikant Shrotri was organized on women's health, diseases and remedies on 17.12.2012

2. A lecture by Dr. Ashlesha Bhagwat was organized on topic “ Health is Wealth” in the year 2013-14

3.A programme of Blood Group and Hemoglobin check up of students was organized on 02.08.2013

4.A programme of hemoglobin check up of students was organised on 8 and 9 August 2014

Co-ordinator
Dr. Savita Sabnis

Anti Sexual Harassment Cell

Mahila Hitrakshan Samiti

This cell is formed as per the guidelines of SAKSHAM. It comprises of Principal, Vice principals, Representatives of non teaching staff, senior teacher and councilor and two outside experts namely

- 1) Kranti Pawar, PSI
- 2) Chintamani Ghate, ADVOCATE

The following functions are performed by this cell:

- 1) Redress of harassment issues.
- 2) Awareness building about gender equality at the work place.
- 3) Display notices in departments and other strategic places in the college.
- 4) Making mention of the cell in the prospectus.

Besides this, Anti sexual Harassment Cell organizes following activities:

- 1) To arrange lectures on gender sensitization.
- 2) To provide counseling for girl students.
- 3) To arrange interactive sessions with gender studies experts.
- 4) Lady police in civil dress takes round in campus and ensures safety for girl students. A separate complaint box is fixed for girl students by Pune Police.
- 5) As per suggestions of cell new toilet block is constructed with modern amenities where sanitary napkin vending machine is installed.
- 6) College has appointed sufficient security staff to maintain safe environment and discipline at campus.

Shubhangi Joshi

Report on ARTS CIRCLE

Objectives:

- Learn to appreciate Performing Arts of music, dance, drama, painting
- Train the students to participate in Inter Collegiate Competitions
- Visibility at Inter Collegiate, State and National Level

Mechanism and Modalities:

- Arts Circle Committee members take up the task of looking after drama, dance, music, fine arts
- Chairperson does planning, supervision and monitoring with the help of the Staff members
- Student Coordinators facilitate each activity
- Alumni and Experts are invited as facilitators

Outcomes:

- Performing Arts Appreciation programs have received enthusiastic response from Students and Staff every year
- Training programs are conducted consistently and help in guiding the students
- The participation of students in competition is excellent
- Students have won prizes at local, state and national level
- Many students are now working as professionals in Performing Arts

Our Renowned Students and Alumni:

Akshay Waghmare (Film Actor)

Sudhanwa Panse (Drama and Films)

Nikhil Khaire (Drama, Short Films and Advertising)

Gargee Kulkarni (Film Producer and Assistant Director)

Vighnesh Joshi (Drama, Films)

Tanmay Velankar (Music and Sound Engineering)

Aditya Apte (InstrumentPlayer)

Sabyasachi Chatterjee and Ajitav Chakraborty (Music Albums)

Uday raj Suryawanshi(Singing)

Asmita Paste (Singing)

Pranita Natesan , Tejashree Gugale and Sangram (International Dance Awardees)

2012-2013

Training Workshops, Special Lectures, and Programmes:

1. Renowned Director, Actor and Playwright Atul Pethe delivered a Special lecture on ‘ *Maza Natya Pravas* ‘ / ‘My Journey as a Theatre Person’ (29/8/2012)
2. Critically acclaimed Actor and TheatreTrainer, an Alumnus of National School of Drama, New Delhi and Faculty in Lalit Kala Kendra, Pune University and Department of Dramatics Flame University, Ms. Ashwini Giri conducted a One Day Training Workshop which included Improvisation, Voice Modulation and Physical Theatre. The Students participated very actively and benefitted greatly from this Workshop.
3. Noted Classical Singer and Vocal Music Faculty Member in Flame University, Sameer Dublay conducted a Training Workshop with Demonstrations on ‘ Music Understanding and Appreciation ‘.It was an interesting and thought –provoking activity well attended by Students, Staff Members and Alumni.
4. Alumni Sudhanwa Panse, Dhananjay Mhasawde and Vighnesh Joshi guided the Students in the nitty gritty of Theatre.

5. Alumni Aditya Apte, Nikhil Hirulkar, Ajitav Chakraborty, Sabyasachi Chatterjee, and Uday Suryawanshi guided the Students on the finer points of Singing and Music.
6. Alumnus Nikhil Khaire a Faculty Member at Whistling Woods Academy, Mumbai explained the fine Art of Creative Writing and its genres like Script and Screenplay Writing to the Students.
7. Alumni Pranita Natesan, Sandy, Trupti, Saurabh conducted a Dance Workshop.
8. Our Students interacted with the Arts Circle – Drama group Students of SP College, Pune
9. A Programme showcasing the Singing and One Act play of our Members was organized for the Staff Members.

Participation in Inter Collegiate Competitions:

1. Lions Club , Pune Elite – Singing Competition
2. National Institute of Event Management Singing Competition
3. Kesari Trust Singing Competition
4. Yuva Idol Singing Competition
5. BMCC Inter Collegiate Astitva Competition – Greeting Card making, Poster making. Collage making
6. SP College Elocution Competition
7. Indira College Competition
8. BJS College Debate Competition
9. MMCC Anti Dowry Elocution Competition
10. Pune University, department of Student Welfare Street Play Competition
11. Vinodottam Drama Competition
12. Dnyanakranti Drama Competition

Student Achievements

Prize Winners in Inter Collegiate Competitions:

1. Steffi Michael (MCA II) and Satish Shirsat (FYBA) – Consolation Prize in Lions Club Pune Elite Singing Competition
2. Keshav Hasgule (TYBA) and Tushar Waje (FYBA) - 2nd Prize in Inter Collegiate Debate Competition at BJS College
3. Amar Chandere (FYBA) Consolation Prize at MMCC Anti Dowry Elocution Competition
4. Ketan Rakshe (FYBCom) Prize for Acting at Dnyanakranti Drama Competition
5. Steffi Michael – **BEST STUDENT OF THE ARTS CIRCLE 2012-13**

Prize Winners in Intra Collegiate Singing Competition

1. Asmita Paste (FYBCA) – 1st
2. Yogesh Dhumal (FYBSc) - 2nd
3. Jhilik Debarma (SYBA) and Mythilee Mulay (FYBA) – 3rd
4. Supriyo Dasgupta (TYBCA) and Annu Mishra (SY Biotech) - Consolation

Following Members worked as Coordinators: - Amruta Gagre (FYBA), Manoj Kavade (FYBCom) and Shashikant Thosar (Dramatics) and Supriyo Dasgupta (TYBCA) and Asmita Paste (FYBCA) (Music)

Asmita Paste also participated in Swar Madhuri Inter Collegiate Classical and Natya Sangeet Competition.

2013 – 14

More than 150 students participated in the various activities – Dramatics, Music, Singing, Dance, Painting, Poetry Reading conducted by the Arts Circle.

Training Programmes and Workshops:

1. Dr. Mohan Deshpande conducted an Innovative Workshop on ‘World Music’. In this participatory Workshop, the members got exposure to folk, Indian and Western Percussion and Vocal Music
2. Alumni Sudhanwa Deshpande, Vighnesh Joshi, Gargee Kulkarni conducted training workshops for the Drama group.
3. Alumni Aditya Apte, Nikhil Hirulkar and Tanmay Velankar trained the Music group in Vocal and Instrumental Music.
4. Alumni Praneeta Natesan, Sandy conducted a Dance workshop.
5. Amit Bendre (Actor) and Jayesh Nandane conducted workshops on Acting.
6. Dr. Sadhana Natu conducted interactive workshops on Relationship with self, others and performing arts

Programmes and Competitions

- Painting Exhibition and Poetry reading was organized for all the students. Many paintings were exhibited and several students participated in Poetry Reading

Independence Day

- Group Singing and Group Dance on patriotic themes was conducted

Singing and Instrumental Music Competition

- 30 students participated in the competition. Nikhil Hirulkar and Pradnya Kokil Hirulkar were judges for the Singing Competition. Aditya Apte judged the Instrumental Music Competition.
- The following students were Prize Winners :-

Singing

First - Asmita Paste (SYBCA)

Second – Vikram Auti (FYBA)

Jayesh Nandane (MSc II)

Instrumental Music

First – Abhishaj Sajeew (FYBA)

Second – Rasika Kulkarni (MSc)

Participation in Inter Collegiate Competitions

- Suman Natya Vachan
- Lions club Pune Elite Singing competition
- Saregamapa Audition
- Pune Festival
- In synch Intercollegiate competition – Fergusson Alumni
- Infinity Wadia college
- Indira College Intercollegiate competition
- Astitva BMCC
- Rising Star – Dangat Yuva Mandal
- Vinodottam drama competition
- MIT School of Business Singing
- MIT College Singing
- Pune Idol
- Gayan Pradnya Shodh

- VIT Perception Idol
- AISSPMS Ashwamedh

Students Achievements - Prize Winners in Inter Collegiate Competitions

- **Satish Shirsat** (FYBA) singing prizes- Lions Club Pune Elite – Third prize, MITSOB Third prize, MIT Third prize, Pune Idol – semi - final, Gayan Pradnya Shodh – Consolation, VIT Perception Idol Second prize, AISSPMS Ashwamedh first prize, Saregamapa Audition Third round.
- **Amruta Gagare** (SYBA) Consolation prize in Suman Natya Vachan
- **Asmita Paste** (SYBCA) Consolation prize in Lions Club Pune Elite singing competition

Our Coordinators

Drama – Jayesh Nandane, Ketan Rakshe,

Music group – Abhishaj Sajeer, Asmita Paste

Dance group – Surabhi Kamble, Riddhi Karva

Fine arts – Prajakta Tale

Publicity – Sushmita Patra

Jayesh Nandane was nominated by the Arts Circle to the Student Welfare Committee of the College

Amruta Gagare was nominated for the Best Student Competition

Asmita Paste sang in the PE Society function and also Welcome Song and Pasaya dan for the last two years at the Annual Prize Distribution Ceremony

2014-2015

- Training programmes and Workshops
 1. Vighnesh Joshi and Sudhanwa Panse conducted training sessions on Acting and Voice modulation.
 2. Gargee Kulkarni spoke on Script writing and theatre in general
 3. Pranita Natesan, Tejashree Gugale and Sangram conducted sessions on dance
 4. Aditya Apte, Nikhil Hirulkar, Tushar Rithe, Sandeep Gurav conducted training in singing and instrumental music
- Inter Class Competitions in singing and dance were conducted in the college.

Winners in Singing competition

- First prize – Asmita Paste

-Second prize – Yogesh Dhumal

Winners in Dance Competition

-First prize – Parvez Sayyad

-Second prize – Devika Murali

- **Other participation**

Members of the Arts Circle participated in the Street play competition organized during Vividha.

Members of the Arts Circle sang the National anthem during Republic day programme in the college. Asmita Paste sang at the Kanitkar day function and the Annual Prize Distribution Programme.

- **Inter collegiate participation list**
 Suman Natya Vachan, Symbiosis College
 Lions Club, Pune Elite, singing competition
 Astitva Dance competition, BMCC
 Vinodottam Karandak
 Bharat Karandak
 Dnyanakranti Drama competition
 Dance competition IBMR college
 Precision singing competition, VIT college
 SSPMS College, Ashwamedh singing competition

MIT College, Battle of Bands
Smt Kashibai Navale college singing competition

• **Students' achievements at Inter collegiate level**

- ✓ Parag Suryavanshi- consolation prize in Suman Natya vachan
- ✓ Satish Shirsat - Consolation in Lions Club Pune Elite, 1st prize in MIT college, Battle of Bands, 2nd prize in Smt Kashibai Navale college singing competition, 2nd prize in Precision singing competition, VIT college SSPMS college, Ashwamedh singing competition
- ✓ Sharvari Sadavarte- Consolation prize in Lions Club Pune Elite
- ✓ Amit Gawade – Special prize for background music in Dnyanakranti
- ✓ Mrunal Pardeshi – acting in a commercial play 'Kuryat Sada Tingalam' by SP productions
- ✓ Ketan Rakshe- BEST STUDENT OF PERFORMING ARTS CIRCLE 2014-15, Member of Student Council and nominated for Best Student competition
- **Special Achievements**
- ✓ Asmita Paste and Satish Shirsat participated in auditions of Gaurav Maharashtra
- ✓ Alumni Pradnya Kokil and Tushar Rithe were finalists and participated in Gaurav Maharashtra
- ✓ Alumni Gargee Kulkarni Assistant Director of Fandry a movie that has won numerous awards in the country and abroad

2015-16

More than 250 students participated in the various activities – Dramatics, Music, Singing, Dance, Painting, Poetry Reading conducted by the Arts Circle.

Training programs:

Our alumnus Ketan Rakshe, Gargee kulkarni and Sudhanwa Panse conducted discussions, film and dramatics appreciation work shop for the members of drama group

Our alumnus Tejashree Gugale conducted a workshop on Dance

Our alumni Aditya Apte and Uday Suryawanshi conducted a workshop on Music

Special Program:

Renowned Music Composer, Singer and Instrumentalist **Jitendra** Kulkarni conducted an Interactive Session on Music appreciation for the students and faculty members on 3/9/ 2015.

Inter class competitions:

Singing and dance competitions were organized in August 2015. The judges were Ajitav Chakraborty and Sabyasachi Chatterjee for singing and Pranita and Saurav Pandit for dance.

The list of winners is as follows:

Singing:

Rupankar Chatterjee (First)

Kiran Kale and Suchitra Pednekar (Second)

Chaitany Shinde (Third)

Madhav Patil and Ninur Padung (Consolation)

Dance:

Yashwant Borhade (First)

Prajakta Kamble and Devika Murali (Second)

Saili Gosavi and Shubham (Third)

Aarti Kamble and Ninur Padung (Consolation)

Participation in Inter Collegiate Competitions was as follows:

- Suman Natya Vachan (2 teams)
- Sarpotdar Role play competition (2 teams)
- Drama competition organized by SPPU Student Welfare Department
- Dnyanakranti drama competition
- Lions Club Pune Elite Singing Competition
- ISBM music and dance
- MIT music and dance
- Achievers Jallos

In house participation:

Music and Dance group performed in Vividha 2016. They also performed for welcome and farewell functions.

Winners in Intercollegiate competitions and achievements :

Sarthaki Mategaonkar received a Special prize for acting in Dnyanakranti Karandak

Mrunal Patrdeshi has acted in commercial plays like Karti number one, Darling, darling and will be acting in an upcoming movie SEZ

Shashikant Thosar has acted in commercial plays and short films

Satish Shirsat sang and helped in Fund raising for farmers for Swarangan and NAM foundation.

Coordinators :

Music Group: Rajat Kumbhare

Dance Group: Shaheen and Surabhi Kamble

Drama Group: Parag Suryavanshi and Prashant Walke

Dr. Sadhana Natu

Report on Best Student Trophy

Instituted in the academic year 1999 – 2000, by Prof. (Ms.) Vijaya Kulkarni, in memory of her brother, Late Shree Prasanna M. Kulkarni, the Award is given to a student who is an all-rounder, fairly good in academics, is polite and courteous, one who participates enthusiastically in the various competitions and contributes to the activities of the college thereby becoming an asset to the institution.

Nature of the Award: The Award comprises of a trophy, a memento and a cash prize.

Objectives:

The prime objective of the Competition is to provide a platform to students to understand their true potential and mould their overall personality in such a manner so as to help them grow as responsible individuals and good citizens.

The Competition aims to-

- **Identify, motivate and encourage students to:**
 - participate in the academic, curricular and extension activities of the college,
 - achieve excellence in their performance,
 - inculcate a healthy and competitive spirit amongst the students and
 - nurture good values.
- **Recognise and acknowledge their efforts .**

Eligibility:

- Academic toppers from second and third year of UG course and first or second /final year PG program.
- A student nominated from Arts Circle/ NSS/ NCC/ Sports.
- The nominated student should fulfil the minimum eligibility criteria mentioned in the guidelines of the Competition.

Mode of Selection:

The Best Student of the College is chosen based upon his/ her academic scores, participation & achievements in extra-curricular and co-curricular activities, Mental Ability Test & Interview.

A detailed score-sheet is chalked out from the marks allotted based on academic achievements, awards won and participation in events at various levels.

Mental Ability Test: The Test comprises of questions on General knowledge, numerical and verbal ability. It is of 25 marks and 30 minutes duration.

Preliminary Interview: A panel of experts comprising of the Principal, Vice-Principals, and senior staff members interview the applicants and assess them on their sense of responsibility, self-confidence, general awareness etc. The best performers are then shortlisted for the Final Interview.

Final Interview: This is the main round of the contest where contestants have to face questions on diverse topics by an expert invited from the field of academics, research and or industry in the presence of the Principal. They are evaluated on the basis of their prompt and thought-provoking response on vital issues such as students' role in day-to-day affairs, presence of mind, their communication skills, sense of responsibility and overall personality.

An Orientation session is conducted for all the contestants prior to the Competition to appraise them about the nature of the competition.

Award Ceremony

The winner receives the Award during the Annual Prize Distribution Ceremony at the hands of an eminent guest and in the presence of his/her proud parents. The award comprises of a trophy, a memento and a cash prize.

Experts invited for the Final Interview

Some of the experts who have interviewed our students are Dr. Sunil Dhapte (YASHADA), Prin.Dr. R. Zunzarrao, Prof Jyotsna Ekbote, Prof. Suresh Todkar and Prof.Dr. Radhakrishna Pandit, Head, Dept. of Zoology, Savitribai Phule University.

List of Winners

Sr. No.	Academic Year	Name of the Student	Class
1	2011-2012	Prasanna Taare	SYBSc Biotechnology
2	2012-2013	Shraddha Sawant	TYBA Geography
3	2013-2014	Omprakash Katte	TYBCom
4	2014-2015	Priyanka Shendage	TYBSc. Microbiology
5	2015-2016	Omkar Indari	TYBSc. Biotechnology

Outcome of the Contest:

The contest is a good platform to identify students with true potential and nurture their skills. College records are proof to the fact how shy and introvert students develop their dormant skills and competitive spirit and zealously pursue their goals and ambitions. Many of our 'Best Student Awardees' are now well placed in their careers and are also active researchers, both in India and abroad. They are the pride of the college who help in fostering the new generation of students through their perpetual guidance and support.

Shampa Chakravarthy
Chairperson

**Report on
CENTRAL DOCUMENTATION COMMITTEE
2011-12 TO 2015-16**

INTRODUCTION:

Central documentation committee of our college is formed in the year 2010-11 to keep all the documents ready while facing the reaccreditation of our college. After completion of this reaccreditation our college has decided to make this practice regular and we have started gathering all the relevant documents from the concerned departments and committees. The following are the objectives of this committee...

1. To gather the yearly information from the various departments and activities
2. To develop the uniform and central system of data warehousing
3. To maintain the transparency and corporate governance at college level
4. To assist the various authorities in conducting academic audit
5. To protect the environment by avoiding the use of paper while documentation
6. To make extraction of information at ease as per the requirement.

SIGNIFICANCE:

Our college is having about 11 Departments and 42 committees which try to achieve the objectives of our institution. The institution is accountable towards the various academic authorities like Parent Body i.e. Progressive Education Society, Savitribai Phule Pune University, University Grants Commission, National Assessment Accreditation Council, Maharashtra Government and various funding agencies for research grants. Every year college is submitting AQAR Report to NAAC. The academic authority like NAAC is also verifying the stated information with the documentary evidences. It involves duplication of documentation and wastages of papers. Similarly IQAC department of our college is facing difficulties to compile the yearly information after every five years while approaching for the self assessment to NAAC.

The college has come to the conclusion after the second stage of our assessment to design MIS mechanism under **CENTRAL DOCUMENTATION** for all details of the information which is frequently demanded in the various formats by the academic authorities.

PRACTICE OF DATA WAREHOUSING:

- A. In the year **2011-12 to 2013-14** our Central Documentation committee had gathered the yearly college information under the format of '**COLLEGE AT A GLANCE**' from the various faculties and departments. The committee designed its format based on the experience of reaccreditation process of NAAC. This

format is revised every year that is based on the experience and suggestions from the authorities and faculties.

‘Central Documentation Committee’ have gathered information every year from all departments in the areas of academic programs, certificate courses, major activities, achievements of staff and students, extension, research, collaborative work, seminar and workshops organized for staff and students, financial assistance given to students, remedial coaching and road map along with the relevant documents.

The committee has gathered information every year from all the committee in charge along with the committee report and its relevant documents.

The committee was displaying the schedule of submission of hard copy along with necessary documents for all the departmental and committee heads at the end of every academic year in the month of March and April.

The committee prepared a complied report in the form of **‘READY RECKNOR’** for that concerned year.

After the continuous three year exercise of data warehousing our committee uploaded the information of all three years under **MODERN MIRROR under two heads like college at a glance with the names of various departments and another one is ready reckonor**. This **Modern Mirror** is helpful for us while preparing annual report for university as well as our management, Presentation of college profile, Knowing our strengths and weaknesses, designing a strategic plan for the college, NAAC report writing and facing their visit after every five years. In order to maintain transparency and simplicity anybody from college can access the information and use wherever it is needed.

B. In the year 2014-15 our Central Documentation committee had decided to adopt **‘DIGITAL DOCUMENTATION’** for a systematic collection of the data we have developed a uniform and standard format of documents in which every head of the department and committee in charge has to upload the information under three heads on **COMMON SERVER..CDC14-15**

1. **‘College at a glance’** for in detail information in the format
2. **‘Scanned Documents’** for stated information
3. **‘Images or Glimpses’** through photographs with the appropriate caption

All the heads of departments and committees were advised to upload the information within a given schedule. For this purpose all the heads were given **training of scanning** of the documents by the department of computer science as well as our college had provided the facility of scanning at the faculty heads and IQAC room.

All this information was uploaded under MODERN MIRROR containing two folders i.e. yearly CDC AND READY RECKONOR.

C. In the year **2015-16** our Central Documentation committee had decided to design ‘**MODERN EVENT KIT**’ by taking into consideration the needs of information and documents needed for Modern Mirror. Modern Event Kit is with a bunch of specimen of all standardize formats of all the formalities need to be completed every after an event which can be accessible on common server. It includes the following under the index of the kit..

- a) **Program Checklist**
- b) **Proposal to conduct an activity**
- c) **Information to Publicity In charge of the college**
- d) **Request for an advance**
- e) **Invitation to resource person or persons**
- f) **Registration of participants**
- g) **Attendance of the participants**
- h) **Format of the ‘Program Schedule’**
- i) **Feedback form**
- j) **Statement of an account**
- k) **Report of the program along with glimpses (photograph)**
 - A copy to modern mirror**
 - A copy to publicity in charge**

OUTCOME OF THIS PRACTICE

We found the following benefits out of the exercise of ‘Best Practice’ towards environmental consciousness...

1. PAPERLESS DOCUMENTATION

We found that not a single paper was used for documentation and thus we have saved a big stack of papers.

2. MAINTAINING CORPORATE GOVERNANCE

The whole information is available on common O’ server under Modern Mirror. It is easily accessible by Principal, office and various departments any time whenever it is needed. We maintained security by restricting it’s editing at the hands of Central Documentation Committee and Principal only.

3. FACILITATING ACADEMIC AUDIT

In the academic year our parent organisation first time introduced academic audit of various institutions to understand the SWOC analysis and taking the necessary steps to improve the overall performance of the institutions. The Modern Mirror has assisted us while facing the academic audit and self appraisal of our college. It has helped us to gather all the relevant information.

4. EASY TO DESIGN A ROAD MAP

Modern Mirror is giving a consolidated blue print of our progress report which is helping us in designing our road map for the next years.

5. CORDIAL RELATION WITH THE FACULTIES

It has helped to reduce the stress on faculties while requiring the information and documentary evidences and helped us in maintaining the cordial relationship amongst them.

Vijayalaxmi Kulkarni
Chairperson

Competitive Examination Guidance Cell

The College has a separate cell for providing guidance on various competitive examinations.

- **Objective of the Cell**

Competitive examinations provide a variety of employment options for the students. It is observed that overall student population from Maharashtra is not aware of all the opportunities available to them. Generally, the students start preparing for such exams after their graduation. That doesn't help the students in passing through the exams. In order to make the students aware about these exams and to equip them with the required knowledge, the college has set up Competitive Examination Guidance Cell.

- **Mechanism / functioning of the Cell**

Through this activity interested students get guidance to prepare for a variety of competitive exams (UPSC, MPSC, NET/SET/ GEE/ GRE/ CDS, Banking etc.), group discussions and personal interviews. The Cell collects data about students and the exam they are interested in, so as to provide focused guidance to interested students.

The functioning of the cell is based on Graduate Excellence Exam (GEE) pattern.

GEE is a preparatory exam for all the competitive examinations.

Activities conducted by the cell

Surveys were conducted to understand student preferences about competitive examinations

Guest Lectures by eminent scholars and government officials those who have cleared such examinations on Preparing for competitive examinations, Human Rights, Different Study Techniques for cracking MPSC, Preparing for Police Sub-Inspector and Sales Tax Inspector Exams, TOEFL Scholarships

Study Circle: Procured Text Books of Mathematics, English and Mental Ability and Paper Sets and additional material of Scholarship Examinations so as to provide additional practice material to the students. Also weekly lectures on Mental Ability and Mathematics were conducted. This helped students in solving problems and papers. Also individual queries were solved.

Support for external examination: Conducted State level entrance exam of ACEC, YASHADA, Pune jointly with Centre for Talent Search and Excellence, Wadia College, Pune. 350 students appeared for this exam in the centre of our college in 2014-15, 600 students in 2012-13

Graduate Excellence Exam: 38 students from the college appeared for Graduate Excellence Exam conducted by Centre for Talent Search and Excellence Pune.

Co-ordinated the National level Intercollegiate General Knowledge Exam organised by Yashwantrao Mohite College. 65 students appeared for the exam.

In-house faculty members guided the students on various related topics. The library has a good collection of related books which were made available to the Students.

Gauri Kopardekar
Co-ordinator

Report on Counseling Centre

Objectives:

- Offer Individual Psychological Counselling
- Conduct Skill Workshops like Life Skills, Study Skills
- Offer Vocational and Academic Guidance
- Conduct Premarital education and Gender Sensitization workshops

Mechanism:

- Referral Committee of Staff Members
- Publicity of the services offered by the Cell through the prospectus, College website, Disha Psychology Circle
- Referral to Psychiatrists if clients need medication

Outcomes:

- Excellent response for individual counseling, including complex cases
 - Outreach of several hundred is achieved every year through our skill, education, sensitization workshops
 - Addressing issues of suicide attempts, cross referral from psychiatrists very effectively
1. Individual Psychological Counseling Cases :- related to familial, inter personal relationship, personal psychological and clinical issues
 - Students - 10 Sessions for 1 M Sc. Chemistry student, 4 Sessions each for 4 BA students, 2 Students from BCA 4 Sessions each, 1 student from BCA 10 sessions, 2 students from B Sc Computer Science 2 Sessions each, 1 student from M Sc Microbiology 2 Sessions
 - Staff Members – 2 Members 4 Sessions each
 - Nonteaching Staff Members – 2 Members 2 Sessions each
 2. Individual Vocational Guidance Cases:-
 - To 6 students about career path after graduation as well as academic skills and study habits
 - To 4 Alumni about courses after graduation and skills required in post graduation
 3. Life Skills Education Workshop:- focusing on decision making, preparing for personal and professional life management for M Sc. Biotechnology Students, M Sc Microbiology Students, M A Economics and M Com Students
 4. Motivational Training :- for students of all the faculties on one on basis
 5. Organized programmes on Premarital Education and Careers after BA for BA students
 6. Individual Psychological Counseling Cases : related to familial, inter personal relationship, personal, psychological and clinical issues
 - Students – Arts - 6 students for 6 Sessions each, Commerce – 2 Students for 4 Sessions each, Science - 2 Students for 6 Sessions each, BCA - 2 Students for 4 Sessions each

- Staff Members – 2 Members 4 Sessions each
 - Nonteaching Staff Members – 2 Members 2 Sessions each
7. Individual Vocational Guidance Cases:
 - To 10 students about career path after graduation as well as academic skills and study habits
 - To 5 Alumni about courses after graduation and skills required in post graduation
 8. Combined Defense Services Examination: Services Selection Board Training for group Discussion and Psychological Interview to a group of Students
 9. Motivational Training : for students of all the faculties on one on basis
 10. Organized programmes on Premarital Education and Careers after BA for BA students
 11. Discussion and Orientation : with M.Sc. Department Heads and Select Staff Members about Psychological Crises faced by PG students
1. **Individual Psychological Counseling Cases** : related to familial, inter personal relationship, personal , psychological and clinical issues
 - Students – 12 students (Arts, Science, Commerce and BCA) for Primary Session followed by 3/ 4 Follow up Sessions
 - Staff Members – 1 Member 2 Sessions , 1 Client referred by Staff Member
 - Nonteaching Staff Members – 2 Members Children 2 Sessions each
 2. **Vocational Guidance :-**
 - Individual Guidance to 6 students about career path after graduation as well as academic skills and study habits
 - To 4 Alumni about courses after graduation and skills required in post-graduation
 - Orientation to Aptitude tests and General Mental Ability Tests to FY, SY and TY students
 3. **Combined Defence Services Examination – Services Selection Board** Training for group Discussion and Psychological Interview to 3 Students
 4. **Motivational Training :-** for students of all the faculties on one on basis
 5. Organized programmes on **Premarital Education and Careers after BA** for BA students
 1. **Individual cases** - Dr. Natu has seen 13 cases with a minimum of 2/3 follow up sessions.
Dr. Suvarna Bobade has been appointed since, March 2015 to assist with counselling. She has seen 4 clients with two follow up sessions each.
 2. **Vocational guidance** – 2 students from Arts faculty were given guidance
A session on Careers after B.A was conducted for Arts faculty students.
Alumni were also given career guidance. Orientation for aptitude and general mental ability tests was conducted for all the students of arts faculty.
 3. **Pre -Marital Education** workshop was conducted for female students by Dr. Natu and Dr. Bobade in Feb, 2015.
 4. **Study skills** workshop was conducted by Disha coordinators for all the members
 5. **Life skills** workshops were conducted for T.Y.BSc. Maths and MSc. Chemistry students by Dr. Natu

6. **Outreach** – A session on ‘Problems in parenting’ was conducted for mothers of our students. 50 mothers attended this programme. **Slow learners** – 2 such students and their parents were given guidance

The Counselling Cell offers a range of services like Individual One on One Psychological Counselling, conducting Study Skills and Life Skills workshops, conducting sessions on vocational guidance and premarital education. These activities are conducted by the Department of Psychology.

The details about this year’s functioning are as follows:

1. 30 students of Arts, Science and Commerce came for multiple sessions of Individual Counselling
2. 8 Sessions of Study Skills for 400 students from the following courses : Chemistry, B Voc, Biotechnology, Psychology
3. 1 Session of Life Skills for 35 female students of M Sc. Zoology
4. Premarital counseling and Career guidance for Arts students
5. Vocational Guidance and academic inputs to 10 students
6. 3 Staff members came for counselling

Dr. Sadhana Natu conducted a Gender Sensitisation Session where Heads of Departments, Vice Principals and Principal participated. Deliberations on gender issues and the Anti Sexual harassment Act took place.

Dr. Sadhana Natu conducted a session for Mothers of students on Challenges in parenting of Young Adults organized by the Student Welfare Committee.

An orientation session was conducted by Dr Sadhana Natu for Assistant Counselor Dr Suvarna Bobade to familiarize her with College Mental Health Issues.

Dr Sadhana Natu was assisted by Dr Suvarna Bobade in Counselling and conducting workshops.

Dr. Sadhana Natu
Chairperson

Report on Feedback analysis committee

1. Introduction

Most educational institutions, around the world, collect some type of feedback from Students about their experience of education. 'Feedback' in this sense refers to the expressed opinions of students about the service they receive as students. This may include perceptions about the learning and teaching, the learning support facilities (such as, libraries, computing facilities), the learning environment, (lecture rooms, laboratories, social space and university buildings), support facilities (refectories, student accommodation, health facilities, student services) and external aspects of being a student (such as finance, transport infrastructure). Student views are usually collected in form of 'satisfaction' feedback. Sometimes there are specific attempts to obtain student views on how to improve specific aspects of provision or on their views about potential or intended future developments but this is less usual.

To make an effective contribution to internal improvement processes, views of students need to be integrated into a regular and continuous cycle of analysis, reporting, action and *feedback*.

2. Purposes of Feedback

- 1) To know about the situation in the past that will influence an occurrence of the same in present & future.
- 2) To improve the quality of student learning, how to respond to particular need & characteristics.
- 3) To achieve goals & objective to improve effectiveness.
- 4) Identify strength & weaknesses.

3. Constitution:

The feedback committee constitution is as follows:

- | | |
|-------------------------|--------------|
| 1. Dr. Pallawi Bulakh | Chair Person |
| 2. Mrs. Ranjana Shevkar | Member |
| 3. Ms. Deepali Tamhane | Member |
| 4. Mr. Niket Tajane | Member |

4. Functioning

The mechanism we have followed is as follows:-

We have categorised feedback into following categories:-

- 1) Curricular Aspects
- 2) Parents Feedback
- 3) Alumni Association
- 4) Infrastructural Facilities
- 5) Teachers Evaluation by students.
- 6) Employer's Feedback
- 7) Library Feedback

Keeping in mind the various aspects related to above categories, the forms of each category is designed & the forms are distributed to students by sampling the student. Sampling of student is done in following manner:-

- 1) Regularity of student.
- 2) Different intellectual level (Understanding Capability).
- 3) Different Background (Socioeconomic).
- 4) Keen interest in subject.
- 5) Interactive capability.

The final analysis of each category of feedback is done by the data provided by each student & interpretation done based on these analyses will be forwarded towards higher authorities. Then the report is put in IQAC for further discussion. After thorough analysis and rigorous discussion the report is submitted to LMC. At the same time the feedback is also communicated to respective stakeholders. The minutes from LMC are forwarded to BC. A detailed review of report is taken and accordingly strategies for corrective measures and further improvement are decided and forwarded to institution for implementation.

1) Curricular Aspects

We have conducted the feedback analysis on curricular aspects. According to the data collected we have plotted the graph for each question in the form and percentage wise analysis of each question is done.

Accordingly more than 83% students feel that there is correlation between the syllabus studied in the last year and syllabus studied in the current year in an excellent manner only 17% students feel it in an average manner.

The opinion about the difficulty level of syllabus is 82 % “appropriate” 10% “difficult” & 8% “normal”. 90% students feel that there is ample amount of books specified for the respective syllabus in college.

2) Parents Feedback

The parents from suburbs around college are educated as following.

55% secondary ,11% primary,21% graduate,7% postgraduate,6% other

All most all parents feel it proud to take the admission for their ward in the Modern College Ganeshkhind. Around 70% parents agree that the college admission procedure is fair and accurate. More than 70% feel that the discipline in the college is good and atmosphere in college is of learning and they found a positive change in their ward after joining the college. Also more than 60% parent regularly visit college website and found it informative.

3) Alumni Feedback

The feedback taken from alumni that 90% of alumni feels it proud to be part of Modern College Ganeshkhind. 65% of alumni agree that our college has played a vital role in strengthening them academically. 73% students agree that they have still a role to play in the Modern College and also 50% students strongly agree that this college has inculcated moral ethical values and life skills in them.

Alumni feel very much satisfactory about the working of Anti-ragging committee, Anti-sexual harassment committee. Also 80% alumni are happy with various coaching like Remedial coaching, Spoken English coaching & so on.

4) Infrastructure Feedback

95% students are satisfied with the services like receiving the marking statements in time, availability of enough drinking water, student amenity centre. Also more than 80% students satisfied on proper use of suggestion box, proper working of laboratory equipment, functioning of placement cell. Moreover around 50% students are aware of first aid box, special facility for physically challenged student and parking services, also fire extinguisher facility.

5) Interpretation and Corrective measures

From above analysis it is observed that we need to improve the infrastructure facilities for students. Also the level of satisfaction of students about the curriculum can also be increased by involvement of students and faculties in restructuring of syllabus. The alumni contribution towards development of the college can be increased by active involvement of alumni in functioning of college.

As far as the parents' education is considered, there is very little percentage of parents who have opted for higher education. There are more than 50% parents who have completed their studies till secondary and higher secondary only. Still they do have desire to provide higher education to their ward which contributes positively towards the Gross Enrolment Ratio of nation.

Gender Champion Report

As per the guidelines of the UGC and Savitribai Phule Pune University, we have constituted a Gender Champion Club.

Gender Champions have been selected by following the norms laid down in the guidelines and a staff member has been appointed as Nodal Teacher. The details are as follows:

Gender Champions:

Shivani Vani (SYBA, Psychology Special)

Hemant Raghoonauth (SYBA, Psychology Special)

Nodal Teacher:

Dr Sadhana Natu (who has been working in the area of Gender and Psychology for the last 25 years and is the head, Department of Psychology)

Activities conducted so far:

1. Group Discussions on Gender and Sexuality with the students under Disha, the Psychology Study Circle
2. Students have written numerous articles and done information dissemination about gender equality in Kaleidoscope the student magazine of the Department of Psychology as well as in Akanksha in the college magazine
3. Shivani and Hemant have facilitated group discussions on How to build Self Confidence and How to deal with the barriers of gender and poverty disadvantages
4. Workshops for boys on Growing Up male have been conducted by Anand Pawar and Milind Chavan, activists working on gender equality.
5. Premarital counselling and gender issues have been addressed under Vidyarthini Manch
6. Films on Gender and Violence followed by discussion have been organized in Disha Psychology Study Circle
7. Students have participated in the 8 March rally for Gender Equality organized in the city to mark International Women's Day.

Dr. Sadhana Natu
Chairperson

Grievance Redressal Cell

Formal Grievance Redressal Cell was Formed Consisting Principal, Management Representative, Vice principals of all Faculties, Information Officer, Student Welfare officer, Office Superintendent, Representatives of Nonteaching Staff & Students Representatives

The Stake holders are informed about the Working of Redressal Mechanism through Prospectuses, Notices and Circulars. Grievances & Suggestions are gathered through Suggestion Boxes, Emails, Students applications and Parent Teacher Meet.

Suggestion Box is Available for Staff Members & Students who want to remain anonymous and yet wants to give Complaints a Suggestion with Respect to Improvement of academics, administrative mechanism or about Infrastructural needs the Cell gives equal justice to all stake holders.

Suggestions received through Feedbacks from Stake holders are also considered by the cell.

Objectives of the Committee are –

- 1) To encourage Students and Staff Members to express their problems freely
- 2) To advise Teachers to Consider Feedback Positively and take Appropriate Action
- 3) To Advise Students to Respect the Right and Dignity OF Others
- 4) To Improve Academic, Administrative Functioning and Infrastructural Amenities Provided

Grievance Classified as

- By Students
- By Teaching Staff
- By Non Teaching Staff
- And Other Stake holders

Suitable Corrective Actions are taken

Dr. Jyoti Gagangras

Anti Ragging Cell

Anti Ragging Cell is Formally Constituted as per guidelines of University Grants Commission , Government of Maharashtra ,Department of Higher Technical Education and Savitribai Phule Pune University .it Consist of Ten Members which Include Principal,Vice Principal, Office Superintendent , Student Representatives (Boys and Girls) and two Parents Representatives Besides these Members

Mrs. Varsha Shinde (P.I. Chaturshrungi Police Station)

Advocate Chintamani Ghate (Management Representative)

The Objectives of the Cell Are -

- To Prevent Incidences of Ragging
- To Create Awareness about Consequences of Ragging
- To Take Corrective and Disciplinary action in the case of Ragging
- To Provide Support to the Affected Students

College Disseminates Information about the cell through Prospectus, Display Boards at College Campus, and at the time of Admission Undertaking is taken from the Students that they will not indulge in Ragging. The Students are informed about working of the Cell through Notice Circulars and Display Boards.

Beside this college has Formed Anti Ragging Squad, it Take Rounds in the College Campus. No Serious Ragging Incident has happened so far, Miscellaneous Incidents are deal as per the Guidelines.

Mrs. Swati Kandharkar

Internal Quality Assurance Cell : A Think Tank for Quality Enhancement

IQAC is at the helm of quality enhancement and sustenance initiatives at the institutional level. It is working as a think tank giving representation to all the concerned stakeholders. External experts from Management, Industry and Government being the part and parcel of the IQAC, participate in discussions and give suggestions for improved functioning of the institution. Other stakeholders like students and alumni do contribute towards quality improvement through their active participation in IQAC and other student-centric activities. All stakeholders have joined hands to escort the functioning of our institution in a desired direction.

Proactive measures for developing an academic and research culture : so as to provide affordable short-courses to meet specific career needs and to provide options for mobility between different sectors, a proposal for '**Community College**' was presented to the Ministry of HRD. A couple of courses on Image Building and Banking were presented for '**KAUSHAL Kendra**'.

IQAC has presented a proposal for '**College with Potential for Excellence**' to UGC. Considering our strengths, our college was shortlisted for the interface meeting.

Academic Enrichment : The institution has ventured into newer areas of teaching-learning. Considering the need for starting skill development courses, the college approached National Skill Development Corporation (NSDC) for a new and skill driven vocational courses. Accordingly vocational degree course in Green House Technology and Food Processing Technology has been started with the funding from UGC. Also a course on Animation was envisaged to match the emerging demands of the society. Career based certificate courses run by the college have proved be beneficial for science graduates.

It was IQAC's initiative to start over 20 skill based short term courses. Different departments plan to run these short term skill based courses so as to hone skills of students in different areas and to make them ready for employment.

Strengthening Research: IQAC sensitized, encouraged and supported faculty members for presenting research proposals to various funding agencies for extramural support. Consequently, the college has marked substantial growth in terms of research activities as indicated by a steep increase in the number of funded research projects and publications in last five years. Besides, the college received grants from Department of Science and Technology, Government of India under DST-FIST Program for improvement in infrastructure and supports from Department of Biotechnology (DBT) (Star College Scheme) as well as from the University Grants Commission (UGC) (developmental grants), which has resulted in an unprecedented growth in terms of infrastructure developments in the college.

The college has taken sincere efforts to **upgrade its existing infrastructure**. Notwithstanding the impediments of physical expansion, the college headed for some planned renovation that included the laboratories, college office, BBA (CA) laboratory, classrooms and faculty room. The new administrative set-up was upgraded with latest office software for smooth functioning. The college laboratories have been renovated with ergonomics in mind. This has aided in proper utilization of space thereby making the labs more conducive to carry out experiments. Library resources have also been enhanced remarkably and is sufficiently automated. Taking cognizance of growing demands for technology-enhanced teaching- learning process,

the classrooms have been equipped with LCD facility. In order to address accommodation needs of students from outside Pune, the parent body has made a provision for a spacious hostel separately for girls and boys.

Continuous up-gradation of academic resources has been compounded with various other facilities on the campus. The IQAC is sensitive towards the needs of persons with physical disabilities. Special provisions have been made in the campus so as to meet their special needs.

Health, fitness and sports play a very crucial role in the overall personality development of youth. College has provided an international standard synthetic basketball court. The institution has devised a disaster management plan with the help of experts and made provisions for emergency exits. Periodic inspection and maintenance of electric appliances and power points and civil work is conducted.

IQAC was also instrumental in carrying out different **Examination reforms**. Bar coding system which was initiated at the university level is efficiently implemented in the college. Awareness programmes were organised to sensitize staff members about these reforms. Also, use of technology and vigilance during filling up of examination forms helped avoid any mistakes in the admit cards of the students.

Emphasis on Extension : as part of **institutional social responsibility**, the IQAC plans a variety of social outreach programmes for different stakeholders.

IQAC plans interactive sessions with parents. An innovative series of programmes called '*Aai Mazya Mahavidyalat*' was organized. The objective of this activity is to invite mothers to the college so as to familiarize them with the ambience of the college and to provide an interactive platform for them. In these interactive sessions, lectures on health and parental role were organized so as to sensitize them on matters of concerns. Considering the number of students hailing from farming background, a get-together of parents from farming background viz. '*Kisan Palak Melawa*' is organized. *Vividhaa* an annual exhibition cum sale is organized jointly with Alumni Association that provides platform for students to showcase their entrepreneurial talent. The college organizes NSS winter camp in a village in the vicinity of the college and helps villagers for undertaking construction of toilets and contour bunds. The college organizes awareness lectures on various issues for the benefit of villagers. In collaboration with the Adult Education Department of the University, the college organizes workshops for senior citizens, women self-help groups and unorganized labour. Environmental issue are a matter of a great concern and the college direct all its activities in addressing these issues.

Student Satisfaction Index : The measurement of student satisfaction is useful for institutions to bring out its strengths and to identify the areas for improvement. Satisfaction ratings are acquired by means of feedback from stakeholders including students. It incorporates different criteria such as teaching assessments, learning experience, other aspects like curriculum, infrastructure, teaching-learning methods. The feedback from students is statistically analyzed and student satisfaction index for above mentioned aspects is generated.

The college in its pursuit of excellence has drawn out stated objectives that get translated into reality by visionary leadership and good governance at institutional level. The Management, the Principal, IQAC, staff and students of the college and all stakeholders work together towards achieving its goals.

Parag Shah, Coordinator

N C C

National Cadet Corps is a Tri-Services Organization comprising the Army, Navy and Air Force, engaged in grooming the youth – “The Leaders of Tomorrow” – into disciplined and patriotic citizens.

Aims and Objectives:

National Cadet Corps is a novel initiative undertaken by the college which aims at inculcating the significance of discipline, patriotism and core values in the young students of our college.

Presently there are 30 students in the college who have sought admission to NCC. Out of these 30 students, 23 are in Army, 6 in Navy and 1 student is in the Air Force.

All these students have to participate in weekly parades taken at NCC Head Quarters and at NDA. In these weekly parades the NCC cadets have to undergo different types of activities like exercises, drills, physical training as well as they have some lectures on discipline and how to perform better in NCC.

Many of these NCC cadets have attended ATC camps held at different places across India. Some of them attended a camp held at KanhePhata in October 2011. The cadets participate in a variety of activities in such camps and get a lot to learn from these camps. They participate in competitions, debates and many other activities apart from regular parades and physical training. In a way NCC camps prove very useful to these cadets in the overall process of their personality development.

Our college takes pride in the notable achievements of our students in NCC. NCC cadet AnujShinde of F. Y. BCA **participated in the Republic Day Parade at Rajpath, New Delhi, on 26th January 2012.** Another NCC cadet, TejashriKamble of S. Y. B.Com was awarded a Gold Medal in Sailing at Chilka, Orissa and two Silver Medals in Rowing at State level.

MuskanShaikh of FYBA was selected at the Regional Level Camps for selection of cadets for Republic Day Parade.

Prof. S. K. Sanap

Placement Cell : 2011-2016

Objectives of Placement Cell

- To place the students according to their areas of interest in organizations/institutes.
- To guide the students for the development of soft skills through pre-placement activities.
- To bridge the gap between college and industries.
- To increase awareness amongst current students about placement opportunities in industries and various skill-sets required.
- To determine opportunities for Arts and Commerce UG students in Service and Banking Industries.

Placement Mechanism

College has Placement cell for UG and PG students. Variety of activities are arranged under the placement cell like Conducting aptitude tests, seminars, Group discussions, guest lecturers by Industrial experts and Soft Skill workshop.

The placement committee takes efforts to call the companies for campus placement. A communication is through HR Group by telephonic contact, mail or visit to company. The student database is forwarded to the Industry or company as per their requirement. Some of them provide Industrial training and campus recruitment. As per their policy they short list the student. After finalization of date and time, the Company conducts campus drive in the college premises or they call the students at their premises. Those students who are through the aptitude test they are qualified for next round like technical and HR interview. Once a student is placed in one company then he/ she is not allowed for the other companies drive.

The event “**Industry Connect**” is an ongoing activity of the Placement cell in the college from the last two years. The purpose of this activity is to bridge the gap between the Industry and the academia and to make the student industry ready at their final year. Resources from various industries are invited to interact with the students. They guide our students and inform them about how they should prepare themselves to be fit in a particular industry. They inform the students about the skillset required to acquire in order to sustain in industry environment. This event is organized for all the streams in the college.

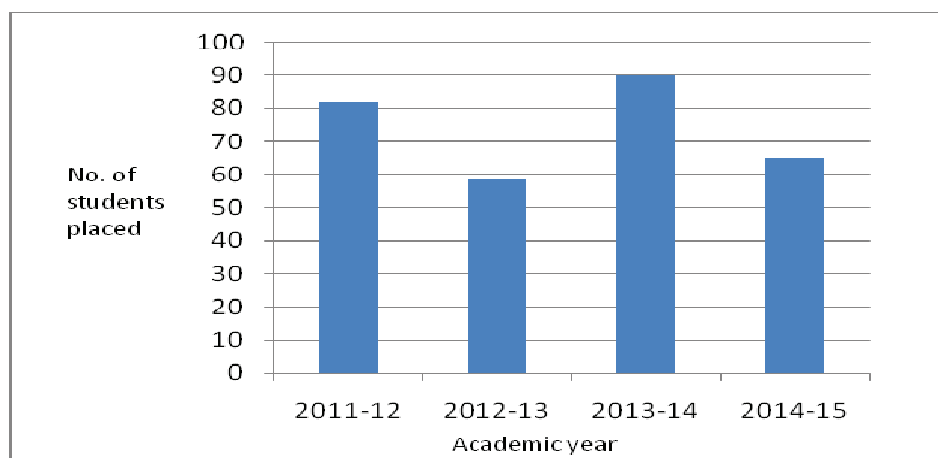
During these five years spans many companies have approached for the Placement Drive and have conducted the drive for our students. Following are few companies:

Webtech Developers	Xentos	Wpoets
QuickHeal	Aftech	Trident
Avion Technology	Patni Computers	Herbniger
Webtech Developers	Bitwise	Drivage
Harbinger Group	Godwite	FTB
Arxxus Technology	Vertex	101Apps

Omniscient Software Pvt. Ltd	Trident Infoservices Pvt. Ltd.	Webtech
AmiworksPvt Ltd	vertises	Zcon Solutions
Persistent System	Fin Techno Bridge	VSH Solutions
Ramac Infosys	Optra Technologies	Dimetrix

Placement cell information for the year 2011-12 TO 2015-16

YEAR	No. of students appeared for the Placement Drive	No. of Students selected through college Placement cell	Number of companies visited the campus	Total strength of final year students	% of the Placed students
2011-12	355	82	36	546	23.09
2012-13	240	59	40	654	24.58
2013-14	330	90	25	578	27.27
2014-15	207	65	28	670	31.40
2015-16	267	47+ still in process	30	705	In process



Placement Percentage from year 2011-12 to 2014-15

Varsha Bapat
Coordinator

Annual Prize Distribution Ceremony

This is the event where students who participated in various intra and inter-collegiate competitions besides University, State, National and International level. Students receive prizes for their excellence in academic, curricular, co-curricular, sports and extension activities at the hands of dignitaries present for the function.

In the year **2011-2012** College celebrated Annual Prize Distribution Ceremony on Tuesday, February 28, 2012, on the occasion of Science Day. Prizes were given away to students for their excellence in Academic, Sports, Cultural & extension activities at the hands of Dr. G. Srinivas, Joint Secretary, UGC, Western Region, Pune. Dr. G.R. Ekbote, Chairman, Progressive Education Society, Mrs. Jyotsna Ekbote, Dy. Secretary, P.E.Society, Prof. Suresh Todkar, Joint Secretary, P.E. Society, Prof. Prakash Dixit, Visitor, Modern College and Principal Dr. Sanjay Kharat. The programme was compered by Sandip Sanap. Prizes were announced by Sharayu Bhakre, Sneha Ogale and Vikram Phale. Dr.Rekha Gupta proposed the vote of thanks and co-ordinated the programme with Shampa Chakraborti.

In the year **2012-2013** Annual Prize Distribution Ceremony of our college was celebrated on 18th Feb 2013 in the college premises at 5.30pm. Dr. Sunil Shete, Joint Director of Technical & Higher Education, Pune was the chief guest of the function and Dr. Datta Mahadam Asst. Director Sports, University of Pune, Mr. Shirish Rane a Shiv Chhatrapati awardee grace the occasion as Guest of Honour and special invitee. Members of management of P.E. Society- Prof Suresh Todkar Chairman LMC, Prof Prakash Dixit visitor of the college and Mr. Hagawane were also present on the occasion. Prof Gauri Kopardekar compared the function and Prof Vikram Phale and Prof. Sangita Mahashabde announced the names of the prize winners while Dr. Rekha Gupta, Co-ordinator of the Prize Distribution Ceremony presented the vote of thanks.

In the year **2013-2014**

In the year **2014-2015** Annual Prize Distribution Ceremony of our college was celebrated on 28th February 2015 in the Progressive Education Society's Auditorium Shivajinagar, Pune at 12.00 noon. Dr. Seema Kakade Associate Director, HEMRL (DRDO), Pune,

was the chief guest of the function and Mr. UttamNale ,Shiv chhrashrapati award in Cycling an alumni of our college and Principal .ShobhaNikam grace the occasion as Guest of Honor. Programme was presided over by Dr. G. R. Ekbote (Chairman Business Council, P.E.Society) Prof.ShamkantDeshmukh ,Secretary P.E.Society and Members of management P.E. Society Prof.Mrs .J.G Ekbote ,Prof P. Dixit also graced the occasion by their presence. Dr.Jyoti Gagangras and Prof. S. Chakraborty compared the function and Prof Manisha Bele, Dr. Natu, Prof .Suru and Prof. Shendkar announced the names of the prize winners while Dr. Rekha Gupta, Co-ordinator of the Prize Distribution Ceremony presented the vote of thanks.

In the year **2015-16** Annual Prize Distribution Ceremony of our college was held on 16th January, 2016 on the College Ground at 11 a.m.

Principal Ashokrao Bhoite, Principal of Mahatma College of Arts Commerce and Science, Pimpri and former Pro. Vice-chancellor Shivaji University of Kolhapur was the Chief Guest of the Programme.

Programme presided over by Dr G. R. Ekbote (Chairman Business Council, P.E. Society) Prof. Suresh Todkar (Deputy Secretary P.E. Society) graced the occasion by his presence. Prof. Sujata Deshmukh compared the programme and Dr. Priya Gohad, Prof. Shradha Rahane, Prof. Ketaki Sarawate, Dr. Sadhana Natu announced the names of the prize winners.

Prof. Prerana Suru, coordinator of Prize Distribution Ceremony presented the vote of thanks.

Prof. Prerana Suru
Coordinator

Indian Red Cross Society & Youth Red Cross Five Report 2011-16

Indian Red Cross Society, Pune District Branch has been actively working for H.I.V. and Youth Peer Education Programme (YPEP) since 2003 in the Pune Region. Youth Peer Education Project is actively working in 20 schools and 20 colleges in the Pune Region. The YPEP chiefly tries to scientifically educate the youth about AIDS and HIV and makes them aware of the causes and remedies of AIDS.

Our college is actively working in collaboration with Indian Red Cross Society & Youth Red cross since 2011 and following activities were conducted in the last five years.

1. On the occasion World AIDS Day, on December 1st, 20 students of our college participated in the workshop held at Garware college, Pune.
2. Six students participated in the HIV and AIDS Training Programme Conducted by Indian Red Cross Society & Youth Red cross at its Head Office in Pune from 13th to 17th December 2011.
3. Six students participated in the First Aid and Disaster Management Camp held by Indian Red Cross Society & Youth Red cross at Surya Shibir, Khanapur.
4. Ten students participated in the Rally organized by Indian Red Cross Society & Youth Red cross on Cancer Day on 5th February 2012.
5. Six students participated in the Free Checkup Camp of HIV test conducted by Aundh Chest Hospital.

6. Participation and Prizes at National Camp, Kurukshetra, Harayana:

An Inter State Youth Red Cross Training Camp was organized at Kurukshetra, Harayana from 10th to 16th December, 2012. The performance of our college team, representing Maharashtra was wonderfully outstanding. Vishal Mundada, our student volunteer, was awarded the **National Best Youth**, Ankush Patil and his team bagged the second prize in group singing, Om Katte and Vishal Mundada came victorious in the Quiz Contest on First Aid and the entire team was applauded for the rangoli drawn on the valedictory function of the camp.

7. Two counselors participated in the Two Days Counselors' Training Program conducted by Pune District Branch of IRCS and International Committee of the Red Cross from 3rd to 6th December, 2013.
8. A Two Days Disaster Management Training Course was Conducted in Modern College of Arts, Science and Commerce, Ganeshkhind, Pune in which Indian Red Cross Society's experts Guided and trained our Red Cross Volunteers and college students on Disaster Management, First Aid Training, Rescue Operations etc.

9. Ten YRC Volunteers participated as well as worked as volunteers in the Two Days Disaster Management Training Camp held at Khanapur by IRCS, Pune District Branch.
10. Four volunteers participated in Fund Raising on 5th January 2014, for thalassemia patients regularly treated in the IRCS Hospital of Pune District Branch.
11. Five YRC volunteers visited 4 NGOs and volunteered Blood Test Program there on 25th March 2014 at Kanhe Phata near Talegaon working for the Rehabilitation of AIDS patients
12. Seven YRC volunteers participated and volunteered in the Free Health Checkup for the Varkaris assembled in Pune on their way to Pandharpur for the holy Ashadhi Ekadashi.
13. One counselor participated in the counselor's Training Programme on 11th October, 2015.
14. Nine volunteers and one counselor participated in the Vitiligo Awareness Marathon organized by Shweta Association on Sunday, 31st January, 2016. All volunteers and one counselor were given certificates and medals.

S. K. Sanap
Abaso Shinde
Coordinators

Research Committee

The College has constituted the research committee according to the UGC and guidelines of Board of College and University Development (BCUD) Savitribai Phule Pune University Pune. The College has constituted the research committee. The committee looks after all the requirements for the research work carried out in the college.

The Composition of the Research Committee is as follows:

Principal Dr. Sanjay Kharat:	Chairman
Dr. Ravindra Kshirsagar:	Coordinator
Dr. Jyoti Gagangras,	Member
Mrs. Shubhangi Joshi,	Member
Dr. Patil Sanjay,	Member

Recommendation made by Research committee during Academic Year: 2015-16

- To inculcate research attitude among the students.
- To make provision for financial support from the college budget for the research activities of the faculty and students.
- To assign responsibility to the committee members to provide research formats of all funding agencies and circulars to all the departments and to guide in preparing research proposal.
- Organization of State, National and International Conferences.
- To encourage teachers and students to participate in seminars and conferences, to publish research articles/papers and to participate in competitions like **AVISHKAR**.
- To make provision for purchase of chemicals and instruments required for research.
- Organization of Intracollege research competition: **Anubhuti**.
- To provide computer facility with internet connection in every department.
- To subscribe print and **e-journals**.
- To publish **research compendium** of papers published by the faculty every year.
- Organization of Avishkar orientation lectures for the researchers.

Impact of Committee on research activities:

- Increase in the number of faculty participation in writing research proposal to different funding agencies like **UGC, BCUD, SERB.ISRO, MOEF, DST, DBT, ISSR,**
- Organization of State and national conferences by the department like Economics Mathematics, Zoology and sociology departments.
- Number of research publications in reputed research journals has increased .Students of post graduate departments published their research work in reputed peer reviewed journals.
- Laboratory facilities are augmented with research equipments, computer and Internet facility.
- E-journals are subscribed.
- UG and PG students of the college participated in the AVISHKAR
- Organized lecturers of eminent speakers especially focusing on research aptitude and research methodology.
- The college has compiled the research articles of the faculty members in the compendium. This is kept in the library for students and others stake holders.
- Organized of Avishkar orientation lectures for the researchers of Pune district.
- Research Project Audit has been carried out.
- DBT STAR Scheme; lectures and DBT Week is organized by beneficiary departments of the college.

Faculty of the college is actively involved in the research Project. Following faculties successfully completed their research project and submitted their finding to the funding agencies in academic Sanction for Research Grant.

Year	BCUD	UGC	FIST	DST	OTHERS	Total
2010-11	993250	1015000	0	0	0	2008250
2011-12	993250	40000	0	0	384000	1417250
2012-13	1095000	445000	1380000	6300000	1234000	10454000
2013-14	397500	350000	1380000	1800000	1271000	5198500
2014-15	600000	250000	1380000	1800000	0	0
Total	4079000	2100000	4140000	9900000	2889000	23108000

Year: 2014-15 Minor Research Project: 7

Sr.	Name of the Researcher	Amount	Funding agency	Status
1	Dr.Sanjay Kharat	2,50,000	BCUD	completed
2	Mr.PathanDastagir	50,000	BCUD	completed
3	Dr.Awalgaonkar S.A.	1,23,552	BCUD	completed
4	Mrs.Kopardekar G.S	74,127	BCUD	completed
5	Mrs.Dhamdhere S.N.	82,954	BCUD	completed
6	Mrs.Joshi S.S.	36,786	BCUD	completed
7	Mrs.BeleManisha R.	27,889	BCUD	completed
	Total amount	6,45,308		

Ongoing and complete Research Projects during year: 2015-16:

Sr.	Name of the Researcher	Amount	Funding agency	Status
1	Mr.Namdeo Doke	60,000	BCUD	completed
2	Dr.Gagangras Jyoti	85,000	BCUD	completed
3	Dr. Mathur Shalini	200,000	BCUD	completed
4	Dr. Morwal Geeta	2,70,000	BCUD	ongoing
5	Mr. Sanap Sandeep	1,30,000	BCUD	completed
6	Mrs. Suru Prerana	50,000	BCUD	completed
7	Dr. Ravindra Kshirsagar	240,000	BCUD	ongoing
8	Mrs. SalunkheVaishali	1,65,000	BCUD	ongoing
9	Dr. Kharat Sanjay	440,000	UGC	ongoing
1	Dr. Inamdar Shakera	2,80,000	UGC	ongoing
11	Mr. Waghmare Mahendra	470,000	UGC	Ongoing
	Total amount	23,90,000		

Conferences/seminar/workshop

Department	level	Amount
Zoology	National	2,00,000/- BCUD
Economics	state	60,000/-BCUD
Mathematics	State	60,000/-BCUD
Sociology	University	30, 000/-BCUD
Sociology	workshop	10, 000/-BCUD
	Total	

Major research Project: 4

S. N.	Name of the Researcher	Amount	Funding agency	Status
1	Dr. Dharmadhikari Amita	12,53,600	UGC	ongoing
2	Dr. Vinaykumar	18,37,000	SERB	completed
3	Dr. Rekha Gupta/Vinaykumar	10,52,000	ISRO	completed
4	Dr. Vinaykumar	6,25,000	UGC	Ongoing
	TOTAL	47,67,600		

SR.NO	Minor Amount in Rs	Major Amount in Rs	Total
1	23.90,000	47,67,600	71,57,600

Year: 2014-15 Total Minor Research Project: 7

Ongoing and complete Research Projects during year: 2015-16:

Minor : 11

Major : 4

Total : 15

Dr. Ravindra Kshirsagar
Coordinator

Science Association

Science Association is established to develop interest of students in science, to facilitate understanding of science through different activities, to develop research and scientific aptitude in the students and to give exposure to different topics in science through hands on training and learning by doing.

Science exhibition ‘ANUBHUTI’ was organised every year under Science Association. The purpose of science exhibition was to give glimpse of research to students, to encourage innovative ideas and to improve presentation skills of the students.

The exhibition includes Project, Model and Poster Competition. Undergraduate and post graduate students participate in the competition.

Objectives of ‘ANUBHUTI’

- To provide a medium for popularising science.
- To provide forum for students to pursue their natural curiosity and inventiveness.
- To lay emphasis on the development of science and technology with eco friendly approach.
- To develop critical thinking about global issues.

List of scientists and faculty members involved in different activities of science association

Sr. No.		
1	Prof. Mr. D.B. Gaikwad	Department of Electronics, Modern College Shivajinagar, Pune.
2	Dr. Sunil Hande,	Assistant Professor, Department of Chemistry, H.V. Desai College, Pune.
3	Mr. Shrikant Pawar	NCCS, Pune
4	Mr. Ashish Patil	(M. Sc. Psychology and B. Sc. Microbiology)
5	Dr. Pandit Vidyasagar	Department of physics, university of Pune
6	Dr. Suneeti Gore	Department of Microbiology, Fergusson College
7	Mr. G.L., Sonawane	Department of Mathematics S.P. College
8	Dr. Pathade	H V Desai College
9	Dr. Sujata Patil	M. E. S. Garware College

Year wise number of students participated in science exhibition

Sr. No.	Year	No. of students participated in science exhibition
1.	2015-16	410
2.	2014-15	449
3.	2013-14	315
4.	2012-13	310

5.	2011-12	235
	Total	1719

Activities conducted

- On the occasion of wild-life week, efforts were taken to spread awareness about wild-life conservation
- The concept of **Seed Bank** was introduced to the students mentioning the importance of ‘seeds’, their role in establishment of green environment , significance of indigenous seeds and plants and their suitability for the species of birds, animals and insects occurring in our environment and importance of polygenic plants
- Students were made aware about simple solutions which they can follow to reduce environmental pollution
- Felicitation of research student

Films screened

- ‘Brain Games’ (Source - National Geographic Channel),
- ‘Animal Babies’ (Source - National Geographic Channel)
- **Beautiful People**’ (a movie on wild life)
- ‘**An Inconvenient Truth**’ scientific movie regarding climate change and global warming

Some of the Projects and posters presented by students are

Best of Waste
REFID Based Identification System
Green Chemistry (Biodiesel)
Nervous Control on Electronics Gadgets
Microbial Fuel Cell
Endocrinology
Bidirectional photoelectric system
C_PHP multi language editor
Crude oil and plastic plywood from waste plastic
Alternative source of electricity from bleaching powder
Bioremediation of municipal waste water by aquatic microflora
Nanorobotics and its applications
Gut provides gut- Endosymbiotic relationship between gut microflora and lepidophagous fish
Dog mouth flora and its morphology
Gir cow nurturing and conservation
Working model of X ray crystallography
Immune therapy in cancer by BCG vaccine
Plasto fuel
Control of water hyacinth by insect species <i>Neochetina weevils</i> ,
Wireless power transmission ,
Bio-wifi ,
Water level indicator,

Physics in cars,Wine making,
Smart city
Hydraulics
Nanoparticle synthesis ,
Stem leaf chart display of PMPML (Pune Mahanagar Parivahan
Mahamandal)bus time table,
Statistical analysis of students performance in internal examination,
Statistical comparison between children's schooling on the basis of parent's economical status
Seven bridges of Konigsberg,
Chemistry behind chocolate etc.

Outputs of the activities:

- Helps in understanding the concepts in science and making it more interesting for students
- Students get exposure to research activity and develop critical thinking.
- Enhances the creativity of the students through posters, model making.
- Builds confidence in students through presentation of own work.

Prasad Deshmane
Chairperson

SOFT SKILLS DEVELOPMENT PROGRAMME

‘We Galvanise Attitude’

Objectives:

- To develop effective communication skills, presentation skills and listening skills
- To overcome the phobia of speaking in English
- To inculcate a positive attitude
- To reduce harmful stress levels
- Personality development of students
- To empower students and thus enhance their employability

Soft Skills Development Programme includes sessions like SWOT analysis, Transactional Analysis, Group Discussions, Interview Techniques, Communication Skills, Time Management and Stress Management. This familiarizes students with mind control, healthy relationships, communal harmony, character building and nation building. Soft skills’ training provides a unique opportunity for all students to develop their personality and improve their communication and presentation skills. The programme focuses on those elements of training that require changes in behaviour and thinking.

It provides students with a strong conceptual and practical framework to build develop and manage teams, develop leadership qualities, time management and interpersonal skills. This training also helps students in developing a career-vision for them, plan it out properly and it is conducted effectively in very informal, interesting and interactive manner. This gives ample scope for students to interact with each other on a wide variety of issues and situations.

Training in soft skills has two parts. First part involves developing attitudes and attributes and the other part involves fine tuning communication skills to express ideas and thoughts. Students are made to realize their strengths and weaknesses so that they are able to grasp the true essence of development. They are encourage to take part in role-plays, games and puzzles that demonstrate the attributes needed for assertiveness, interpersonal relationships, negotiations, time and goal management, leadership skills and conflict management. Participants face mock interviews which are video-recorded. Each participant is given a feedback by the trainer.

Effectiveness of training session is enhanced through two-way feedback. Whenever necessary, the faculty gives feedback to individual student on his/her performance and to the class in general. In turn, students also give suggestions regarding content and delivery of training sessions so that improvements can be made from time to time. 208 students were benefited in the last four years.

Parag Shah
Chairperson

Staff Academy Report from 2011-2016

Introduction:

Staff Academy of the college arranges various programmes to enrich Culture, Research and academic awareness among the faculty. It has been initiated for the teachers' knowledge upgradation and becoming mentor. A teacher is a backbone of Every Institution. Staff Academy organises such programme which leads to professional development, Institutional development and subsequently for development of nation.

Objectives:

1. To conduct programmes in academics, Research and Welfare of Faculty.
2. To provide opportunities to upgrade knowledge in various fields.
3. To promote Research in Institution.
4. To establish a platform to share views, opinions and discussions for common purpose.

Outcome:

Sr. No.	Speaker	Date	title	Remarks
1.	Dr, Satish Pande Renowned Nature Lover and Radiologist	10/08/2011	Nature in Stones	Inauguration Correlation of Mother nature with human being
2.	Mr.Santosh Kumar, Mr.ArjunTailor, MrUjjawalMhaske	30/08/2011	Yoga	Keeping mind and body fir and inculcate positive attitude
3.	Woman Staff Members	08/03/2012	Womans Day	101 st international womans Day
4.	Prof. Prakash Dixit	03/07/2012	Challenges in front of Teachers	Inauguration
5.	Mr. Mandar Hinge Certified Financial Planner	20/09/2012	Financial Planning	Ways of Financial Planning
6.	Mr. Dhiraj Agarwal Mr. SuhasHonrao Volunterners of Shri ShrihariRavisjankars Art of Living	30/07/2013	Waves of Happiness	Inauguration - Meditation for stress management
7.	Dr.NitinDarade,Head Sane Care Madhavbaug	20/08/2013	Heart Diseses: Stress or Life style	Tips to take care of Heart

8.	Mr.Laxmikant and Shnkarishinde IETR	12/07/2014 to 13/07/2014	Unleashing Potential for Personal Effectiveness	Inauguration Participative lectures and games
9.	Prof. Nandkumar Nikam Principal,	18/08/2015	Benchmarking in Higher Education	Inauguration
10.	Teaching and non – teaching Staff Members	02/10/2015	Swachhata din	Rashtrapita M.K. Gandhi Jayanti
11.	Ashavan Adept Foundation	December 2015 2 days	Basic Computer operations and Security	Faculty Development Programme
12.	Teaching and non – teaching Staff Members	30/10/2015	Aashayghan	Entertainment Programme

Manisha Bele
Chairperson

Report on Student Welfare Department

The Student Welfare Department of the college is always proactive in rendering help to students of all faculties. This department truly represents the vision of the institute to make the students multidimensional as well as multifaceted which helps in harnessing their strength towards nation building and socially relevant activities.

Keeping in pace with the vision of the Board of Student Welfare of the parent university, various programmes and activities are conducted in the college. These programmes include:

- Earn and learn Scheme to make them financially independent and also to inculcate amongst them work culture.
- Disaster Management workshop makes them aware of the changing scenario of environment and the probable disasters and also are trained with the skills to survive and help others to survive in case of natural and manmade calamities
- Personality development scheme for girl students makes them aware of health and hygiene issues, gives them premarital counselling encourages them to become entrepreneurs and also helps them to excel in the competitive world.
- Swaramadhuri the interuniversity classical vocal singing competition promotes our traditional art.

Every year student members are inducted on the students' council of the college as per the guidelines of the Maharashtra University Act. The nominated members elect one of them as the University Representative. In addition to this, they elect Boys' or Girls' representative. These members give suggestions, help in planning and implementation of various programmes. They celebrate teachers' day. Programmes initiated and executed by the student's council are- Cleanliness drive in college campus, Drive for filling up of eye donation forms, Collection of funds for 'NAAM' foundation, a NGO working for families of farmers who have committed suicide. A student facility centre is run with the help of the students working in Earn and Learn scheme.

In appreciation of the above activities the parent university awarded "Best College ward for Student Welfare Activities" and also the "Best Student Welfare Officer Award" to our Student Welfare Officer in 2013-14. Thus, Our student welfare department truly nurtures students' mental, physical, cultural growth with various activities to improve their overall personality development and to make them civilized Indian citizens to compete in the globalized world.

Year	Nature of the Programme
2011-12	Earn and learn scheme
	Personality Development Scheme for girl students
	Swaramadhuri
	NET SET Training Workshop
2012-13	Earn and learn scheme
	Personality Development Scheme for girl students
	Swaramadhuri
	NET SET Training Workshop
	Disaster Management Workshop
	Career Guidance Scheme
	Nature Trail
	Indradhanushya- final selection round of youth festival
2013-14	Earn and learn scheme
	Personality Development Scheme for girl students
	Swaramadhuri
	NET SET Training Workshop
	Disaster Management Workshop
	Career Guidance Scheme
	Intercollegiate history Quiz- Kaun Banega History Scholar
	Awareness programme against ragging
	Placement workshop
	Haemoglobin and Blood group testing
	Trilingual Booklet printing
	Workshop for Mothers -Aai Mazya Mahavidyalayat
2014-15	Earn and learn scheme
	Personality Development Scheme for girl students
	Swaramadhuri
	NET SET Training Workshop
	Disaster Management Workshop
	Tribalal
	Workshop for Mothers : Aai Mazya Mahavidyalayat
2015-16	Earn and learn scheme
	Personality Development Scheme for girl students
	Swaramadhuri
	NET SET Training Workshop
	Disaster Management Workshop
	Tribalal Exhibition
	Poly house training
	Workshop for Mothers : Aai Mazya Mahavidyalayat
	Tribal Exhibition
	Cost Fest

Dastgir Pathan
Chairperson

Swaramadhuri

Swaramadhuri, an Indian classical vocal singing competition is held in the college since 1993-94. Being unique in itself it has been progressive as well. The competition is held in the memory of Late. Shree Shankarrao Kanitkar, founder of our parent society, Progressive education Society. To acknowledge our consistent efforts, Student welfare department of Savitribai Phule Pune University, has agreed to support the competition financially. Since then i.e. from year 2005-06 the competition is held under the auspice of Pune University. From its initial status as a university level competition we thought of broadening the scope of the competition and from year 2008-09 it emerged as a state level competition. The F.M. Radio station 'VidyaWani' of Pune University has agreed to be the media partners for the event from the same year. The scope was broadened by introducing the 'Natyasangeet Singing competition' in the same year.

After more than 20 years, still it is the only competition under Pune University which is devoted only to classical vocal music. This emphasizes its uniqueness. A number of eminent Personalities in the field of music visit institute for this event. Their presence is an inspiration to our students, participants and all of us. All of them explored the importance of practice, devotion and consistency to reach heights in the field. Padmashree Pandit Suresh Talwalkar, Pandit Vikas Kashalkar, Pandit Chota Gandharva, Smt. Sucheta Bhide-Chapekar, Smt. Malati Pande, Pandit Gajanan Watve are a few to name.

Keeping in mind the demand from the society, we have decided to further expand the scope of this competition and make it an open competition. We would thus be stepping into a new field of social responsibility, i.e. cultural enrichment.

Varsha Joshi
Chairperson

UGC Coordination Committee

UGC Coordination Committee of the college comprises of following members:

- Principal (Chairman of the Committee)
- One management member of Progressive Education Society
- One senior faculty member who functions as a Coordinator
- Two senior faculty members who are active in research

➤ The functions of the Committee are as follows:

1. To apply for various schemes declared by UGC.
2. To make proposals.
3. To plan disbursement of funds received from UGC.
4. To supervise accounting procedure.
5. To look after final settlement of grants.
6. To motivate teachers to apply for research schemes.

College was included in the list of colleges prepared under Section 2 (f) & 12 (B) in January 2009. Immediately college had applied for various grants. Following grants were received by the college in 11th plan (2007-2011).

Development Grant : Rs. 11 00 000/-

Merged Schemes : Rs. 37 30 000/-

Additional Grant : Rs. 24 00 000/-

Settlement of all these grants was done and No Objection Certificate was received for the same.

University Grants Commission has sanctioned two career oriented courses in 2011-12 namely

Certificate Course in Embedded System

(Department of Electronics) Rs 9, 00,000/-

Certificate Course in Applied Techniques in Industries and Laboratories

(Department of Microbiology) Rs 9, 00,000/-

There is good response from the students for both these courses. College is running it successfully for last four years.

Nine teachers were sanctioned minor research projects. All the teachers have submitted final reports and settled the grants.

In XII plan (2012-17) college received following grants.

Development Grant : Rs. 36, 95,950/-

Remedial Coaching for SC ST and OBC students : Rs. 10, 00,000/-

Grant to set up Internal Quality assurance Cell : Rs. 3, 00,000/-

Besides this College had also submitted proposals for Community College and KAUSHAL

One teacher was sanctioned major research project of Rs. 12, 53,600/- and four teachers were sanctioned minor research project in this plan.

The college received grant for organizing two national level seminars in Arts faculty and Commerce faculty. Faculty of Commerce organized seminar on Emerging Trends in Entrepreneurship: A Global Perspective. Arts faculty conducted seminar on Empowering Women in Higher Education.

The noteworthy achievement of the college is to receive grant of Rs 1.86 lacks to start Bachelor of Vocation course. College started Food processing Technology course and Green House Technology course from 2014-15.

The College was shortlisted for College with Potential for Excellence scheme. The interface meeting was attended by authorities and the result is awaited.

Shubhangi Joshi
Coordinator

Yuva Saptah Report

Yuva Saptah is celebrated on the occasion of Birth Anniversary of **Swami Vivekananad** on **12th January** every year. This day is celebrated as National Youth Day. It has been celebrated consistently from last 21 years in the college.

Objectives:

1. To inculcate the values in students.
2. To make students globally competitive to face the world.
3. To create social awareness among students.
4. To provide a formal platform to student to display their hidden talent and skills.

Sr. No.	Competition	No. of Participants	Remarks
1	Mehendi	158	
2	Handwriting	939	
3	Salad / Bouquet Decoration	76	
4	Rangoli	92	
5	Elocution	93	
6	Kaun Banega History Scholar?	623	
7	What's the Good Word?	40teams	Started in 2012-13
8	Poetry Reading	124	
9	Short Film	9 teams	(Started in 2014-15)
10	Poster	53	
	Total	2247	

Outcome:

1. Strong cordial relationship between teacher and students
2. Some students started their own business
3. 'Shabdgandha' self-composed poems of students published
4. Values are strengthened among students
5. Activity promoted creativity and Innovation among students

Manisha Bele

Post Re-accreditation Initiatives for Quality-sustenance and Quality-enhancement

A Journey towards Excellence.....

Pune city, in the recent few years, has transitioned into a corporate and technological hub. This transition has led to influx of students from various districts of the state of Maharashtra, from outside the state specially the North-East and also from countries like Bangladesh, Iran, Mauritius, and South Africa to name a few. Owing to its strategic location, diagonally opposite to the prestigious Savitribai Phule Pune University, it has been for the last 24 years the choicest destination for students living in the rapidly developing suburbs of Pune. The college has to keep pace with the growing challenges in the education sector compounded with a perpetual growth in its student force.

Setting Milestones in Academics - Design and Implementation....

As the college is an affiliated institute, we have a limited scope to design any curriculum; however, proactively the College came out with new curricular designs for short term courses. The college conducts a number of career oriented certificate courses with a view to enhance employability where the institute is free to decide the contents of the programme. Considering the need for undertaking skill development initiative, the college approached the National Skill Development Corporation (NSDC) for a new and skill driven vocational course which is the need of the hour. Accordingly in 2014-15, vocational degree courses in Green House Technology and Food Processing Technology have been sanctioned by UGC. The curriculum is as per the National Skill Qualification Framework (NSQF). These three year UG courses have multiple exits with Diploma, Advanced Diploma and B. Voc Degree. The skills required to be taught in these courses depend upon the particular sector.

Additionally, the college has developed a curriculum for UGC sponsored career oriented courses viz. **Embedded Systems** by the Department of Electronics and **Applied Techniques in Industry and Laboratory** conducted by Microbiology department. Curriculum has been designed for different autonomous courses such as **Office Automation, Spoken English and Modi Script writing**. The objective of such courses is to introduce career -oriented, skill enhancing add-on course that would equip the students either for a job or be self-employed. A couple of courses on **Image Building and Banking** were presented for KAUSHAL degree. For such courses, industry experts are also being involved in curriculum design. A course in **Travel and Tourism** by the Department of Geography was designed. Post Graduate courses in History and Sociology and Zoology have been introduced. For all these post graduate courses, a credit on Human Rights and Cyber Security has been suggested by the University; however, the contents were devised by the faculty so as to match the outline. Commerce Faculty involved a women entrepreneur while designing a collaborative course in health and beauty grooming. This has been jointly designed

with Lee's Spa, a Beauty and Health sector, recognized by NSDC. Also industry input was sought while designing skill-based courses in chocolate making, jewel-design and making of paper bags.

In the syllabus-making process at University level, six of our teachers are serving on the Board of Studies in their respective subjects. This number has increased from two to six in last five years. These faculty members have contributed in syllabus revision and making the syllabus industry friendly. 27 teachers have attended workshops at University and local level that guide them on syllabus restructuring. Thus, actively and by way of receiving the needed guidance, our teachers get involved in the curriculum design process. Department of Chemistry has organized a seminar so as to discuss and deliberate upon the need to revise the syllabus for the second year.

Academic Flexibility has remained a crucial aspect as it is seen in terms of skill development, academic mobility, progression to higher studies and improved potential for employability. Our college is a multi-faculty institution that offers UG and PG course in Arts, Science, Commerce, Computer Science and Biotechnology programmes. Due to obligatory nature, we have to offer core courses as per the university curriculum. However, the college offers a maximum academic flexibility for optional courses at UG and PG level. Considering the demand, an additional specialization in English and Psychology has been provided in the Arts faculty. A Choice Based Credit System and range of subject options have been offered for the Post Graduate courses in Arts, Science and Commerce faculties. Also lateral mobility has given within the framework of university rules as the students can switch over from the Science stream to Arts or Commerce stream and from Commerce to Arts at the entry level of UG.

Curricular Enrichment : as we are heading towards the era of customer delight, the education system needs to move towards providing enriching contents for the students, one of the important stakeholders. Considering the demands of industry, future employers and for enhancing global competencies of our students, the college is offering in-house course in Spoken English, Office Automation, Embedded Systems, Applied Techniques in Industry and Laboratory. Considering the potential demand for banking professionals, the college tries to educate and train students in the subject of Banking. It offers courses like Next-Gen Banking, Stock Market related courses, on-job training with Vidya Sahakari Co-operative Bank Ltd.

We at the college are aware that only class room teaching is not sufficient, but it needs to be supplemented with a number of activities that give an additional inputs for the benefit of students, make them aware of the practical and procedural aspects, providing them with hands-on training, learning by doing initiatives, giving them necessary exposure by way of organizing study tours and industrial visits. We have organized over fifty Guest lectures every year that give our students an opportunity to get a first-hand experience of learning from scientists and practicing professionals. We send our students to interview social leaders, activists, scientists and researchers as well. Almost every department has a niche student-centric activity that provides

them a platform to learn about emerging areas. We supplement the passive learning with exhibition and display opportunities where student perform, practice newer things and experiment a lot. We provide learning by sharing and learning through fun and games so as to make our students' learning as an enjoyable experience. To name a few, *Anubhuti*, a science exhibition, *Interaction* by Computer Science event, *Magnit* by BBA, *Banking Club* of Commerce students, *Disha* an *interdisciplinary platform* by the Department of Psychology and a *Psy-World* activity, *Flair* and an *English Corner* by the Department of English, *Essay Competition* by the language departments, *Jidnyasa* an interdisciplinary platform to fulfill the curiosity of Arts and Commerce students, *Tribal Exhibition* by the department of Sociology, *Mathematical Hockey* and the *Snakes and Ladder* by the department of Mathematics, *Zoocites* by the department to Zoology while the *Bio-zone* for the students of Bio-Technology. Some of these activities hold intercollegiate competitions that make our students aware about their competitors and a reality-check about where do they stand in the competitive scenario. Such enriching activities help in creating a healthy learning atmosphere in the college.

Enrollment of students : The college needs an increased number of students enrolled for the different courses that it runs. The college employs conventional and newer techniques in order to reach out to the prospective students. Information about our college is disseminated to the public through print and electronic media. As also the College Website provides a gate-way to the college information. Every year, a printed prospectus giving updated information about academic details is published and circulated at the time of admission; newspaper advertisements in regional and local dailies are published to attract the attention of the prospective students. Attractive fliers are circulated in the vicinity and in junior colleges nearby. Phone calls, emails and personal visits by candidates or their parents are entertained by the office.

Additionally, the college has enrolled on the educational portal of **Shiksha.com** that publicizes the information about our college on the internet. The college has started online admissions initially for the PG courses and now for the UG programmes. The college staff facilitates the online admission procedure for the benefit of students. Admission committees are appointed to facilitate the admission procedure. Counseling on elective and compulsory subjects is being done by PG departments. Transparency is maintained considering the instructions and guidelines given by the university as well as the State Government. Merit lists are displayed wherever the demand ratio is higher. Results of entrance examinations are displayed for the benefit of students.

Enhancing teaching quality : The college takes initiative for the development of teaching and non-teaching staff. The teaching staff members are encouraged to participate in Orientation Programmes and Refresher Courses conducted by different Higher Education Institutes and Universities. So far 39 teachers have participated in Refresher course and 13 of them in Orientation programmes. As the faculty members

are encouraged for pursuing research, we boast 30+ faculty members being the Ph. D holders and over ten staff members are pursuing their doctoral research currently. The number of NET/SET holder teachers reflects the zeal of the college to motivate the faculty members to focus on their self-development.

A mechanism has been devised through which the parent institution conducts an academic audit of our college and the departments are expected to submit their annual reports to the IQAC so as to take cognizance of the strengths and to work on the improvement areas.

Along with the human resource, upgraded infrastructure facilitates the learning process. So, the College tries to provide ICT based infrastructure for teaching-learning process. No. of ICT enabled classrooms has increased remarkably in last five years. A digital library and increased number of browsing centres facilitate the students to have access to internet and other technical facilities. Providing the gadgets and connectivity may not be sufficient, recognizing this, the Library has organized awareness programmes for the benefit of students and also for the faculty members.

Creating a Vibrant Research Environment...

During the Peer Committee visit for 2nd Cycle of NAAC Accreditation in 2011, the committee members emphasized on developing a research-centric environment in the campus.

The college took serious note of this and for its journey toward excellence it adopted various policies for overall and sustainable improvement in the research activities at the college. The concerning body of management and IQAC sensitized, encouraged and supported the faculty members for developing and submitting research proposals to various funding agencies for extramural support. Consequently, the college has marked substantial growth in terms of research activities as indicated by a steep increase in the number of funded research projects and publications in last 5 years.

Besides, the college received grants from Department of Science and Technology, Government of India under DST-FIST Program for improvement in infrastructure and supports from Department of Biotechnology (DBT) (Star College Scheme) as well as from the University Grants Commission (UGC) (developmental grants), which has resulted in an unprecedented growth in terms of infrastructure developments in the college. Various laboratories were restructured and renovated, and were fixed with lab-safety measures. High-end equipments were purchased for doing quality research projects.

Some major changes took place in last 5 years as follows:

- Budgetary provision has been made for providing seed-money to faculty members and students for materializing their research ideas.
- Financial autonomy has been given to the Principal Investigators for utilization of the funds and effective execution of projects.
- The laboratory and library resources are open for extended hours for project students, research scholars and faculty members.

- The college has received research grants in the tune of Rs. 77 Lakhs in last 5 years against a total research grant of Rs. 6 lakhs received Pre-NAAC peer team visit in 2011.
- College received grants from DBT: Rs. 1 Crore; DST-FIST: Rs. 79 Lakhs; UGC : 1.85 Crore
- The faculty members have started providing consultancies in their respective areas of expertise.
- The college has made a remarkable growth in developing academic and industrial collaborations and signed MoUs, a feature largely missing in the college before 2011.

All these steps have resulted in a great impact on development of a research environment in the college and various achievements have been made, some of them are as follows:

- Significant increase in the number of students passing NET / SLET exams: 45 students in last 5 years
- Nomination/receipt of prestigious Shyama Prasad Mukherjee Award to 3 students
- Fifty one students as University Rank Holders in last 5 years
- Large number of students pursuing PhDs in national institutes/universities in India and abroad
- Number of quality publications with good citations and high impact factors has been increased in last five years.

Combating Challenges of Educational Demands and Stakeholders' Needs

It is imperative that a periodic examination of the infrastructural facilities and academic resources available on the campus is done. Post re-accreditation, the college has taken sincere efforts to upgrade its existing infrastructure. Notwithstanding the impediments of physical expansion, the college headed for some planned renovation that included the laboratories, college office, BBA (CA) laboratory, classrooms and faculty room.

The college office was re-designed to make space for independent work cubicles with sufficient ventilation. The new administrative set-up was upgraded with latest office software for smooth functioning. Separate counters to attend to the needs of students from different faculties have thus made the administrative section more student-friendly. The college laboratories have been renovated with ergonomics in mind. This has aided in proper utilization of space thereby making the labs more conducive to carry out experiments.

A B. Voc program was introduced in the academic year 2014-15. Since the college runs a course in Food Technology under this program, it needs to be supported with adequate provision for practical demonstrations. The BVoc lab is well equipped with the necessary gadgets and appliances to cater to students' educational needs.

Library resources have also been enhanced remarkably by the college. New titles have been added and several reputed national and international journals have been subscribed. The library is sufficiently automated. Its repository of learning resources has been upgraded with the addition of a host of e-journals of repute. This facility can be easily accessed by both, teachers and students.

Taking cognizance of growing demands for technology-enhanced teaching- learning process, the classrooms have been equipped with LCD facility. Teachers have resorted to use of Power Point Presentations to facilitate their lectures. It has also improved easy internet access on the campus by increasing the number of terminals from its original number of 310 to 534.

Almost 30 percent of students seeking education in our college are from outside Pune city. In order to address their accommodation needs the parent body has made a provision for a spacious hostel separately for girls and boys.

Continuous up-gradation of Academic resources has been compounded with various other facilities on the campus. An ultra-modern restroom with sanitary napkin vending machine and odour-free sanitary napkin disposal unit has been made available for girl students. Advanced facility of this nature helps promote hygiene and health awareness among students.

Health, fitness and sports play a very crucial role in the overall personality development of youth. College has provided an international standard synthetic basketball court. A unique feature of this court is the dual purpose it serves. The college has also made available a spacious self-contained faculty room in its humanities building with computers having internet facility.

Building Responsible Citizens

We have tried to build responsible and multidimensional citizens through looking in to considerations the needs of education of our students so that it meets the requirements of society at large. We have the following steps like..

Academic Upliftment : In order to encourage the students for higher education , post graduation courses in social sciences like History, Sociology and Zoology have been started. Similarly we have applied for research center in Biotechnology and Chemistry. For the academic quality enhancement, remedial coaching and bridge courses are made available.

Skill Development : In order to impart the required skills we have started career oriented certificate courses in Electronics, Zoology, Microbiology. We have started a B. Voc in Food Processing Technology and Green House Technology. Hands on training in Banking, Taxation in commerce, Photo-voltaic system installation and use of solar energy and Printed circuit board design in Electronics were conducted. Microbiology department has also taken a workshop on hands on training in Physiochemical and Microbial Characterization of soils, Poly house training by Zoology department was undertaken.

Impact of Skill Development: A credit system in Human Rights and Cyber Security for P G courses helped us in inculcating values among our students. Skill based courses have enhanced the keen interest in the subject and raised the employability of our students. Four students from Commerce faculty are placed with Chartered Accountants and five students of Social Sciences are placed in NGOs and one student started own practice in Modi script translation of documents.

Contribution of Alumni Association: Alumni association is registered under public trust and started collaborative work with the college and with professional members. It conducted HB and Blood Group Testing camps with **Shahade Hospital** and **Godbole Pathological Laboratory** and **Zuventus Health Care Ltd.** as well as professional skill development with **Arthatech Knowledge Solutions Ltd.** It gave placements to Four students in their organization. Image Building course which was started in association with '**Lees Beauty Center and Spa**' for girl students was later on renamed as 'Transformation'. In order to develop entrepreneurial abilities amongst youth the association implemented training program in Chocolate and cookies making, Jewelry making, origami art making etc. The association took efforts to create a sense of accountability towards society. Free of cost stalls were provided to various social institutions like '**Gurukul**', '**Dnyanprabhodhini**', '**NAAM Foundation**' Rotary to display their work. The association gave donation to **Bhhashaa Foundation** for work for **unprivileged group** of society. **Gollapudy Scholarship** assisted the economically backward but deserving student to complete their higher education.

Catering the needs of diverse groups: International Students' Cell provides mentorship support to international students. **Tri-lingual Booklet** is published by Language Department of the college for North-East students to facilitate their communication with people.

Active working of various cells: Various cells are actively engaged in overall development of the students and making them comfortable at the campus like counseling, competitive examination, anti- ragging and anti-sexual harassment, grievance redressal, Vidyathirni Munch, student welfare, placement etc.

Financial support: In order to encourage the students towards the education various scholarships are made available to the students as well as the information of various scholarships is made available to them. Earn and learn scheme of the Students Welfare center of SPPU is implemented at our campus. About 240 Students are the beneficiaries of this scheme.

Placement: More than 343 students are well placed through the campus interview in well reputed companies. Members of Alumni association also take initiative to recruit the students at their organizations. Soft skill workshops, Employability skills development training is organized to transform the personality of students that suits the needs of employment market.

Steering on the Path of Success.....

In last five years, college has taken lot of initiatives for better governance and inculcating managerial and leadership skills in the staff members. The efforts taken by college in this respect can be summarized as follows.

IQAC has been the think tank of the college. It has strengthened its role in last five years. The objective of IQAC is to enhance the quality of academics, research and various skills of staff and students. It gives road map of the college considering vision and mission of the college. In the beginning of every academic year, IQAC takes various decisions regarding introduction of new courses, organizing various seminars and programmes. IQAC has inducted two outside members who are experts in their own fields. Their suggestions are well received and implemented.

An educational environment of the country is changing rapidly. We at college level are aware about need of updating our staff. College has organized number of faculty development and training programmes. A faculty development programme “Unlashing Your Potential” was organized for Principal, Vice principals, Heads of Departments and IQAC members to enhance the leadership skills. We are also aware about significance of administrative staff in smooth functioning of the college. A special Programme “Competencies Building” was organized for administrative staff for soft skill development and stress management. Considering the importance of ICT in college administration, a Course in Computer Security was organized for teaching and non-teaching staff.

Progressive Education Society has initiated Academic and Administrative Audit for all institutions. A review of Academic progress, Research and Extension activities and Financial position is taken in Management and College Interface Meeting.

College has moved one step ahead in e documentation. All the important documents are scanned and preserved. A Common Server is created where common data of office and departments is uploaded which is accessible to all. It is of great convenience and saves time and paper.

College has created common repository as Modern Mirror. It is the reflection of all activities and working of college. All the information about achievements, activities and programmes are stored here. All the documents are stored in digital form and made available as and when necessary.

An effort of being a Novel College

Our college has completed 24 years and tried to prove an example of an ideal college within short time span. By taking into consideration the inputs given in IQAC meetings we have taken the following efforts towards being a novel college

Environmental Consciousness:

- *Baction* composting technique is used for organic waste and converted into manure.

- ‘Solar Wind Hybrid Power Generating Plant’ is installed and 13 KV energy is generated.
- Rain Water harvesting, and a refill of bore well has given a source of water used for toilet blocks.
- College has developed a mechanism of testing potability of water and microbial testing of food of the canteen.
- Our NSS unit has taken the initiative of Contour Bunding at Banner Hill, in collaboration with Chatushrungi Trust is converting nirmalya into biofertilizer. About 8000 KG nirmalya is collected during Navaratri Festival so far. Tree plantation drive by the students under EVS course.
- Green audit of the college is done frequently and we have followed ‘No Vehicle Day’, ‘Cycle Rally’. The students are sensitized towards these initiatives. The students of our college have supported the Chatushrungi and SPPU Gate Police station authorities to have PUC check and traffic control.
- Staff and students are sensitized towards the use of organic agro products.
- College has initiated digitalization of documentation with the use of common server. It has saved consumption of papers and maintained the transparency in accessing the information.
- For hazardous waste management our college has collaborated with Passco Environmental Solutions.
- Ultra modern sanitary napkin winding and disposal machine is installed.
- Old computers are donated to needy students from schools and social institutions.

Innovative Platforms

- **Banking Club** is formed to impart the practical knowledge in association with professional experts.
- **Magnit** is an activity through which training of software application, cyber security and law is delivered.
- **Publications** like *Shabdthagandha* of Languages department, **Trilingual Booklet** for students from North East and foreign students, **C-Intellect** based on primary data collection, *Prameya* of Mathematics department
- **Yuva Saptaha** initiated two new competitions for the youth like poster and short film through which the students are sensitized with various social issues.
- **Learning by Sharing** an activity of reaching masses and classroom to campus to share mutually on various terms and words used in English.
- **Historical Documentary Film Club (HDFC)** It conducts an activity of showing a documentary, to discuss on the film to increase interest in the subject.
- **Psy-World** which is an awareness building presentation on myths about mental illness and counseling and information about mediation. The students were taught skills and did a study of micro expressions.
- **Mock banking** It has helped them to understand the actual working of bank

- **HR Meet** organized to gather inputs from corporate experts on various issues like knowledge delivery and gap. A collaborative course on ERP is planned.

Interdisciplinary sharing of knowledge

- **Kisan students Munch** formed by sociology and banking club of commerce faculty to impart knowledge on agricultural issues and policies and to understand the problems of farmers.
- **JIDNYASA-** an interdisciplinary activity for students of Arts & Commerce. It creates **curiosity** among the students about the beauty of language.
- **Entrepreneurship skill development training** an initiative of Alumni Association to develop business skills in preparation of jewelry, origami and chocolate and cookies.
- **Industry connect** A Two day Industry-Academia Meet. It was organized to enlighten them on various career opportunities and various skills required in corporate world.
- **Transformation certificate course** : this course covers Nutrition and health management, Hygiene, Beauty therapy, Meditation and Yoga, Business English Skills, Mock Interviews etc

Institutional Social responsibility

- **Tribal exhibition** cum sale under students' welfare center to display tribal art, train the youth in preparation of this art and make the adivasi community financially strong and to highlight different career opportunities.
- **Agro to campus** direct weekly sale of organic agro products from farm to college with student's assistance to support the farming community
- **Support to NAAM foundation** : students displayed a stall during *Vividhaa* exhibition and donated the profit and donations collected from stakeholders to to give financial support to draught-affected farmers of Maharashtra state
- **Support to unprivileged children** the first batch of Alumni Association gave Rs. 5000/ to *Bhashaa* Foundation to promote education of street urchins
- **Bank Connect** 172 people without any bank account were adopted and connected and adopted by Banking club under *Pradhan Mantri Jan DhanYojana* for financial inclusion and literacy
- **CSR Club** donated books, cloths to three orphanage homes...Anapurna Ashram, Alandi Dream Land, Parbhani, Gurukulam, Chinchwad Samati Ashram, Manjari located at Pune

Cultural Programs:

- **'Beyond Borders'** an activity to strengthen bonding among the students from different countries and various states of India and **Colors of India'** was a panoramic display of cultural extravaganza.
- **Yaadonki Baarat** a program performed by alumni artist and current students
- **Aashayghan** is a platform of teaching and non-teaching staff to present various skills like singing, drama, instrumental performance, poetry reading etc.

Glossary

- Aai Mazya Maha Vidyalyat*** : interactive program organized by the college for mothers of our students.
- Aashayaghan*** : cultural platform to showcase talents of teaching and non-teaching staff members
- Agro to Campus*** : sale of fresh organic Agro-products from farm to campus.
- Akanksha***: annual college magazine
- Amachi Sanskruti amacha varasa*** : our culture and our heritage
- Amar Bansi*** : musical program conceived and performed by our alumni Amar Oak, a popular flutist
- Anubhuti*** : exhibition of science projects by students .
- Avishkar*** : a zonal level research poster competition organized by SPPU
- Ayushyavar Bolu Kahi*** : musical programme on Marathi poems.
- Bank Connect***: financial inclusion and literacy movement by the college
- Bank Mitra*** : platform for various issues of financial inclusion.
- Colors of India*** : dance program showing cultural diversity of India
- Commerce Horizon***: in-house research magazine by Commerce faculty
- Cost Fest*** : learning platform for practical applications of costing techniques
- Dhol Tasha Pathak*** : a group of performers of traditional musical instruments used in processions
- Disha*** : study circle of Psychology Department
- Ek Hote Deool*** : show on ancient Indian Temples.
- Flair***: wall magazine by English Department to display students' flair for creativity
- Gollapudy Scholarship***: endowment scholarship instituted by our alumnus, Sandip Gollapudy
- Granthvedh***: e-Newsletter published by the library
- IDEA*** : NGO working for tribal community.
- Image Building*** : course on personality transformation.
- Indradhanush***: state level youth festival of Savitribai Phule Pune University
- Interaction*** : intercollegiate competition in ICT by the Department of Computer Science
- Jayanti*** : birth anniversary
- Jidnyasa*** : a platform to satisfy curiosity of students by the Department of Marathi and Political Science
- Kaleidoscope*** : A theme based research magazine by the Department of Psychology
- Kalpataru*** : A charitable trust
- Kaun Banega History Scholar ?*** : unique MCQ competition in History
- Khagolwishwa***: organization for amateur astronomers working in Pune and Pimpri - Chinchwad Area, India.
- Kisan Palak Melava*** : Meet for parents of our students having agricultural background.

LIC: Local Inquiry Committee

LMC: Local Managing Committee

Lokmat: Marathi newspaper

Magnit : event of Management and Information Technology

Mock Banking : creation of imaginary Bank environment

Modern Mirror : information repository of our college

Modern Shree: body-building competition by Physical Education Department of the college

Modernites : registered Alumni Association of the college

Modi script : historical Indian script

NAAM Foundation: charitable organization working for farming community.

Nirmalya: flowers and other bio-degradable offerings made to the deity during Navratri festival at *Chatushringi* Temple near the college

PBAS : Performance Based Appraisal System

Police Mitra : voluntary assistance by our students to Pune Traffic Police

Powada: a kind of ballad written in an exciting style and narrate historical events in an inspiring manner.

Prameya: theme based newsletter by the Department of Mathematics

Pranayam: breathing technique

Psy World: exhibition by the Department of Psychology

Shabdthagandha : collection of poems of students in Marathi, Hindi and English.

Shree Lipi: Marathi Font Software

SPPU/S.P. Pune University : Savitribai Phule Pune University

Swachata Abhiyan: cleanliness drive

Swarmadhuri : state level vocal and semi-classical music competition

Udaan : platform for career guidance.

Vidyarthi Kalyan Samiti : student welfare committee

Vidyarthi Sahayyak Samiti: charitable trust from Pune facilitating students

Vidyarthini Manch : platform for girl students for personality development

Vidyawani : Online Community Radio Station(107.4 FM) by Savitribai Phule Pune University

Vividhaa : exhibition-cum-sale organized by Alumni Association

Vruddhi: software to store student database

Yaaodon ki Baarat : musical concert performed by alumni

Yuva Saptaha: youth festival organized by the college

Annexure 3.1.4

Table 1 : Student participation in scientific events

Sr. No.	Name of the students	Name of the event	State/National /International	Prize/Medal Won
International conference				
1	Bhagyashri Joshi, Dhara Lad, DhanashreeGawade, BhagyashriPawale, Swati Mandal, Ruby Verma Shraddha Sonawane (Microbiology)	Poster Presentation at international conference “Business opportunities in life sciences”	International	Participation
2	VedantiZadap, KirtiKambale, DhanashreeKambale, NazaneenPeerzade (Zoology)	International conference	International	Best poster award
3	AninditaKarkhanis (Microbiology)	International Conference on Chemical, Physical and Biosciences at Annasaheb Magar College, Hadapsar	International	Best Poster Award
4	YogitaPatil, GayatriSahasrabuddhe (Microbiology)	International Conference on Chemical, Physical and Biosciences at Annasaheb Magar College, Hadapsar	International	Best Poster Award
5	KajalMulla and Shweta Nalawade (Microbiology)	International Conference on Chemical, Physical and Biosciences at Annasaheb Magar College, Hadapsar	International	Poster presentation
National conference/ seminar				
1	Pranav Pande (Microbiology)	Poster Presentation at DST-PURSE sponsored One Day National Seminar on “Future Perspective of Biological Sciences” organized by Department of Microbiology, Shivaji University, Kolhapur (2013)	National	1 st prize
2	Sai Hivarkar (Microbiology)	Poster Presentation at DST-PURSE sponsored	National	Consolation prize

		One Day National Seminar on “Future Perspective of Biological Sciences” organized by Department of Microbiology, Shivaji University, Kolhapur (2013)		
3	GauriJadhav, SonalJadhav, AnujaShinde and Namrata Mane (Biotechnology)	Presented poster National Conference on Advances and challenges in Green Technology held at Sinhgad College of Science (2014)	National	Participation
4	SnehalPaigude (M.ScBiotechnology)	Presented poster in National seminar Dynamic Microbe: Role in human Welfare organized by Modern College of Arts, Commerce And Science, Shivajinagar, Pune.	National	Presentation
5	NazneenPeerzade (Biotechnology)	Presented poster at National Conference on “Innovativeness and ideas in life science research for sustainable” development organized by N. Wadia College of Arts and Science, Pune. On 16 th & 17 th January 2015	National	Presentation
6	Sayed NidaRizwan and Kunal Agarwal (M.Sc. Biotechnology)	Oral presentation National Conference on Innovative Research in Life Sciences held at Sinhgad College of Science, Pune February, 2016	National	Best Paper Award
7	Aditya Eklare (T.Y.Biotechnology)	Oral presentation National Conference on Innovative Research in Life Sciences held at Sinhgad College of Science, Ambegaon (BR) Pune- 41, February, 2016	National	Presentation
8	GauriDiwanji , PranitaBorkar, DeepikaYewale (Poster Competition in national seminar on recent advanced in	National	4 th Prize

	Biotechnology)	chemical environmental sciences		
9	Swati Bhanage (Chemistry)	Paper Presentation	National	Consolation
10	Purnima Chitalange and Manasi Kulkarni (Microbiology)	Poster Presentation at national conference on Biotechnology Bioinformatics Bioengineering	National	Participation
11	LallianmawillPachavan, Sushma Sharma, GayatriChoudhari (Microbiology)	Poster Present at Nation conference on Biodiversity assessment, Conservation and utilization	National	Participation
12	Kunal Gandhi (M.Sc. Microbiology)	Raman conference. Feb, 2015 Organized by Department of Physics, Savitribai Phule Pune Vidyapeeth	National	Best Poster Presentation
13	AnkushBhat ParnalJoshi (M.Sc. Microbiology)	‘Dynamic Microbes: Role in Human welfare’ held at P.E. Society’s Modern College Shivaginagar, Pune -5, Feb 2015.	National	First prize in poster presentationcompetition
14	SwetaLimbachiya NishigandhaMestry (M.Sc. II Microbiology)	‘Dynamic Microbes: Role in Human welfare’ held at P.E. Society’s Modern College Shivaginagar ,Pune -5, Feb, 2015	National	Second Prize in poster presentationcompetition
15	PachuaLallianmawii (M.Sc. IIMicrobiology)	‘Dynamic Microbes: Role in Human welfare’ held at P.E. Society’s Modern College Shivaginagar ,Pune -5. 20 th and 21 st Feb, 2015.	National	First prize in poster presentationcompetition
16	AkanshaTeggi (M.Sc. IIMicrobiology)	‘Dynamic Microbes: Role in Human welfare’ held at P.E. Society’s Modern College Shivaginagar,Pune - 5,20 th and 21 st Feb, 2015.	National	Third Prize in poster presentationcompetition
17	Jaspreet Singh and NachiketDevasthaly	Presented paper on Customer Retention: The New Tension in national seminar at INDSEARCH	National	Presentation

		2011-12		
18	Sangeeta Math, SalwePinky, Ritu Jai, ShivarajGalande	Participated in Bank-o-scope, a national seminar organised by MITCON institute of Management, 2011-12	National	Presenta-tion
State level conference/workshop				
1	ChandaniVerma MeghaBagal	poster presentation, state level conference	State	2 nd award
2	SayaliHanamghar, RujutaGumasteMamlesh Waghmare (Microbiology)	state level quiz competition "Microbiological Contest"	State	3rd Prize
3	DhritiDeka (Microbiology)	Model Competition in state level workshop for production of good quality cocoons	State	1st Prize
Zonal				
1	Radhika Adwant and Nikhil Sarma (Biotechnology)	AVISHKAR 2013, Zonal level organized at F.C. college by University of Pune	Zonal	1 st position
2	KajalKamat&DeekshaNe ma (Biotechnology)	Zonal Level Avishkar 2014 at M E S AbasahebGarware College.	Zonal	Participa-tion
3	GauriJadhav, SonalJadhav	Avishkar 2014	Zonal Level	Participa-tion
Inter university				
1	MarlynAbrahm and Maruti Singh	Avishkar, 2012-13	Inter universit y	Participa-tion
2	Jaspri Singh and Anil Gile	Avishkar, 2012-13	Inter universit y	Participa-tion
3	AparnaVedepatil and ReshmaTiwari	Avishkar, 2012-13	Inter universit y	Participa-tion
4	RajniJirekar	Avishkar, 2012-13	Inter universit y	Participa-tion
Intercollege				

1	Ruta Kulkarni (Biotechnology)	'Horizon' Inter-college poster competition held at Sinhgad Technical Institute	Intercollege	2 nd prize
2	Disha Sharma (Biotechnology)	'Horizon' Inter-college poster competition held at Sinhgad Technical Institute	Intercollege	2 nd prize
3	Aboli -	poster competition in Biosynapse-13, at RJSPM, Bhosari, Pune.	Intercollege	2 nd prize
4	Ganesh Honwad & Priya Takawale -	poster competition in Biosynapse-13, at RJSPM, Bhosari,	Intercollege	3 rd prize
5	Aditi Khot	Paper presentation at Biosynaps' 14 Competition organized by RJSPM, Bhosari	Inter College	3 rd prize
6	Chinmyee Kakirde	poster presentation at Biosynaps' 14 Competition organized by RJSPM, Bhosari	Inter College	3 rd prize
7	Mrunal Pardesi	poster presentation at Biosynaps' 14 Competition organized by RJSPM, Bhosari	Inter College	First prize
8	Omkar Indari	poster presentation at Biosynaps' 14 Competition organized by RJSPM, Bhosari	Inter College	First prize
9	Ashwini Koyale	INTERACTION organised by Modern College Ganeshkhind - 16. 2011-12	Inter College	First prize

Annexure 3.1.6

Table 1: Details of workshops/ training programmes/ sensitization programmes

Sr. No.	Name of activity	Class	Details
College level workshops			
1	Hand-on training for recent techniques in Zoology	S.Y.B.Sc, T.Y. B.Sc.	UG
2	Hands on training programme for B.Sc. Students-DBT Star College scheme	F.Y.,S.Y. and T.Y.B.Sc.	UG
3	DBT –STAR Hands-on training Workshops: ➤ SYBSc: Physico-chemical and microbial analysis of soil. ➤ TYBSc: Biosafety principles and ELISA Technique.	S. Y. B. Sc. T. Y. BSc.	Department of Microbiology, 2015-16
4	“Guidance for NET-SET examinations”	Undergraduate students	2 nd March to 4 th March, 2012. Student Welfare
5	Summer training workshop for S.Y.B. Sc. students on analytical techniques.	S.Y.B. Sc.	Department of Chemistry under DBT-STAR college Scheme on 25-27, June, 2015.
6	Capacity building Workshop	FY, SY, TY BA students	Department of Psychology
7	Use of R software	UG students	Department of statistics- DBT STAR college scheme funds, 2013-14
8	Use of i) stem and leaf chart ii) Spider chart iii) Nightingale chart for data presentation.	UG students	Department of statistics- DBT STAR college scheme funds, 2015-16
9	Celebrating Statistical Innovation and Impact in a World of Big & Small Data	UG students	IISA, 2015-2016
Intra college activities			
1	Commerce- Workshop on Research Methodology	Intra college	12 th and 13 th October 2012.
2	History-“Ancient Indian Culture, History and Archeology”	QIP	17 th December 201, one-day seminar, quality improvement program of SP University of Pune

3	A District level workshop on “Research Methodology & Scientific Communication”	PG students and researchers.	Department of Microbiology, In collaboration with AMI (Pune Unit) 2013-14
4	Workshop in “Lab Safety”	laboratory Staff from various colleges	Department of Electronics -under DBT-STAR college scheme funds
5	Interdisciplinary Workshop on Labview-7 software	For the teaching faculty	Department of Electronics -under DBT-STAR college scheme funds
State level			
1	Seminar on ‘Role of mathematics in life sciences’	For teaching faculty and students	Department of Mathematics under QIP, S. P. Pune University, 6 th and 7 th February, 2012
2	State level workshop on "Cloud Computing"	For Library and Information Science professionals, students and Computer Science faculty	Library Department-Workshop sponsored by Board of College and University Development, SP University of Pune on 7 th October, 2013
National workshops			
1	Workshop on ‘Monsoon Forecasting’		Geography, 11 – 13 th Aug, 2011.
2	Seminar on ‘Newer trends in chemical research and writing of scientific research papers’	For teaching faculty and students	Department of Chemistry under QIP, S. P. Pune University, 2-4 th February, 2012
International Workshops			
1	International Workshop on Exploring ABCD Open Source Software	For Library and Information Science professionals and students	Library Department- in partnership with BIREME, World Health Organization, Brazil, VLIR (Flemish Inter university Council) Belgium and Modal Network, Brazil on 5 th March, 2013.
2	International Indian statistical Association - preconference workshop	Researchers and teachers	Department of Statistics on 19 th December, 2015.

Annexure 3.1.7

Table 1: Details of prioritized research areas and the expertise available

Sr. No.	Name of Teacher	Research Area / Expertise available
Science		
1.	Dr. Sanjay Kharat	Fish Taxonomy
2.	Dr. RavindraKshirsagar	Entomology and Limnology
3.	Dr. Shakira Inamdar	Entomology
4.	Dr. Vinay Kumar	Plant Biotechnology, Stress physiology and molecular biology, Phytotherapeutics
5.	Dr. Nivedita Das	Developmental biology, Cell biology
6.	Dr. Madhuri Kulkarni	Synthetic chemistry
7.	Dr. Mukula Kulkarni	Physical Chemistry, free radical chemistry, radiation chemistry
8.	Dr. SushmaKatade	Natural product chemistry, synthetic chemistry
9.	Dr. MohiniKute	Nuclear chemistry, Radioisotopes
10.	Mrs. SnehaOgale	Testing of anti microbial activity of various compounds, handling and testing of drug resistant microbes
11.	Mrs. AnupamaSonawane	Medical and applied Microbiology, Biocontrol
12.	Dr. Neelima Kulkarni	Protein biochemistry, extracellular metabolites
13.	Mr. Prasad Deshmane	Biochemistry and Enzymology (pectinase and chitinase)
14.	Dr. Kavita Parekh	Molecular biology, molecular diagnostics, health sciences, drug resistant microbes
15.	Mrs. GauriBhagat	General microbiology, immunology
16.	DebangiChattopadhyay	Teaching and learning through games, Microbial diversity
17.	Dr. ManasiTukdeo	Anaerobic microbiology, Microbial diversity, Gas chromatography, Molecular techniques, Scientific writing
18.	Dr. LeenaKamalaskar	Anaerobic microbiology, Waste water treatment technology and bio-fuel production, Microbial fuel cell, GC, HPLC, DNA/RNA/Protein techniques, Scientific Research Paper and Patent writing
19.	Mr. Sougata Ghosh	Nanomedicine, biochemistry, cancer biology, diabetes, drug discovery, scientific writing, community welfare (biofertilizers for farmers), tribal farming promotion, medicinal plant research
20.	Dr. AmitaDharamadhikari	Design of questionnaires and Statistical analysis of surveys, reliability theory and design of experiments, multivariate data analysis
21.	Dr. PrachiRawal	Plant Pathology, Mycology

Commerce		
22.	Mrs.Shubhangi Joshi	Business Entrepreneurship
23	Ms. Vijaya Kulkarni	Agro Marketing, Banking
24	Mr.Amol Desai	Marketing Management
25	Mrs. Manisha Bele	Auditing
26	Mrs.PernaSuru	Human Resource Management
27	Mr. Parag Shah	Translation, Computerized Accounting, Tax Consultancy, DTP & Soft Skills
28	Dr.MamtaShende	International Business
29	Mr.MoreshwarMeeshi	Computerized Accounting, Tax Consultancy
30	Mrs. Sujata Deshmukh	Entrepreneurship
31	Mrs. Manjusha Kulkarni	Microfinance, Entrepreneurship
32	Mrs. Sujata Dahiwal	Marketing
33	Mrs. Shraddha Rahane	Marketing
Arts		
34	Dr. JyotiGangras	Sociology of Gender Sociology of Education Personality Development Women Empowerment Expertise in Extension
35	Dr. Sadhana Natu	Evaluation of Community Mental Health projects, Anti Sexual harassment training and external expert on ICC, Research methodology, Gender studies, Psychotherapy, Psychometry, Action research.
36	Dr.ShrutiBhatkhande	Modern Maharashtra, Women freedom fighters.
37	Mrs. ShampaChakroborty	Business English, Technical Writing and Communication Skills.
38	Mrs. GauriKopardekar	Urban policy, Communication, Presentation skills.
39	SangeetaDhamdhere	Library and information science, digital library, library automation, academic libraries, web design.

Annexure 3.2.7**Table 1: List of sanctioned, completed and ongoing research projects from different funding agencies**

Nature of the Project	Duration Year From- To	Title of the project	Name of the funding agency	Total grant		Total Grant received till date
				Sanc-tioned	Received	
Minor project	2009-11	Marketing of alternative energy: A need for application of 4 p's for effectiveness (Mr. Amol Desai)	UGC	75,000	60,000	60,000
Minor project	2010-12	Exploring mental health services, curricula and resources from a gender perspective (Dr. Sadhana Natu)	UGC	1,50,000	1,02,500	1,02,500
Minor project	2010-12	Skill Gap 2009- Role of English & Comparative Analysis of soft skill : Teaching v/s Training (Mrs. Shampa Chakraborty)	UGC	65,000	65,000	65,000
Minor project	2010-12	Synthesis of Naftifine Related AllylamineAntimycotics (Dr. Madhuri Kulkarni)	UGC	1,75,000	1,00,000	1,00,000
Minor project	2009-11	Green Oxidation synthesis of naturally occurring flavonoids (Mr. Harsh Gaikwad)	UGC	50,000	50,000	50,000
Minor project	2009-11	Study of diversity of zooplanktons of Pune city (Dr. Shakira Inamdar)	UGC	50,000	40,000	40,000
Minor project	2012-14	A review of coverage Published in Stree Magazine of social reform movement of women 1930-1947 (Mrs. ShrutiBhatkhande)	UGC	30,000	30,000	30,000
Minor Project	2009-11	Agricultural to determinants in Pune district (Dr. Sanjay Patil)	UGC	90,000	52,500	52,500
Minor project	2010-12	Determination of Bioactivity of some indigenous plants from Maharashtra (Dr. SushmaKatade)	UGC	1,70,000	1,58,000	1,58,000
Minor project	2015-17	Study on digestive and reproductive physiology of lepidophagous fish, NeotropiusKavalchor,	UGC	4,40,000	Nil	Nil

		Kukarni from western ghats, India. (Dr. Sanjay Kharat)				
Minor project	2015-17	Biosystematics study on Bracomid Parasitoids on Lepidopteron Larvae of some economic important crops pest from Pune, Maharashtra state. (Dr. Shakira Inamdar)	UGC	2,80,000	Nil	Nil
Minor project	2015-17	Synthesis of nonferrites and their characterization (Mr. WaghmareMahendra)	UGC	4,70,000	Nil	Nil
Major Project	2013-15	Exploration of Helicteresisora L, as a source of diosgenin& enhancement of diosgenin production on using plant tissue culture & genetic engineering approaches. (Dr. Vinay Kumar)	UGC	6,25,000	6,25,000	6,25,000
Major		Investigating individual role & relative importance of Na ⁺ and Cl ⁻ in NaCl induced salt stress & in activation of antioxidant machinery in response. (Dr. Vinay Kumar)	SERB	2,700,000	1837000	18,37,000
Major project	2015-18	Empirical studies of effectiveness of prebirth education on child development by using advanced statistical methods. (Dr. AmitaDharmadhikari)	UGC	12,53,600	Nil	Nil
Major project	2011-15	Biodegradation of ammonium perchlorate by phyto-remedial approaches (Dr. Rekha Gupta)	ISRO	10,52,000	9,49,628	9,49,628
Minor project	2009-11	Study of physico chemical parameter on ecosystem and changing geomorphologic strategy of three water bodies from Pune City(Mrs. BharatiPatil)	BCUD	3,00,000	2,11,876	2,11,876
Minor project	2009-11	Study of diversity of Zooplanktons of Pune City (Dr. Shakira Inamdar)	BCUD	2,61,500	NIL	NIL
Minor project	2009-11	Exploring Mental Health Service, Curricula and Resource from a Gender Prespective (Dr. Sadhana Natu)	BCUD	1,00,000	50,000	50,000
Minor	2009-11	Optimization of data	BCUD	1,50,000	75,000	75,000

project		Storage through Virtualization (Dr. RajendraBele)				
Minor project	2009-11	Biodegradation of Azo dyes by Micro Organisms (Dr. Rekha Gupta)	BCUD	2,50,000	2,46,821	2,46,821
Minor project	2009-11	The evolution of Cyber threats and need for increased security (Dr. ShubhangiBhatambrekar)	BCUD	1,50,000	75,000	75,000
Minor project	2009-11	Green Oxidation synthesis of naturally occurring flavonoids (Mr. Harsh Gaikwad)	BCUD	1,50,000	1,50,000	1,50,000
Minor project	2009-11	Synthesis of Naturally occurringBiologically active aryl and benzyl cinnamates (Ms. SmitaWaghmare)	BCUD	75,000	37,500	37,500
Minor project	2011-12	Conservation of Endemic species in western ghat (Dr. RawalPrachi)	BCUD	50,000	25,000	25,000
Minor project	2009-11	The Development of Binary Multiplier based on Ancient Indian Vedic Mathematics Sutras and its implementation using Verilog HDL(Mr. Bodke)	BCUD	1,00,000	50,000	50,000
Minor project	2012-14	Investigating the individual role of Na ⁺ & Cl ⁻ in exerting the oxidative stress in rice & in activation of antioxidant machinery in response to it. (Dr. Vinay Kumar)	BCUD	2,00,000	1,84,750	1,84,750
Minor project	2012-14	Karyotype Analysis of some fresh water fishes of Mula and Mutha river Pune Maharashtra. (Dr. Sanjay Kharat)	BCUD	3,00,000	2,55,000	2,55,000
Minor project	2012-14	Study of farmers in relation to pomegranates in IndapurTaluka. (Mr. DastagirPathan)	BCUD	1,00,000	50,000	50,000
Minor project	2012-14	NavabharataMasikatilLekhanachiSuchi : Kalkhanda 1947-2010 (Dr. SanskrutiAwalgaoonkar)	BCUD	2,00,000	1,23,552	1,23,552
Minor project	2012-14	People participation in urban governance (Mrs. GauriKopardekar)	BCUD	1,20,000	74,127	74,127
Minor	2012-14	Designing model for	BCUD	1,25,000	82,954	82,954

project		creating knowledge base of an educational institute (Ms. SangeetaDhamdhere)				
Minor project	2012-14	A study of First generation women Entrepreneurs Pune City (Mrs. Shubhangi Joshi)	BCUD	50,000	36,786	36,786
Minor project	2012-14	A study & analyse the role of HRD audit while evaluating HR functions for business enhancement & improvement in the perspective of IT sector in Pune city (Mrs. Bele Manisha)	BCUD	50,000	29,889	29,889
Minor project	2013-15	An analysis of agricultural development of Maharashtra after 1991 (Mr. DokeNamdev)	BCUD	60,000	28,887	28,887
Minor project	2013-15	Study of women administrators in Pune University jurisdiction (Dr. JyotiGangras)	BCUD	85,000	65,326	65,326
Minor project	2013-15	A passage to India as a postcolonial novel (Mr. Sandeep Sanap)	BCUD	1,30,000	57,675	57,675
Minor project	2013-15	“Micropropagation of <i>Vanilla planifolia</i> ’ (Dr. GeetaMorwal)	BCUD	2,70,000	1,20,902	1,20,902
Minor project	2013-15	Evaluation of <i>in vitro</i> methods for enhanced secondary metabolite production in the medicinal plant <i>Centella asiatica</i> (L.) Urban (Dr. ShaliniMathur)	BCUD	2,00,000	87,537	87,537
Minor project	2013-15	Human Resource Development (Mrs. SuruPrerana)	BCUD	50,000	27,698	27,698
Minor project	2014-16	Vigilant attendance system using fingerprints (Mrs. VaishaliSalunkhe)	BCUD	1,65,000	82,500	82,500
Minor project	2014-16	Studies on diversity, epimorphic regeneration and characterization of stem cells from fresh water Planaria (Dr. RavindraKshirsagar)	BCUD	2,40,000	1,20,000	1,20,000
Total				1,09,67,100	6418408	6418408

Annexure 3.3.3**Table 1: Instruments Procured during the last four years.**

Name of Department	Funding agency	Instruments received
Botany	DBT	Mini gel electrophoresis unit Fixed type power pack Digital pH meter Incubator Inoculation chamber Autoclave
Physics	DBT	Micro-controlled Diagnostic Audiometer (EDA Giga 3) Magnetic Hysteresis Curve Tracer Planck's Constant Coulomb's law Demonstration kit Quinke's Tube with stand Fiber optics Trainer kit Digital LUX Meter Ultrasonic Interferometer Stop Clock (metal) (4) Stop watch (digital) (2) Dimmer stat Transformer (2- 12 volt) (4) Laboratory Polarimeter Microammeter (500 μ A) (2) Microammeter (1000 μ A) Lactometer Bimetallic thermometer Null Galvanometer (30-0-30) Calendar and Griffith's Bridge CRO 200 MHz dual channel Function Generator 2MHz (2) DC Regulated Power Supply 0-30 V(4) Digital Storage Oscilloscope 100 MHz Op-Amp as inverting and non-inverting amplifier kit
Biotechnology	DBT/DST/ others	Balance Refrigerator Gel Documentation System ELISA Reader UV-Vis Spectrophotometer Fluorescent Microscope Trinocular inverted microscope Fermenter Protean II (Biorad) Electrophoresis system Vertical Mini Gel System Vertical Dual Midi Gel Micropipettes Liquid nitrogen cryocan Microscopes

Zoology	DBT	Ultra-cooling centrifuge Digital PH meter Centrifuge 2 Laminar air flow Magnetic stirrer Mini vertical gel electrophoresis with Power pack
Electronics	DBT	Cathode Ray Oscilloscope: 4 Function Generator: 4 DC Power Supply: 4
		DMM: 10 Experimental Kits: 1. Antenna radiation Pattern study 2. Mobile communication: GSM
		Cathode Ray Oscilloscope:2 Function Generator:2 Digital Storage Oscilloscope:1
		Cathode Ray Oscilloscope:2 Function Generator:2
Microbiology	DBT/UGC	Mini Electrophoresis unit and power pack; Leveling Table Electronic digital Balance -2 Binocular Microscope Olympus make Orbital Shaker Incubator DBK Make Digital colorimeter CL-157 Elico make Tarson Micropipettes 1-10ul =3Nos. 10-100ul=3Nos. 100-1000ul=3Nos., Multichannel Pipette Borosil Miniature Micropipettes (capacity 5, 10, 100, 200, 500, 1000 ul) Digital pH meter Cyclomixer Refrigerator Autoclave Hot air oven Incubator
Chemistry	DBT	Burette stand set Digital pH meter Magnetic stirrer Centrifuge Machine Digital conductivity meter Photoelectric Colorimeter Digital Potentiometer Digital Weighing balance Abbe refractometer hot air oven Digital temp Muffle furnace Digital Water bath VAT Sodium press machine Sodium press machine

		Four stage vacuum filtration assembly Rocker vacuum pump Jet vacuum Pump Digital balance Thermostatic water bath UV cabinet with dual wavelength Refrigerator
Electronics	DBT	Cathode Ray Oscilloscope Function Generator 4 DC Power Supply Digital Multimeter Antenna (characteristics) Trainer Kit GSM (Global System for Mobile) Phone System Cathode Ray Oscilloscope Function Generator Digital Storage Oscilloscope Digital Multimeter Analog meters Resistance Box Dimmer Stat
Mathematics:	DBT	Desktops, printer, computer software-Autograph, Laptop, modules of Mathlab
Statistics	DBT	Desktops, SPSS software.
Humanities Social sciences Commerce	UGC	Language lab computer software

Annexure 3.4.3

Table 1: List of Publication per faculty

Sr.No	Name of the Teacher(s) Author	Title of the Paper	Name of the journal	Volume & Pages	Year of publication	ISBN/ISSN No.	Impact factor
1	Prin. Dr. Sanjay Kharat	Freshwater fish fauna of Koyna River, northern Western Ghats, India	<i>Journal of Threatened Taxa</i>	3(1):1449-1455	2011	0974-7907	
2	Prin. Dr. Sanjay Kharat	Fish fauna of Indrayani River, northern Western Ghats, India	<i>Journal of Threatened Taxa</i>	4(1):2310-2317	2012	0974-7907	
3	Prin. Dr. Sanjay Kharat	Fresh water fish fauna of Krishna River at Wai, northern Western Ghats, India	<i>Journal of Threatened Taxa</i>	4(6):2644-2652	2012	0974-7907	
4	Prin. Dr. Sanjay Kharat	Haematological study of <i>Clariusbatrachus</i> with reference to Trypanosomiasis	<i>Trends In Fisheries Research</i>	1:6-9	2012	2319-474X	0.231
5	Prin. Dr. Sanjay Kharat	Studies on Physico-chemical parameters of fish ponds from Hadapsar Pune (MS) India	Bionano Frontier	6(1):153-156	2013	0974-0678	3.251
6	Prin. Dr. Sanjay Kharat	Gonadosomatic index, Ova diameter and Fecundity of fresh water hill stream Teleost <i>Nemacheilusmoreh</i> (Sykes)	<i>International journal of Bioassays</i>	2:992-995	2013	2278-778X	3.94
7	Prin. Dr. Sanjay Kharat	Study of Length- Weight relationship and Conditioned Factor of hill stream Teleost <i>Nemacheilusmoreh</i> (Sykes)	<i>International journal of Bioassays</i>	2(7):942-945	2013	2278-778X	3.94
8	Prin. Dr. Sanjay Kharat	Length frequency, Sex Ratio and Diet Composition of Hill stream Teleost <i>Nemacheilusmoreh</i> (Sykes)	<i>International journal of fisheries and Aquaculture sciences</i>	3(2):121-129	2013	2248-9975	
9	Prin. Dr. Sanjay Kharat	Morphology and Histology of Pituitary Gland of Torrential stream fish <i>Nemacheilusmoreh</i> (Sykes)	<i>International journal of Bioassays</i>	2(8):1079-1084	2013	2278-778X	3.94
10	Prin. Dr. Sanjay Kharat	Population Dynamics of Pune Hill stream Loach <i>Acanthocobitis Mooreh</i> (Sykes, 1839) (Cyprinidae: Nemachilidae) from northern Western Ghats of India.	<i>Journal of Threatened Taxa</i>	5:11	2013	0974-7907	
11	Prin. Dr. Sanjay Kharat	Qualitative Phytochemical Screening of <i>Gnidiaglauca</i> (Fresen) Gilg. Plant extract.	<i>Int Journal of Pharma and Bio Sci.</i>	4(4):144-148	2013	0975-6299	5.121

12	Prin. Dr. Sanjay Kharat	Heavy Metal Concentrations in Certain Tissues Of <i>Osteobramavignisii</i> (Sykes) From Nira River Bhor, District, Pune (Maharashtra), India	<i>International Journal of Bioassays</i>	2(7):996-999	2013	0974-7907	
13	Prin. Dr. Sanjay Kharat	Seasonal morphological and Histological changes in the Testes of fresh water fish <i>Nemacheilus moreh</i> (Sykes)	<i>Bionano Frontier</i>	6(2):226-231	2013	0974-0678	3.251
14	Prin. Dr. Sanjay Kharat	Concentration of the heavy metals in few tissues of <i>Rohiteogilibe</i> From Nira River Bhor, District, Pune (Maharashtra), India	<i>International Journal of Scientific Research</i>	2(9):270	2013	2277-8179	3.508
15	Prin. Dr. Sanjay Kharat	Rhythm Of Oocyte Maturation And Reproductive Cycle In A Hill Stream Female Loach <i>Nemacheilus moreh</i> (Sykes).	<i>Bionano Frontier</i>	6(2):237-243	2013	0974-0678	3.251
16	Prin. Dr. Sanjay Kharat	Seasonal changes in the cytology of the adenohipophys, testes and ovaries of the hill stream loach <i>Nemacheilus moreh</i> (Sykes)	<i>Trends In Fisheries Research</i>	1:6-9	2013	2319-474X	
17	Prin. Dr. Sanjay Kharat	Evaluation of in vitro mutagenic and antimutagenic activity of Vitae Elixir by Ames Salmonella Microsome Assay	<i>International Journal of Bioassays</i>	2(11):1480-1486	2013	2278-778X	3.94
18	Prin. Dr. Sanjay Kharat	Studies on Physiochemical parameters of fish ponds from Hadapsar, Pune (MS) India	<i>Bionano Frontier</i>	---	---	0974-0678	3.251
19	Prin. Dr. Sanjay Kharat	Traditional fishing techniques of Adivasi tribes in Tamhini region of western ghats	International journal of fisheries and Aquaculture sciences	2:07	2013	2248-9975	
20	Prin. Dr. Sanjay Kharat	Histopathological studies of Monogenean parasite <i>Diplozoan paradoxum</i> (Nordmann, 1832) in the gills of fresh water fish <i>Osteobramavignisii</i> (Sykes) from Nira river, Bhor, (Maharashtra), India.	<i>Indian Journal of Applied research..</i>	Vol. 3 (11), 550-552	2014	2249-555X	-
21	Prin. Dr. Sanjay Kharat	Gonadosomatic index (GSI) and Fecundity of <i>Rohiteogilibe</i> (Sykes) from Nira River Bhor, District, Pune (Maharashtra), India.	<i>World Journal of Pharmaceutical Research, Vol.3(10), 1277-1283</i>		2014	2277-7105	
22	Prin. Dr. Sanjay Kharat	Fecundity and gonadosomatic index (GSI) of <i>Osteobramavignisii</i> (Sykes) from Nira River Bhor, District, Pune (Maharashtra), India	<i>World Journal of Pharmaceutical Research,</i>	Vol.3(6), 1223-1229		2277-710	

	Prin. Dr. Sanjay Kharat	(2015): Length- Weight relationship and relative condition factor of <i>Rohitoeogilbii</i> (Sykes, 1839) from Nira River Bhor, Maharashtra (India). <i>World</i>	<i>Journal of Pharmaceutical Research</i>	Vol.4(9), 1199-1205.	2015	2277-7105	
23	AwalgaonkarSansk ruti	HrudayachethavghenareHrudayasta	Vishakhadiwaliank		2011		
24	AwalgaonkarSansk ruti	Santkanhopatra-caritra.	KALYANI, VISHESANK		2012		
25	AwalgaonkarSansk ruti	Srutisthalatilstreedarshan	'Ajeya'		2013		
26	AwalgaonkarSansk ruti	streetvacheeneksandarbhdenariKavyatreeAnuradh aPotdar,	'SUKHI GRUHINI DIWALI ANK.'		2014		
27	AwalgaonkarSansk ruti	MahanubhavBhashyakar:omkarbas DHARASHIVKAR,	Marathi SanshodhanPatika,		2015	0542-6421	
28	AwalgaonkarSansk ruti	Kanhopatratuzidasi,	Akshardan,		2015		
29	AwalgaonkarSansk ruti	SantNamdevvanchiKathatamrachana,	Pratishthan		2015		
30	BapatVarsha	Comparative study of energy saving on WSN employing directed connectivity Through Antennas with Specific Directional Patterns	International Journal of Pure & Applied Research in Engineering & Technology	Vol 2(9):43-50	2014	2319-507	0.621
31	BapatVarsha	Design Of A Compact Test-Jig For Opto-Interrupters In The Crop Field Perimeter Control	International Journal of Advanced Research in Electrical,Electronics and Instrumentation Engineering	Vol.4Issue 8	2015	2278-8875	5.016
32	Bele Manisha	Contemporary issues in accounting and auditing	Proceedings of UGC sponsored National Symposium held at Wadia college	--	--	--	---
33	BeleRajendra	Exploring CPO scheduling strategies in xem virtualization Technology	International Journal of Science	--	--	---	---
34	Bhatambrekar S.S.	Vital aspects of e-Commerce security	Proceedings of National Conference,Indira Institute, Pune	-	2011		
35	Bhatambrekar S.S.	Case Study Approach for Development of Guidelines practices for Cyber Security	Proceedings of IEEE Conference at Singapore	-	2012	978-93 80043-99	
36	Bhatambrekar S.S.	SYMCOMP : Simple Tool for Researchers --- Understanding, Verifying Algebraic Expressions	Proceedings International Conference,Pune ICPCCS 2012	-	2012	978-93 82062-76-9	

38	Bhatambrekar S.S., PallawiBulakh	Study of Challenges Involved in Cloud Computing	International Journal of Research in Computer Application & Management, IJRCM	-	2014	2231-1009	5.09
39	Bhatambrekar S.S.	Noise Minimization Frame work: Preserving Private Data	Progress in Science and Engineering Research Journal ; PISER	-	2014	2347-6680(E)	
40	Bhatambrekar S.S.	Optimum use of Informal Methods for Business Analytics	Progress in Science and Engineering Research Journal ;	-	2014	2347-6680(E)	
41	Bhatambrekar S.S.	Student Attendance System (SAS)-RFID- based application	International Conference on Information Technology and Management ScienceHon Kong	93	2014	1743-3533	
42	Bhatambrekar S.S	Data Mining to reduce Drop Out rate of student: Use of Classification and Prediction method	International Journal of Recent and Innovation trends in Computing and Communication;	-	2014	2321-8169	
43	Bhatambrekar S.S	A Tool for Solar Panel Tracking System using 8051 Microcontroller	Proceedings of 11 th International Institute of Engineers and Researchers International Conference-	-	2015	978-93-84209-89-6	
44	Bhatambrekar S.S	Context Free Grammar (CFG) for MODI Script	Proceedings of International Institute of Engineers and Researchers International Conference-	-	2015	978-93-84422-16-5	
45	BhatkhandeShruti	Contribution of stree magazine in empowering women 1930 to 1947	Proceedings of UGC sponsored National Symposium on women empowerment	(p.20)	2013	978-981-928564-1	-
46	BhatkhandeShruti	“ <i>Bharatiyaswatantryaladhyatilmhilakranitkaraka ncheyogdan</i> ”	Proceedings of IRJCM, IthasSanshodhanPatrika organized by Naigaon Education Society's Daundialuka Arts & Commerce College, Pune on 25 th & 26 th February 2014	Vol. No. 2	2014	2277-5838	

47	Bhatkhande Shruti	"Aitihāsikvastu Vishrambaugwada"	Proceedings of National Conference on Historiography & methodology of Local History at C.T. Bora College, Shirur, Pune on 29 & 30 th September 2014.		2014	978-1-63415-225-9	
48	Bhatkhande Shruti	"Bharatiya Swatantrya Chalvalitil Striyancha Yogada nAvantikabai Gokhalke"	Poceedings of State level workshop and Pune University History Teachers Association at Bharatiyajain Sanghatna's Arts, Science and Commerce College, Wagholi, Pune on 12 & 13 January	2	2015.	2277-5838	
49	Bhatkhande Shruti	"Contribution of Shri Balkrishna Vitthal in the Praja Parishad of Princely States", .	Proceedings of International Conference at Abasaheb Garware College, Pune on 22, 23 & 24 January		2015	2394-207X	
50	Bhatkhande Shruti	"Health Education in Higher Education"	Proceedings of National Conference at Shri Bhausaheb Vartak College, Mumbai on 21 & 22 January		2015.	978-93-5202-400-1	
51	Mrs. Shruti Bhatkhande	<i>Itihasatil nave pravaha</i> ed. Jaswandi Wamburkar	Sanshodhak			2394-5990	
52	Bhakar Sharayu	New Paradigms of Learning SMS way	Journal of Arts and Science	Vol-IV	2012	-	-
53	Bulakh Pallavi	Application Of Semantic Similarity Using Ontology For Document Comparison	International Journal of Research in Computer Application & Management IJRCM	3:12	2013	2231-1009	
54	Bulakh Pallavi	Automation of Subjective Answer Evaluation Using Domain Ontology Matching.	Pezzotait	4:1	2015	2319-9016	
55	Chakrabarti Shampa	Technology enhanced pedagogy challenges and threats	Thematics	Vol -1, issue 3	2011	2231-487-3	
56	Chakrabarti Shampa	Catching the Winds of chance voice of the subaltern in Badal Sircor's third theatre	International Conference EPIGNOSIS- Journal of multidisciplinary Research publication	Volume	13-Jan	978-81-922163-2-4	---

57	ChakrabortiShampa	It's Time We Broke Through the Glass Ceiling	Conference Proceedings at the National Symposium on 'Empowering Women in Higher Education Institutions', Modern College, Pune-16.	---	2013	978-81-928564-1-4	
58	ChakrabortiShampa	Come Let's break those barriers	Proceedings of conference on women empowerment and leadership at BANGKOK	---	2014	978-86-87043-21-3	---
59	DandeVaidehi	A Study of a Unique "Herbal Elixir" as a Potential Green Pesticide for Integrated Pest Management of Pomegranate	International Journal of Current Microbiology and Applied Sciences	Special Issue- 2:388-398	2015	2319-7706	2.015
60	Das Nivedita	Production of biodiesel from poultry waste and degradation of remaining waste	Environmental observer	18: 83-86	2014	2320-5997	0.436
61	Das Nivedita	Production of Biofuel from Chicken Feathers: International journal on Power Engineering and Energy	<i>International journal on Power Engineering and Energy</i>	4(2): 364-366	2013	2314-7318	
62	Das Nivedita	Role of acid and alkaline phosphatase in tail regeneration of the Indian jumping tree from <i>Polypedates maculatus</i> .	<i>International Journal of Current Research</i>	4(11): 115-120	2012	0975-833X	---
63	DeepanitaBhanja	The path towards self discovery: Women in Anita Desai's Novels	Proceedings at the National Symposium on 'Empowering Women in Higher Education Institutions', Modern College, Pune-16.	-	2013	978-81-928564-1-4	---
64	DeepanitaBhanja	“Traversing the Terrain of the Past: A textual Analysis of Anita Desai's <i>The Zigzag Way</i> ”	Indian Journal of World Literature and Culture.	Vol 9 & 10,	2013	2229-7251	
65	DeepanitaBhanja	“Baidh/Abaidh: Relationships in Buddhadeva Bose's <i>It Rained All Night</i> and DibyenduPalit's <i>Illitic</i> ”	The Commonwealth Review.	Vol 24,	2015	0974-0473	
66	DeepanitaBhanja	“Redefining Freedom through Selected Novels of Anita Desai”	International Journal of IMRF ENGLISH STUDIES	Vol-4, Issue-1	2016	2347-3479	
67	Deshpande Aditi	Isolation of Alkalophilic protease producing bacteria and optimization of parameters for protease production	Asian journal of Microbiology, Biotechnology and environment		-		

68	DhamdhareSangeeta	Necessity of knowledge management and sharing in educational industry.	ISST Journal of Advances in Librarianship [IJALIB]	Vol.1.Issue 2.	July-Dec 2011.	0976-9021.	
69	DhamdhareSangeeta	Web technology based innovations in education sector.	Educational Quest- An International Journal of Education and Applied Social Sciences. Pp 297-203.	Vol.3, No.3.	2012	2230-7311.	
70	DhamdhareSangeeta	Digital library services & practices- an online survey	International journal of library science (ESER Publication)	Vol. 6; Issue # 2	2012	0975-7546	---
71	DhamdhareSangeeta	Application of ICT in libraries	International journal of computing Communication & networking WARSE	2	Jan 2013	2319-2720	
72	DhamdhareSangeeta	Changing face of Academic libraries	Pearl-a Journal of library & information science	6	2012	0973-7081	
73	DhamdhareSangeeta	ICT & Web technology based innovations in Educational sector	Turkish on line journal of Distance education	13	2012	1302-6488	---
74	DhamdhareSangeeta	E-learning: Future trends and Challenges to Academic Libraries	International Journal of Information Technology & Computer Science (IJTCS) Pages : 59 - 67	Vol. 2	April 2012	2091-1610	
75	DhamdhareSangeeta	Open source software: Boon to Digital Libraries.	International Journal of Advanced Library and Information Science. Cloud Publications.pp23-28	Vol 1, Issue 1, pp.23-28,	2013	2348-5167	
76	Sangeeta N Dhamdhare	Knowledge Management Model for Higher Educational Institutes.	Journal of Commerce and Management Thought.	Vol. 6 No. 1. pg.130-161.	2015	0976-478X. DOI:10.5958/0976-478x.2015.	
77	DhamdhareSangeeta	"ABCD open source software for managing ETD repositories"	Library Management	Vol. 35 Issue: 4/5	2014		SJR:0.65
78	DhamdhareSangeeta	Information common and emerging cloud library technologies.	International Journal of Library and Information Science. Academic Publisher.	5:410-416	2013	2141-2537, DOI: 10.5897/IJLIS2013.03	

	DhamdhereSangeet a	Pilot comparative study and evaluation of services offered through the websites of selected academic libraries from different countries. P.28-33	Information Age.	Vol.8, No. 1	Jan 2014.		
79	DhamdhereSangeet a	Publishing & sharing library resources with ABCD site Information Development	Information Development. Sage Publication (London) pp.183-191	---	12-Jul	0266-6669	Impact Factor: 0.491
80	DhamdhereSangeet a	ABCD New foss for library Automation & Digital Library	Conference proceedings of Digital Library management & challenges		2011-12	978-81-8412-102-5	
81	DhamdhereSangeet a	ABCD, an open source software for modern libraries	Chinese Librarianship: an International Electronic Journal.	No. 32	2011	1089-4667	
82	DhamdhereSangeet a	Future of Academic libraries in ICT-Era	Conference proceedings UGC Sponsored National level Seminar on Impact of Information Technology on College Libraries at Jalgoan.	15 th October 2011 pp.90-93	2012	978-93-81546-21-5	
83	DhamdhereSangeet a	Institutional Repository (IR) Need for knowledge preservation and resource sharing	Conference proceedings at 57th All India Library Conference of Indian Library Association on "Knowledge Society: Innovations in Librarianship (ILAKSIL 2012) at Mangalore.	pp.233-239	2012	81-85126-45-6	
84	DhamdhereSangeet a	Collection development and management Policies	Proceedings of the National Seminar held on 24-25 February, 2012 at Indian Association for the Cultivation of Science (IACS), Jadavpur, Kolkata on "Collection Development and Management Policies"	24-25 February, 2012 pp.173-180	2012	978-81-923191-0-0 Pg.173-180	
85	DhamdhereSangeet a	"E-resource management using OSS: a case study".	Proceedings of National Conference on "Trends in Developing and Managing e-Resources in Libraries 2012, Visvesvaraya Technological University, Belgaum	pp.257-262	2012	978-81-924696-0-7.pg.257-262.	

87	DhamdhereSangeeta	Importance of Knowledge Management in Higher Education Institutes.	Turkish Online Journal of Distance Education – TOJDE.	16:162-183	2015	1302-6488	
88	DhamdhereSangeeta	Knowledge Management Strategies and Process in Traditional Colleges: a Study.	International Journal of Information Library & Society.	4:47-55.	2015	2278-0386	
89	DhamdhereSangeeta	Knowledge management applications and status in Indian education system: a survey	Elixir International Journal of Library Science.	80	2015	30815-30823.	
90	DhamdhereSangeeta	Knowledge Management Practices in Education: Indian Scenario.	Elixir International Journal of Education Technology	80	2015	30824-30834	
91	DhamdhereSangeeta	An assessment of satisfaction of research scholars: a case study.	International Journal of Library Science.	14:1-13.	2015	0975-7546.	
92	DhamdhereSangeeta	The use of web services for patron education and information by selected top university libraries in USA and India	Journal of Teaching and Education	4:175-196.	2015	2165-6266	
93	DharmadhikariAmi	Women empowerment in higher education institutes why and how?	Proceedings of UGC sponsored National Symposium on women empowerment	--	2014	978-981-928564-1	
94	GagangrasJyoti	Empowering women administrators study of woman administrators in Pune jurisdiction	Proceedings of conference on women Empowerment and leadership at BANGKOK	--	2014	978-86-87043-21-3	---
95	GagangrasJyoti	Social Science Research Methods and Techniques	UGC Sponsored National Seminar organized by Balbhim College Beed	--	Feb. 2014	2229-4856	---
96	GagangrasJyoti	Status of woman administration in Pune university jurisdiction	Proceedings of UGC sponsored National Symposium on women empowerment	-	2014	978-981-928564-1	-
97	GagangrasJyoti	Socio economic status of women lecturers in pune university jurisdiction a survey	A research article in the book Social problems and development issues of youth. Discovery publishibg house New Delhi	-	2014	93-5056-449-1	
98	GagangrasJyoti	Social science research techniques and methods	Proceedings of national conference	-	2014	2229-4856	-
99	GandhileRajkumar	Poor enrollment of girl students from sugarcane cutter families in education	Proceedings of UGC sponsored National Symposium on women empowerment	-	2014	978-981-928564-1	-

100	Ghosh Sougata	Commentary on Therapeutic Potential of <i>Gnidiaglauca</i> : A novel Medicinal Plant	Medicinal Chemistry	5(8):351-353	2015	2161-0444	
101	Gosavi Sachin	Occurance of Parotoid gland in the tadpoles of tropical frog <i>Clinotarsus curtipes</i>	Comparative biochemistry and physiology	part A 170-	2014	31-37	2.178
102	Gupta Rekha and Deshpande Aditi	Degradation and decolorization of synthetic dye	Asian Journal of Microbiology and Biotechnology and environment science	3	2014	--	SJR-0.11
103	Gupta Rekha	Isolation of Alkalophilic protease producing bacteria and optimization of parameters for protease production	Asian journal of Microbiology, Biotechnology and environment		-		
104	Hole Saroj	Polyaniline, Preparation of conducting Polymer	International Journal of Basic and Applied Research	12:12-19	2012	2249-3352	1.026
105	Hole Saroj	Facile route for preparation of CdS Nanoparticles	International Journal of Scientific Reviews & Chemical Communications	2(3), 427-431	2012	2249-3352	0.631
106	Inamdar Shakira	Assessment and statistical analysis of snake bite in Ambegaon tahsil north pune district Maharashtra	International journal of Multidisciplinary	7, PP. 140	5-Jul		RJIF- 5.72
107	Joshi Shubhangi	What motivates Women Entrepreneur's	Proceedings of National Conference on Emerging Trends in Entrepreneurship	Pages-118	-	2277-5838	---
108	Joshi Shubhangi	IMPACT OF Entrepreneurship development education and training on girl students	Proceedings of UGC sponsored National Symposium on women empowerment	--	--	978-981-928564-1	---
109	Katade Sushma	Isolation and characterization of co-steroid from <i>S. guttata</i>	Environmental Observer	13:229-230	2013	2322-5997	
110	Kharche Jayashree	Seasonal migration of bonded brick kiln labourers: An educational hurdle to female children	Proceedings of National Symposium on 'Empowering Women in Higher Education Institutions'	-	2013	978-81-928564-1-4	-
111	Kharche Jayashree	Putting tribal Artisans first sustainable development strategies	Proceedings of National Conference on Economic reforms policies (ERP) for Sustainable development	---	2015	978-93-5097-5572	---

112	KharcheJayashree	An Initiative of campus Entrepreneurial effort-A review of Vividhaa	Proceedings of National Conference of Emerging trends in Entrepreneurship- A global perspective	Pages-118	13-Jun	2277-5838	---
113	KopardekarGauri	Teaching and Learning Political Science in an interdisciplinary way	Conference proceedings	-	2014-15	978-81-926011-3-7	-
114	KopardekarGauri	Syllabi and Textbooks of Political Science – Issues in Text Book Writing	Sage Journal of Studies in Political Science	Vol 2, no. 1	2014-15	2321-0230	-
115	KshirsagarRavindra	Occurance of dugesia from fresh water pond pune	Bionano frontier	7	2013	--	3.251
116	Kulkarni Madhuri, RevatiNagarkar	A new Synthesis of exoderil.	Environmental Observer	13:201-202	2013	2322-5997	
117	Kulkarni Madhuri, KetakiSarvate	“Green synthesis of a novel derivative of 3,4-dihydropyrimidinones”	Proceedings of “Advances in Chemical sciences with special reference to Molecular Spectroscopy, Material Science and Organic Electronics”	24-25	2014	978-93-5196-222-9	
118	Kulkarni Manjusha	Development of Agro Entrepreneurship with the help of SHG member of LupinPharmaceuticals	Proceedings of National Conference on Emerging Trends in Entrepreneurship	Pages-118	-	2277-5838	---
119	Kulkarni Manjusha	MahilaBachatgat and Udojkatorikas	Journal of commerce & management Thought	Vol -1		0975-623X	---
120	Kulkarni Manjusha	Social and Economical Effects of Self Help Groups in members life	Global Journal of Management Applications	Vol-2	12-Jul	2249-345X	---
121	Kulkarni Manjusha	Analysis of Nano Entrepreneurs with the help of SHGS	Proceedings of UGC sponsored National Symposium held at NanawatiCollege	--	--	978-81-92462745	---
122	Kulkarni Manjusha	Franchise; A modern technique to grow with the help of SHGS	Proceedings of International conference on Franchise Reretail marketing at university of Madras	-	---	978-8192462745	---
123	Kulkarni Mukula	Redox chemistry of copper complexes of 6, 7-dicyanodipyrido quinoxaline	<i>Inorg. Chim. Acta.</i>	363 (8), 1813-1817	2010	0020-1693	2.046

124	Kulkarni Mukula	Higher antioxidant activity in decoction than raw fruit parts of <i>Lagenariasiceraria</i> (Mol.) Standley as determined by pulse radiolysis.	Free Radicals and Antioxidants		2013	2231-2536	1.28
125	Kulkarni Neelima and OgaleSneha	ICT in higher education a case study	<i>Dnyanamay</i>	1, 50-54	2015	2395-6898	
126	Kulkarni V. M.	An initiative of campus Entrepreneurship-Review of Vividhaa	Proceedings of National Conference on Emerging Trends in Entrepreneurship	Pages-118	-	2277-5838	---
127	KuteMohini	Activation energy for diffusion of Fe ³⁺ ions in agar gel medium containing Fe ₂ (SO ₄) ₃ .	Environmental Observer	13:99-100	2013	2322-5997	
128	MeherDipali	Knowledge bank :An initiative for academic excellence	International Journal of Research in Computer application and Management			2231-1009	
129	Modi - Parekh Kavita	Plasmid profiling of multidrug resistant isolates of <i>E. coli</i> , <i>Klebsiella</i> and <i>Pseudomonas</i> and antimicrobial potential of <i>Allium sativum</i> L. (garlic) against these isolates	International Journal of Current Microbiology and Applied Sciences	Special Issue- 2:162-171	2015	2319-7706	
130	Natu Sadhana	Empowering women in higher education institutions including the excluded	Proceedings of UGC sponsored National Symposium on women empowerment	175	2014	978-981-928564-1	-
131	Natu Sadhana	Examining counselling curricula from gender & mental health	Indian Journal of Health and Well - being	2, Issue 4, 725-727	2011	2229-5356	2.5
132	Natu Sadhana	Social psychology to social issues:Bridging the gap	Proceedings of national conference organized by NIT Rourkela	-	-	-	-
133	Natu Sadhana	College Mental health : The Disha Experience in	Medico Friends Circle Bulletin brought out during National Conference on Mental Health	-	-	-	-
134	Natu Sadhana	Youth and Mental Health : Urban, Rural and Fringe Realities,	Proceedings of National seminar on Urban Inequalities in India	-	-	978- 81-931444- 0-4	-
135	OgaleSneha	Anti-Microbial Potential of Plant Extracts Against Multi-drug Resistant Uropathogens	International Journal of Current Microbiology and Applied Sciences	Special Issue-2: 222-239	2015	2319-7706	2.015
136	PatilBharati	Studies on monthly variations of biological parameters of ganesh pond, Pune Maharashtra	Indian Streams Research Journal	Vol 3, pp 1-5	2013	2230-7850	0.211

137	Patil Sanjay	Planning of irrigation for sustainable agriculture in pune district	Proceedings of conference in Tempa USA.	---	2014	---	---
138	Patil Sanjay	Status of girl's education as per educational planning in five year's plan	Proceedings of UGC sponsored National Symposium on women empowerment	-	2014	978-981-928564-1	--
139	Patil Sanjay	Geographical study of occupational structure in Ahmednagar district	Bhugolshatra Sansodhak by Deccan Geographical Society	-	13-Jun	0973-3612	-
140	Pooja Rana	Effect of cultural manipulations on antioxidant potential of tissue cultured Menthaspicata (SPR 8)	Journal Pharmacy Research	4:3368-71	2012	0974-6943	
141	Pooja Rana	Antioxidant potential of tissue cultured Menthaspicata (SPR 8)	Journal Pharmacy Research	5:90-96	2013	0974-6943	
142	Pooja Rana	<i>In Vitro</i> lipid peroxidation of tissue cultured and tissue cultured derived plant	Journal of Applied Pharmaceutical Sciences	4: 079-083	2014	2231-3354	0.537
143	Raval Prachi	Planning for Environmentally sensitive Area –case study of Mahabaleshwar	Proceedings of 8 th National Seminar on Immortal cities past and future concepts Changing morphology sustainability/April 23-24 April 2014 Panchkula, Haryana		2014		
144	Sabnis Savita	Whanchit Ghatakanchi Shikshan : EkaAvahan	Beyond Friendship	-	2013	-	-
145	Sabnis Savita	Ucchashikshan: Tantradnyanvashavatikas	Beyond Friendship	-	2014	-	-
146	Sanap Sandeep	An Analysis of Marginalisation and Exclusion in Rama Mehta's <i>Inside the Haveli</i>	'LANGLIT' a Peer-reviewed Open Access Journal.	-	2015	2349-5189	-
147	Sanap Sandeep	"Postcolonialism: Polarities and Similarities in <i>The Lying Days</i> and <i>The Grass is Singing</i> "-	'Literary Cognizance' An International Referred e-Journal	-	Dec. 2015	2395-7522	
148	Satbhair Aswini	Isolation of halophiles from the Dead Sea and exploring their potential biotechnological applications	International Journal of Current Microbiology and Applied Sciences	Special Issue-2: 1-17	2015	2319-7706	2.015
149	Sawale Shweta	" <i>Shanikiti hasachyasa and arbhait Chitrashala Chhapk hanyacheyogdan</i> ",	Proceedings of National Conference on Historiography & Methodology of Local History at C.T.Bora College, Shirur, Pune on 29 & 30 th September		2014	978-1-63415-225-9	
150	Shah Parag	'Young India 2030 – Nuclear family and Youth'	International Journal of Management and Economics	Vol. I, No. 13	March 2016	2231-4687	1.52.

151	ShendeMamta	Problems of Marketing of flouricultureauanits A CASE STUDY.	Southern Economist		2011-12	038-4046	
152	ShendeMamta	Floriculture business- A viable option for small farmers – A case study of Pune District	Proceedings of National Conference on Emerging Trends in Entrepreneurship.	Page-118	-	2277-5838	---
153	ShindeAbaso	Economics of Sericulture Industry	Asian Journal of Multidisciplinary Studies Online Journal	--	2013	2321-88	---
154	Mr. AbasoShinde	A Study of Control on Disease of Mulberry Bush and Silk worm,	Sahkari Maharashtra magazine		2013	0972-3218	
155	Mr. AbasoShinde	Economics of Sericulture Industry,	Vanijya Vidya,		2014	0975-623X	1.498
156	SonawaneAnupama	Antifungal Activity of a Fungal Isolates against Pomegranate Wilt Pathogen <i>Fusarium</i>	International Journal of Current Microbiology and Applied Sciences	Special Issue-2: 48-57	2015	2319-7706	2.015
157	SupekarSwapnil	Effects of Choremequat Chloride on <i>Drosophila melanogaster</i>	National journal of Life Science	---	---	---	---
158	Vinay Kumar	Antimicrobial potentials of <i>Heliciterisora</i> silver nanoparticles against extensively drug resistant (XDR) clinical isolates of <i>Pseudomonas aeruginosa</i> .	Applied Microbiology and Biotechnology	Published online ahead of print	2015	0175-7598	3.34
159	Vinay Kumar	Na ⁺ and Cl ⁻ ions show additive effects under NaCl stress on induction of oxidative stress and the responsive antioxidative defense in rice.	Protoplasma	252:1149-1165	2015	0033-183X	3.17
160	Vinay Kumar	Individual and additive effects of Na ⁺ and Cl ⁻ ions on rice under salinity stress.	Archives of Agronomy and Soil Science	61: 381-395	2015	0365-0340	0.55
161	Vinay Kumar	Optimization of direct and indirect regeneration and ploidy level analysis of <i>Eulophiaochroleata</i> Lindl.	Indian Journal of Experimental Biology	52:1112-1121	2014	0019-5189	0.84
162	Vinay Kumar	Asymbiotic seed germination and seedling establishment in <i>Eulophianuda</i> .	Proc. Natl. Acad. Sci. India Sec. B. Biol. Sci.	84:837-846	2014	2250-1746	0.4
163	Vinay Kumar	Hairy root induction in <i>Heliciterisora</i> and production of diosgenin in hairy roots.	Natural Products and Bioprospecting	4:107-112	2014	2192-2209	

164	Vinay Kumar	Curing of Plasmid-Mediated Antibiotic Resistance in Multi-Drug Resistant Human Pathogens Using <i>Alpinia galangal</i> /Rhizome Extract.	Advanced Biotech	13(1): 1-5	2013	2319-6750	
165	Vinay Kumar	Antioxidant and DNA damage protecting activities of <i>Eulophianuda</i> Lindl.	Free Radicals and Antioxidants	3:55-60.	2013	2231-2536	1.2
166	Vinay Kumar	Efficacy of <i>Helicteresisora</i> against free radicals, lipid peroxidation, protein oxidation and DNA damage.	Journal of Pharmacy Research	6: 620-625	2013	2319-5652	2.1
167	Vinay Kumar	Antibiotic resistance reversal of multiple drug resistant bacteria using <i>Piper longum</i> fruit extract.	Journal of Applied Pharmaceutical Science	3(3): 112-116	2013	2231-3354	0.537
168	Vinay Kumar	Sulfate & chloride salinity induced effects on physiological and biochemical parameters of sorghum.	International Journal of Biochemistry and Biotechnology	1(2): 5-10	2012	0973-2691	
169	Vinay Kumar	Effect of MgCl ₂ stress on germination, plant growth, chlorophyll content, proline content and lipid peroxidation in sorghum cultivars.	Journal of Stress Physiology and Biochemistry	8(4): 169-178	2012	1997-0838	

Table 2:Chapter in Books/Books Edited/Books with ISBN/ISSN numberswithdetails of publishers

Sr. No.	Nature and Title	Publication details	ISBN no.
1	Dr. JyotiGangras	Research article published in book captioned, “Social Problems and Development Issues of Youth” in book captioned, “Social Problems and Development Issues of Youth” Discovery Publishing House, New Delhi, 2014 1)Title :Socio-Economic Status of Women Lecturers	93-5056-449-1,
2	DeepanitaBhanja	Biadh/Abaidh: Relationships in Buddhadeva Bose's It Rained All Night and DibyenduPalit's Illicit edited by R.K.Dhawan and SumitaPurin a book titled Indian and Comparative Literature: NewInsights. (138-151). Prestige Books, New Delhi	
3	Dhamdhare, S. N., &Lihitkar, R.	2014.The University Cloud Library Model and the Role of the Cloud Librarian. In S. Dhamdhare (Ed.), <i>Cloud Computing and Virtualization Technologies in Libraries</i> (pp. 150-161). Hershey, PA: Information Science Reference.	9781466646315
4	Dhamdhare, Sangeeta	"Cloud Computing and Virtualization Technologies in Libraries." IGI Global, USA, 2014. 1-403. 2013	9781466646315
5	Dhamdhare, Sangeeta	"Knowledge Management in Indian Higher Education System: Strategies, Processes and Applications". Lap Lambert Academic Publishing, Germany, 2014.	978-3-659-58077-2
6	Dr. JayshreeKharche	Five research articles published in book captioned, “Social Problems and Development Issues of Youth” Discovery Publishing House, New Delhi, 2014 1) Tribal Youth Associations and Organizations: A Potential Base for Development 2) The Sorrow of Laborers in Unorganized Sector 3) Red Light: Black Life- A Study of Female Sex Workers 4) Warli Youth and Toddy Consumption Rituals 5) Health, Nutritional and Compensation Issues of Stone Quarry Workers	93-5056-449-1,
7	Dr. JayshreeKharche	Book Published titled, Child Labour and Rights Issues: A study of migrant labourers	93-5056-444-0
8	Dr. JyotiGangras	Introduction to Sociology (English)	936352502-9
9	Dr. JyotiGangras	SamajshastrachaParichay (Marathi)	936352502-9
10	Dr. JyotiGangras	Population & Society, Nirali Publication Pune, 2014-15	935164089-2
11	Dr. SadhanaNatu	Lingabhavanimanasshatra: ekavlokan Monograph chapter published in Vidyabal Gaurav grantha, ShabdaPrakashan, Mumbai, Jan, 2014	978-93-82364- 19 1
12	Dr. SadhanaNatu	SamajikManassashtra (Social Psychology), Pearson Publications	978-81-317-3215-1
13	Dr. SadhanaNatu	Youth Suicides in Purandar Taluka, Pune District: an exploratory Study , 2015	978-93-81352-06-9
14	Dr. Sanjay Kharat	Reproductive Biology of Hill Stream Fish, Nemacheilusmoreh(Sykes). Lambert academic publication, German.	978-3-659-4358-6-7

15	Dr. Sanjay Kharat	Field guide of wild freshwater fishes of western Ghats of western Maharashtra. Published by Forest Department (Social Forestry) Maharashtra State. Pune.	978-81-928564-4-4-5
16	Dr. Sanskruti A walgaonkar	Tribhashik Samwad (Intra lingual Dialogue) : A trilingual booklet - In house college publication. 2015	-
17	Dr. Sanskruti A walgaonkar	Shabdagandh-(co-author) Modern College Ganeshkhind publication, 2015	-
18	Dr. Sanskruti A walgaonkar	Arvind Gokhale yanchekathavishav- Pratima Prakashan. Pune 2015	-
19	Dr. Sanskruti A walgaonkar	Chapter in book : Uyachya sunder divasasathi: ekakalan', <i>Nagnathkottapalle: sahitya, swarup, anisamiksha</i> . sampadak – Dr. Tushar Chandvadkar, Dr. Pruthviraj K poor. Atharv Publication, Dhule 2015	978-93-84093-68-6
20	Dr. Sanskruti A walgaonkar	Chapter in book : Ekapustakachapathalag: swachintanachamuktavishakar, <i>Vasantayan-sampadak</i> - f.m.shinde, Dr. Vishvas Wasekar, Sansrutiprakashan. Pune. march 2015.	978-93-84497-18-7
21	Dr. Sanskruti A walgaonkar	Chapter in book : srujan shilte chyasundryavishvachavishkar: varyane halite ran. ' <i>Gresjogiyapurusha</i> ' - sampadak – h.l.Nipinge. <i>Pushapak prakashan. pune 2015</i> .	-
22	Dr. Sanskruti A walgaonkar	Chapter in book : <i>shreekrushncharitra</i> : vangmayinsaudryachyautkataavishakar: ' <i>mahanubhavachakharleni</i> ' Nagpur 2016.	-
23	Dr. Sanskruti A walgaonkar	Chapter in book : <i>Dr. Sanjay Dhole yanchimulakhat. Sankrikathasangrah</i> . Mehta Prakashan. Pune	-
24	Dr. Savita Sabnis	Gajanan Madhav Muktibodhek Anushilan, June 2013	978-93-82234-01-2
25	Dr. Savita Sabnis	Lokachetnake Kavisanant Tulsidas one chapters in Sant Kabir tatha Tulsidas kahindisahitya me yogdana Reference book	978-9383183-28-9
26	Dr. Savita Sabnis	'Pratibimb: Uchhashikshanache vidhaayam'.	-
27	Mr. Abaso Shinde	Two Chapters in Economic Development & Planning T.Y.B.A G-3 Text book	978-93-83639-26-7
28	Mr. Abaso Shinde	Two chapters in International Economics T.Y.B.Com. Text book	978-93-83639-27-4
29	Mr. Abaso Shinde	A Study of Silk Worm and care of Cocoon and Mulberry Bush - Baliraja, Magazine July 2013	-
30	Mr. Parag Shah	Co-authored a book on Financial Accounting Publisher: Atharv Prakashan, Pune.	978-81-923875-8-1
31	Mr. Parag Shah	Business Mathematics & Statistics Publisher: Atharv Prakashan, Pune.	978-81-923875-7-4
32	Mrs. Shruti Bhatkhande	Ethihas Sankalan and dyanvistar, Dyanawistarachi Khisitije pp 244	978-81-87552-25-3
33	Mrs. Shruti Bhatkhande	Published 23 articles in Marathi newspaper Lokmat on ' <i>Olakhlitihaskaranchi</i> '	-
34	Mrs. Gauri Kopardekar	12 th Std Political Science Text Book for Maharashtra State Higher Secondary Board	-
35	Mrs. Gauri Kopardekar	Reading Material : New Structures of Governance in Maharashtra published by the Centre for Advanced Studies, Department of Politics & Public Administration, Savitribai Phule Pune University	-

36	Mrs. GouriKopardekar	New Structures of government in Maharashtra, Center for Advanced studies, Department of Politics and Public Administration, University of Pune	-
37	Mrs. ShampaChakroborty	'In Search Of The Quintessential...' in a book "Raising The Bar: Striving For Quality" ed. by Dr Mintu Sinha , Alfa Publications. 2012	978-93-81465-61-5
38	Mrs. VarshaBapat	Digital System Hardware, VISION, AP Vision Design & Prints Pvt. Ltd.	978-93-5016-282-8
39	Mrs. VarshaBapat	The 8051 Architecture, Interfacing, and programming , VISION, AP Vision Design & Prints Pvt. Ltd.	978-93-5016-299-6
40	PallaviBulakh	Rajya Seva MukhyaPariksha, Pearson publication	9788131790601
41	Sandeep Sanap	Glimpses of World Literature, ABS Publication, Varanasi.	978-93-85149-71-1
42	Vinay Kumar	2015, Engineering proline metabolism for enhanced plant salt stress tolerance. In: Wami SH, Hussain MA (Eds) Managing salinity tolerance in plants: molecular and genomic perspectives. CRC Press, Taylor & Francis Group, USA, pp353-372;	978-1-4822-4513-4.
43	Vinay Kumar (co-author)	2016. Transgenic Approaches for Abiotic Stress Tolerance in Crop Plants. In: Al-Khayri JM, Jain SM, Johnson DV (Eds) Advances in Plant Breeding Strategies, Vol 2: Agronomic, Abiotic and Biotic Stress Traits. Springer International, Switzerland,	978-3-319-22517-3, DOI: 10.1007/978-3-319-22518-0

Annexure 3.7.2

Table 1: list of collaborative projects, linkages and MOUS

Sr. no.	Name of staff member/Department	Title and Nature	Institute and other details
1	Mrs. SnehaOgale Department of Microbiology	‘Microbial Diversity Assessment of River water sample’.	Dr. YogeshShouche, MCC-NCCS (DBT,Govt of India)2012-13,2013-14
2	Mrs. VaidehiDande Department of Microbiology	Retrospective study of presumptive factors of IVF & Microbiological analysis of semen	Mr. Ashok Patel & Dr. LeenaPatankar, Genesis Fertility Clinic, Patankar Hospital Pvt. Ltd. Pune Dr. Mohan Kale, Associate Professor, Dept. of Statistics, University of Pune, Pune
3	Dr. Neelima Kulkarni Department of Microbiology	Microbial interactions in rice rhizosphere	Dr. MonaliRahalkar ScientistAgharkar Research Institute, Pune 2014-2016
Linkages			
1	Department of Computer Science, Modern College of ASC, GK, Pune-16	SPPU Extra credits for M.Sc. course	Cyber Crime and Cyber Security
2	Modern Law College	SPPU Extra credits for M.Sc. course	Human Rights
3	Department of Microbiology	SPPU Extra credits for M.Sc. course	Industrial Safety and General Awareness (GayatriShrotriya)
4	Research Projects M.Sc. Department of Microbiology	Linkages for Research projects	NCL, IISER, MCC-NCCS, NCL, NARI, NIV, Agharkar Research Institute, Departments of S.P. Pune University.
5	Banking and finance Department of Commerce	T.Y.BCOM Hands on training for 67 students	VidyaSahakari Bank ltd
6	Skill Development : Direct Tax Advisor Department of Commerce	M.Com. 40 hours training with four CA’S on Direct and Indirect taxes	Four Firms of Chartered Accountants like CA Rahul Kulkarni.CA Jagdish Ranade.CA Rahul Pore.CA Sane
7	Department of Commerce Modern College of ASC, GK, Pune-16	Health and personality grooming	Lee Spa

8	Department of Commerce Modern College of ASC, GK, Pune	Entrepreneurship Development Programme	Maharashtra Centre for Entrepreneurship Development (MCED)
9	Department of Commerce Modern College of ASC, GK, Pune	Entrepreneurship Development Programme	MITCON
10	Department of Commerce, Modern College of ASC, GK, Pune	Investment awareness programme	Center for Corporate Governance, Research and Training (CCGRT) Initiative by The Institute of Company Secretaries of India.
11	Department of Sociology, Modern College of ASC, GK, Pune	Child abuse	MUSKAAN
12	Department of Sociology, Modern College of ASC, GK, Pune	Soft skill development	GYAANSETU
13	Department of Sociology, Modern College of ASC, GK, Pune	Counselling	TISS- WOMEN PROTECTION CELL
14	Department of Sociology, Modern College of ASC, GK, Pune	Tribal Handicraft	IDEAS
15	Department of Sociology, Dept of Commerce, Modern College of ASC, GK, Pune	Kisaan Student Forum	ABHINAV FARMERS CLUB
16	Department of Psychology	Scope of gender studies	Women's studies centre, SPPU.
17	Department of Psychology	Research methodology, expert for selection of M.Phil and Ph.D fellows	Babasaheb Ambedkar Research and Training Institute
18	Department of Psychology	Expert for Youth leadership training	YASHADA
MOU			
1	Department of Biotechnology	MOU for consultancy	Rasa Life Science, Pune
2	Department of Psychology	MOU	Karve Institute of Social Science
3	Career Oriented Course in 'Embedded Systems & Applications' Department of Electronics	2 Years (2014-2016) collaboration for conduction of part of the curriculum	BICARD-Pune
4	Career Oriented Course in 'Embedded Systems & Applications' Department of Electronics	2 Years (2015-2017) collaboration for conduction of part of the curriculum	Logic Power

5	Career Oriented Course in 'Applied techniques in Industry and laboratories' Department of Microbiology	Food and Water Analysis	Kulkarni Laboratory and Quality Management Services (NABL Accredited Laboratory)
6	Career Oriented Course in 'Applied techniques in Industry and laboratories'' Department of Microbiology	Blood banking techniques	Janakalyan Blood Bank
7	Bachelor of Vocational in Food Processing Technology	MOU	GITS Food Pvt. Ltd.
8	Bachelor of Vocational in Green House technology	MOU	Indian Greenhouses Pvt. Ltd
9	Department of Psychology	MOU (letter of authority)	Tata Trust
10	Department of Psychology	MOU	Principal Global Services (MNC)2014-2017
11	Department of Psychology	MOU (letter of authority)	MASUM national NGO research organization 2014-2017
12	Department of Psychology	MOU (letter of authority)	BAPU trust and FORBES MARSHALL Foundation

5.3.2 Major Achievements of co-curricular activities :

Sr. No.	Name of student	Achievement
1	Prasanna Tare	Best student Trophy of the college for the academic year 2011-12.
2	Nikunj Mapara	Selected for summer fellowship by IAS at Dept. of Physics, Anna University, Chennai.
3	Gauri Diwanji, Pranita Borkar Deepika Yewale	Won fourth prize in poster competition in National Seminar on “Recent Advances in Chemical and Environmental Sciences”.
4	Gayatri Kshirsagar, Himali Khuperkar, Shivanjali Kapse Rohan Patwardhan Priyanka Ghosh	Won first prize in Physics Quiz Competition organized by Department of Physics.
5	Suhasini Venkatesan Manasi Shrouti	Won first prize in quiz competition organized by Department of English
6	Prashant Kumdale	18 th ranked in all over India UGC NET Exam.
7	Swati Bhanange	Received Consolation Prize in the National Conference at Y.M. College, Bharathi Vidyapeeth, Pune
8	John Naphang	Special Prize in a paper presentation competition organized by S.P. College Pune During Political Science festival ‘Neetikushal’.
9	Malhari Thorat	Selected for PSI Exam
10.	Jaspreet Singh and Nachiket Devasthaly	Presented paper on Customer Retention: The New Tension in national seminar at INDSEARCH
11.	Ashwini Koyale	Won first prize in programming at INTERACTION organised by Modern College Ganeshkhind
12.	Jaspreet Singh and Nipun Pandya	Presented a paper at BMCC
13.	Marlyn Abrahm and Maruti Singh	Presented a paper at Christ College Pune
14.	Vikas Vaidya	Passed CA- IPCC examination
15	Shaikh Arshad and Hanumant wadde	Passed CA-IPCC
16.	Bhushan Bhonde	Passed CS-Executive
17.	Rohit Indalkar	Completed Entrepreneurship Development programme conducted by MCED.
18.	Kedar Dumbewar	Passed I P C C Examination.
19.	Manasi Sherma	Cleared LS NET CSIR. 2013
20.	Ankita , Nikita, Shruti Marathe,	Cleared GATE 2013
21.	Shivanjali Kapse	Received Lila Poonawala Foundation Fellowship for Post-graduation (2012-13)

22.	Ruta Kulkarni	Received Lila Poonawala Foundation Fellowship for Post-graduation (212-13)
23.	Nikhil Sarma	Selected for summer training at the Tata Institute of Cancer Research
24	Nikunj Mapra	Awarded fellowship of Indian Academy of Sciences (All India Level) at Anna University Chennai.
25	Shruti Marathe	1. Selected for summer internship at the National Institute of Oceanology, Goa. 2. Third author in the proceeding abstract to be presented at the National Conference on Mycology (at Kolkata) for the paper 'Diversity and Characterization of fungi from the Mangroves of Goa'.
26	Akshay Walhekar	1st prize at National Level Quiz competition organized by Bharati Vidyapeeth.
27	Radhika Adwant and Nikhil Sarma	Awarded 1st position in AVISHKAR 2013, Zonal level organized at F.C. college by University of Pune; 2nd prize in BOTANICA-2013, inter-collegiate level organized by Dept. of Botany, Wadia college.
28	Nikunj Mapra	Received 1 st prize at 'BOTANICA 2013' an inter-college poster competition held at Wadia College on topic 'Fruit Extract mediated synthesis of Polyshaped Silver Nanoparticles.'
29	Puja Malge	1st Prize Poster presentation(PG) at Biosynaps'14 Inter College Competition organized by RJSPM Bhosari
30	Veena N Jadhav	1st Prize Poster presentation(PG) at Biosynaps'14 Inter College Competition organized by RJSPM Bhosari
31	ManikRao R. Thakare	1st Rank in CHEMIAD at University of Pune - Participated in Intercollege Poster competition at RJSPM Bhosari
32	Gauri Jadhav, Sonal Jadhav, Anuja Shinde and Namrata Mane	1st prize at National Conference on Advances and challenges in Green Technology held at Sinhgad College of Science, Ambegaon (BR) 13 th Feb 15
33	Veena Jadhav	1 st prize in paper presentation (Intercollegiate) conducted on 4th Feb. 2014 in "Biosynapse" held at RJSPM College, Bhosari.
34	Sohan Sarawade	Cleared GATE exam
35	Sampada Sonawane	Cleared NET exam.
36	Rupesh Salunke Amol Deshmukh	Outstanding performance during Inventory campaign of "System of Air Quality Forecasting and Research" held by IITM, Pune

37	Mahesh Kutwal	Presented a paper on Natural Product Isolation in the National Seminar at Y.M. College , Pune
38	Mali Govinda	Presented a paper on Natural Product Isolation in the National Seminar at Y.M. College , Pune
39	Manasi Mahajan	Won Prize in Prof. Arnika inter college lecture competition in UOP
40	Saddam Hussain	First prize in seminar presentation in More College
41	Madhuri Khandagale Kavita Chaudhari	First prize in intercollegiate Electronic project competition 'PROELEX' held at Sinhgad College, Pune
42.	Rush iKende	First prize in intercollegiate MIT Tesla 2013 competition 'King of the Ring' held at MIT College of Engineering Pune.
43	Harish Kholam	First prize in intercollegiate Essay competition held at Fergusson college, Pune in Electronics.
44	Prasad Pashankar	Presented a poster titled 'E-Scheduler Display System" at National Conference at Fergusson College, Pune in September 2014
45	Swapnil Shevkari	Selected for one month training by MTTS, Chennai, funded by National Board of Higher Mathematics. First prize in oral presentation at final round of Quiz organised by Pune University at A.G.College,Pune-4
46	Lallianmawii Pachuau	LS, Qualified CSIR-UGC NET examination
47	Amol Kasodekar	JRF, Qualified CSIR-UGC NET examination
48	Nikhil Gaitonde	JRF, Qualified CSIR-UGC NET examination
49	Priyanka Devi	Received Erasmus Mundus scholarship and pursuing PhD at Paris since Sept 2011.
50	Chinmay Tikhe	Pursuing PhD at Louisiana University, USA, since Aug 2011.
51	Bhagyashree Joshi Dhara Lad, Dhanashree Gawade, Bhagyashree Pawale, Swati Mandal, Ruby Verma Shraddha Sonawane	3 posters presented by students in the International Conference: "Business Opportunities in Life Sciences", at Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.
52	Purnima Chitalange and Mansi Kulkarni	Poster presented at National Conference on 'Biotechnology, Bioinformatics and Bioengineering', organized at Kolhapur by Society for Biotechnology, in February 2012.
53.	Lallianmawii Pachuau, Sushama Sharma, Gayatri Choudhari.	Poster presented at National Conference on 'Biodiversity Assessment, Conservation and Utilization', on 10 February 2012 organized

		by Department of Biodiversity, Abasaheb Garware College, Pune and BAIF Development Research Foundation, Pune
54	Vrinda Makhi	Selected for Summer Training Project at Indian Institute of Science, Kolkata in 2012.
55	Dhriti Deka	First prize in model competition in State level workshop for 'Production of good quality cocoons' held on 17 th and 18 th February 2012.
56	Amruta Joshi	Review based on M.Sc. II project was published in reputed International Journal 'Critical Reviews in Microbiology', 2011.
57	Neha Naik	Paper published in reputed journal, 'Annals of Microbiology', based on her MSc II project.
58.	Pranav Pande and Sai Hivarkar	1st prize and Consolation prize respectively for Poster Presentation at DST-PURSE sponsored One Day National Seminar on "Future Perspective of Biological Sciences" organized by Department of Microbiology, Shivaji University, Kolhapur in association with Microbiologists Society, India.
59	Pranav Pande Sai Hivarkar Hemalata Rao Akshay Joshi Harshavardhan Nevkar Ashwini Jog Himali Kharsani Shivprabha Shete Vrushali Walgude	Presented poster at DST-PURSE sponsored One Day National Seminar on "Future Perspective of Biological Sciences" organized by Department of Microbiology, Shivaji University, Kolhapur in association with Microbiologists Society, India on 04 th March, 201
60	Sai Hivarkar Hemalata Rao Akshay Joshi Harshavardhan Nevkar Tejashree Godambe Aparva Kulkarni Himali Kharsani Ashwini Jog Jayashree Khadilkar, Manasi Yadav Pranav Pande	Presented poster at AMI Poster competition organized by AMI (Pune Unit) on 26 th February 2014
61	Payal Joshi	Joined a PG course at University of Leicester, UK.
62	Priya Sharma	Presented a paper entitled "Production of Biodiesel from waste vegetable cooking oil" in International conference organised by Wadia College, Pune.
63	Vishnu Menon	Awarded Ph.D. Degree at NCL, Pune.
64	Gunjan Rathi	Cleared NET-LS and GATE exam

65	Sayali Hanamghar Rutuja Gumaste Amruta Kulkarni Mohnish Sharma Vedang Ghole	A research project “Microbial Fuel Cell” is selected in a National level project competition and funded by Bhau Institute of Technology.
66	Dhriti Deka	First prize in “ Horizon” Live photography conducted First prize in “Business plan competition” in Vividha on 13 th January 2012, conducted at Modern College, Ganeshkhind by Sinhgad College of Scienc, Pune.
67	Sayali Hanamghar, Rutuja Gumaste, Amruta Kulkarni and Vedang Ghole	First prize in model competition “Biofest” conducted by Modern College of Arts, Commerce and Science, Shivajinagar for the model “Microbial Fuel Cell”.
68	Sharwari Sadawarte), Sayali Hanamghar	Selected for carrying out project work under PICC (Pune Inter- collegiate consortium)
69	Vaibhav Lawand Maithili Hanamghar Rutuja Gumaste Amruta Kulkarni Lipi Joshi Vedang Ghole	Selected to participate in different activities by PICC (Pune Inter- collegiate consortium)
70	Kunal Gandhi	Best Poster Award for Presentation at Raman conference. 13 and 14 th Feb. 2015 Organized by Department of Physics, Savitribai Phule Pune Vidyapeeth
71	Rashmi Ahire	Poster selected for Best Poster Award in R.C. Patel college poster competition, Shirpur.
72	Ankush Bhat Parnal Joshi	First prize in poster presentation competition at national level conference ‘Dynamic Microbes: Role in Human welfare’ held at P.E. Society’s Modern College Shivaginagar, Pune -5.
73	Pachua Lallianmawii	1st Prize : poster presentation at national conference ‘Dynamic Microbes: Role in Human welfare’ organized by Modern College Shivaginagar, Pune -5. 20 th and 21 st Feb. 2015
74	Rupali Shelke	First prize at college level in quiz organised by Pune University.
75	Deepak Mishra	First Rank at Pune University Statistics Quiz
76	Waghare Pragati	First Rank at Pune University Statistics Quiz
77	Amol R. Sinalkar	Best NSS volunteer, University of Pune, Ganeshkhind, Pune -07
78	Mrudgandha Ranjanikar Pranali Kulkarni Swarali Kulkarni	First prize - Model making at ZOO FEST, N. Wadia College, Pune

79.	Pooja Waidande Mamta Sharma Madhu kumari Deepshika Manerkar	First prize - Poster Presentation at ZOO FEST, N. Wadia College, Pune
80	Pankaj Gorule, Pravin Pawar	University level Avishkar 2013 Research competition
81	Pankaj Gorule, Pravin Pawar	Best project prize in Anubhuti: 2014
82	Jaspreet Singh and Nachiket Devasthaly	Presented paper on Customer Retention: The New Tension in national seminar at INDSEARCH
83	Ashwini Koyale	First prize in programming at INTERACTION organized by Modern College Ganeshkhind.
84	Vikas Vaidya	Passed CA- IPCC examination
85	Vedanti Zadap, Kirti Kambale, Dhanashree Kambale, Nazaneen Peerzade	Best poster award at International Conference.
86	Ms.Sonika Sharma	Received title of Young Psychologist of the year 2015 in National level paper reading competition
87	Six students form Psychology Department	Chikitsa ,a National level paper Reading Competition organized by Women's Studies Centre, SPPU, Pune. These students were shortlisted from more than 100 entries from all over the country
88	Gayatri Shelke, Neha Gogawale Purva Chavan	Recepient of Lila Poonawalla Foundation Scholarship (2014-15)
89	Akshay Walhekar	Cleared GATE Examination 2013-14
90	Suhasini Venkatesan	Cleared GATE Examination 2013-14
91	Priti Yewale	Cleared GATE Examination 2013-14
92	Mansi Shrouti	Cleared GATE Examination 2013-14
93	Anupriya Kulkarni	Ph.D. McGill University, Canada

Modern College of Arts, Science & Commerce

Ganeshkhind, Pashan Road,
Opp. Pune University Gate
Pune-411016

Balance Sheet

1-Apr-2014 to 31-Mar-2015

Balance as on 31.03.2014				Balance as on 31.03.2015				Balance as on 31.03.2014				Balance as on 31.03.2015			
Liabilities		Assets		Non Grant		Grant		Total		Non Grant		Grant		Total	
Current Liabilities		Fixed Assets		Investments		Deposits (Asset)		Loans & Advances (Asset)		Sundry Debtors		Bank Accounts		Revenue Stamp	
Sundry Creditors		[As Per schedule given]		F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Batchelor of Vocational Grants				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Grants From Central Government				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Grants From Pune University				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Grants From University Grant Commission				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Library Deposit Payable				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Outstanding TDS (Short Deduction)				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Retention Deposits				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Scholarship/Freshhip/ERC Etc Payable				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Student Deposit Payable				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Tax Deducted at Source				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Exam Fee for First Year Students (April 2014)				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Exam Fee for FY Students April 2015				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Exam Fees Payable To University				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Financial Assistance for Dushkalgrasta Students				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Mrs. Shibe Swati				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Profession Tax				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Branch / Divisions				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Excess of Income over Expenditure				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Opening Balance				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Current Period				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
Less: Transferred				F.D with Bank of Maharashtra		F.D with Cosmos Bank		F.D with IDBI Bank		F.D with P.E Society		F.D with Saraswat Bank		F.D with Vishweshwar Bank	
246918936.97		4935603.71		251854540.68		247467230.79		5744780.71		253212011.50		246918936.97		251854540.68	

Ganesh Sathe
Office Superintendent
Modern College of Arts, Science
& Commerce, Ganeshkhind, Pune-16.

For D. V. Satbhai & Co.
Chartered Accountants
D. V. Satbhai
Senior Partner
Membership No. 030272

Modern College of Arts, Science & Commerce
 Ganeshkhind, Pashan Road,
 Opp. Pune University Gate
 Pune

Income and Expenditure Account for the period from

1-Apr-2014 to 31-Mar-2015

Balance as on 31.03.2014			Balance as on 31.03.2015			Income			Balance as on 31.03.2015		
Non Grant	Grant	Total	Non-Grant	Grant	Total				Non Grant	Grant	Total
52821637.97	3138161.90	55959699.87	59913240.88	5514410.00	65427650.88	Direct Expenses		Direct Incomes	65375625.50	5301306.00	70676931.50
19388858.97	749398.90	20138257.87	18364459.00	892048.00	19256507.00	General Expenditure Account		Fees for Conducting Private Courses	86633.00	0.00	86633.00
2525603.00	1645163.00	4171766.00	2236416.18	3266893.00	5503309.18	Office & Contingencies		Fees Received Account	54451285.50	5046718.00	59498003.50
28386161.00	219742.00	28605903.00	34784269.00	293751.00	35078020.00	Pay & Allowances		Other Misc Receipts	10435687.00	197388.00	10633075.00
2520915.00	522858.00	3043773.00	4528096.50	1061718.00	5589814.50	Term Fees Expenses		Sale of Forms	402020.00	36200.00	438220.00
14443135.53	896714.10	15339849.63	5462384.82	0.00	5462384.82	Excess of Income over Expenditure		Grant from University	0.00	21000.00	21000.00
67264673.50	4034876.00	71299549.50	65375625.50	5514410.00	70890035.50	Total Rs.		Excess of Expenditure over Income	0.00	213104.00	213104.00
								Total Rs.	65375625.50	5514410.00	70890035.50



For D. V. Sathish & Co.
 Chartered Accountants

[Signature]
 D. V. Sathish
 Chartered Accountant

Membership No. 430172

[Signature]
Ganesh Sathe
 Office Superintendent
 Modern College of Arts, Science
 & Commerce, Ganeshkhind, Pune-16.

[Handwritten mark]

Modern College of Arts, Science & Commerce, Ganeshkhind, Pune 411016
Schedule of Fixed Assets for the year 1.4.2014 to 31.3.2015

Sr. No.	Particulars	Bal as on 31.3.2014			Additions during the year			Total		Rate of Dep.	Depreciation			W.D.V as on 31.3.2015		
		Grant	Non-Grant	Total	Grant	Non-Grant	Total	Grant	Non-Grant		Grant	Non-Grant	Total	Grant	Non-Grant	Total
1	College Vehicle															
	Omni Maruti	0	73460.00	73460.00	0.00	0.00	0.00	0.00	73460.00	15	0.00	11019.00	11019.00	0.00	62441.00	62441.00
	Tavera	0	351258.00	351258.00	0.00	0.00	0.00	0.00	351258.00	15	0.00	52689.00	52689.00	0.00	298569.00	298569.00
	Wagon R	0	119651.00	119651.00	0.00	0.00	0.00	0.00	119651.00	15	0.00	17948.00	17948.00	0.00	101703.00	101703.00
2	Laboratory Equipments															
	Air Conditioners	0	493696.15	493696.15	0.00	235381.00	235381.00	0.00	729077.15	15	0.00	109362.00	109362.00	0.00	619715.15	619715.15
	Computer & Softwares	1654.00	426965.00	428619.00	28664.00	3360505.00	3389169.00	30318.00	2787470.00	60	9592.00	1388244.00	1397836.00	20726.00	1399226.00	1419952.00
	Lab Equipments - Language Lab	0	2072.00	2072.00	0.00	0.00	0.00	0.00	2072.00	10	0.00	207.00	207.00	0.00	1865.00	1865.00
	Lab Equipments - Botany	0	2010081.00	2010081.00	0.00	0.00	0.00	0.00	2010081.00	10	0.00	201008.00	201008.00	0.00	1809073.00	1809073.00
	Lab Equipments - Chemistry	0	242690.00	242690.00	0.00	0.00	0.00	0.00	242690.00	10	0.00	24269.00	24269.00	0.00	218421.00	218421.00
	Lab Equipments - Electronics	0	1001691.00	1001691.00	0.00	57712.00	57712.00	0.00	1059403.00	10	0.00	105940.00	105940.00	0.00	953463.00	953463.00
	Lab Equipments - Geography	0	175482.00	175482.00	0.00	0.00	0.00	0.00	175482.00	10	0.00	17548.00	17548.00	0.00	157934.00	157934.00
	Lab Equipments - Microbiology	19860.00	1476677.00	1496537.00	47320.00	0.00	0.00	0.00	57346.00	10	0.00	5735.00	5735.00	0.00	51611.00	51611.00
	Lab Equipments - Physics	0	252177.00	252177.00	0.00	0.00	0.00	0.00	252177.00	10	0.00	25218.00	25218.00	0.00	226959.00	226959.00
	Lab Equipments - Statistics	0	2840.00	2840.00	0.00	0.00	0.00	0.00	2840.00	10	0.00	284.00	284.00	0.00	2556.00	2556.00
	Lab Equipments - Zoology	0	424596.00	424596.00	0.00	378000.00	378000.00	0.00	802596.00	10	0.00	80259.00	80259.00	0.00	741236.00	741236.00
	Laboratory Equipments	0	16478.00	16478.00	0.00	0.00	0.00	0.00	16478.00	10	0.00	1648.00	1648.00	0.00	14830.00	14830.00
3	Laptop	0	9163.00	9163.00	0.00	67500.00	67500.00	0.00	76663.00	60	0.00	25748.00	25748.00	0.00	50915.00	50915.00
4	L.C.D	0	98665.45	98665.45	0.00	0.00	0.00	0.00	98665.45	15	0.00	14800.00	14800.00	0.00	83865.45	83865.45
5	Projector	0	0.00	0.00	0.00	471750.00	471750.00	0.00	471750.00	15	0.00	70763.00	70763.00	0.00	400987.00	400987.00
6	Sports Equipment	182077.40	479446.00	661523.40	76794.00	0.00	0.00	258866.40	738312.40	10	22047.00	47945.00	69992.00	236819.40	431501.00	668320.40
7	UPS	0	5741.50	5741.50	0.00	0.00	0.00	0.00	5741.50	60	0.00	3445.00	3445.00	0.00	2296.50	2296.50
8	Video Camera	0	3277.60	3277.60	0.00	0.00	0.00	0.00	3277.60	15	0.00	492.00	492.00	0.00	2785.60	2785.60
9	Weather Station	0	95658.15	95658.15	0.00	0.00	0.00	0.00	95658.15	15	0.00	14349.00	14349.00	0.00	81309.15	81309.15
10	Office Equipments															
	Aqua Guard	0	27902.95	27902.95	0.00	0.00	0.00	0.00	27902.95	15	0.00	4185.00	4185.00	0.00	23717.95	23717.95
	Biometric Machine	0	11230.20	11230.20	25000.00	0.00	0.00	25000.00	11230.20	15	1875.00	1685.00	3560.00	23125.00	9545.20	32670.20
	C.C.T.V.	0	220663.40	220663.40	0.00	46686.00	46686.00	0.00	267349.40	15	0.00	40102.00	40102.00	0.00	227247.40	227247.40
	Copy Printer	0	15120.00	15120.00	0.00	0.00	0.00	0.00	15120.00	60	0.00	9072.00	9072.00	0.00	6048.00	6048.00
	Digital Duplicator	0	138053.47	138053.47	0.00	0.00	0.00	0.00	138053.47	15	0.00	20708.00	20708.00	0.00	117345.47	117345.47
	Electric Transformer	0	735283.15	735283.15	0.00	0.00	0.00	0.00	735283.15	15	0.00	110292.00	110292.00	0.00	624991.15	624991.15
	EPBX Systems	0	126864.20	126864.20	0.00	0.00	0.00	0.00	126864.20	15	0.00	19030.00	19030.00	0.00	107834.20	107834.20
	Fax Machine	0	6496.55	6496.55	0.00	0.00	0.00	0.00	6496.55	15	0.00	974.00	974.00	0.00	5522.55	5522.55
	Fire Extinguisher	0	92744.35	92744.35	0.00	0.00	0.00	0.00	92744.35	15	0.00	13912.00	13912.00	0.00	78832.35	78832.35
	Genetel	10355.00	18587.80	28942.80	33285.00	0.00	0.00	43640.00	18587.80	15	6545.00	2788.00	9334.00	37094.00	15799.80	52893.80
	Office Equipments	0	271363.00	271363.00	0.00	25547.00	25547.00	0.00	296910.00	10	0.00	27296.00	27296.00	0.00	269614.00	269614.00
	T.V./Music System	0	125052.85	125052.85	0.00	11495.00	11495.00	0.00	136547.85	15	0.00	19620.00	19620.00	0.00	116927.85	116927.85
	Utensils	0	10095.45	10095.45	0.00	0.00	0.00	0.00	10095.45	15	0.00	1514.00	1514.00	0.00	8581.45	8581.45
	Water Cooler	0	38253.00	38253.00	0.00	0.00	0.00	0.00	38253.00	15	0.00	5738.00	5738.00	0.00	32515.00	32515.00
	Water Filter	0	955.40	955.40	0.00	0.00	0.00	0.00	955.40	15	0.00	143.00	143.00	0.00	812.40	812.40
	Water Pump	37167.00	39965.30	57132.30	0.00	0.00	0.00	17167.00	39965.30	15	2575.00	5995.00	8570.00	14592.00	33970.30	48562.30



Modern College of Arts, Science & Commerce, Ganeshkhind, Pune 411016
Schedule of Fixed Assets for the year 1.4.2014 to 31.3.2015

Sr. No.	Particulars	Bal as on 31.3.2014			Additions during the year			Total			Rate of Dep.	Depreciation			W.D.V as on 31.3.2015		
		Grant	Non-Grant	Total	Grant	Non-Grant	Total	Grant	Non-Grant	Total		Grant	Non-Grant	Total	Grant	Non-Grant	Total
11	Xerox Machine	0	344556.00	344556.00	48849.00	0.00	48849.00	48849.00	344556.00	393405.00	15	7327.00	51683.00	59010.00	41522.00	292873.00	334395.00
12	Arts Museum	0	0.00	0.00	0.00	58000.00	58000.00	58000.00	58000.00	58000.00	0	0.00	0.00	0.00	0.00	58000.00	58000.00
17	Bowenwell	0	6067.30	6067.30	0.00	0.00	0.00	0.00	6067.30	6067.30	15	0.00	910.00	910.00	0.00	5157.30	5157.30
18	Building Development	0	23715330.00	23715330.00	0.00	1702895.00	1702895.00	0.00	24418225.00	24418225.00	0	0.00	0.00	0.00	0.00	24418225.00	24418225.00
19	Dead Stock	0	3331.80	3331.80	0.00	0.00	0.00	0.00	3331.80	3331.80	10	0.00	333.00	333.00	0.00	2998.80	2998.80
20	Furniture & Fixtures	357822.00	11760035.50	12117857.50	209998.00	4530660.00	4740658.00	567820.00	16290695.50	16858515.50	10	46282.00	1525065.00	1571347.00	521538.00	14765630.50	15287168.50
21	Garden	0	884727.00	884727.00	0.00	0.00	0.00	0.00	884727.00	884727.00	0	0.00	0.00	0.00	0.00	884727.00	884727.00
22	Gymnasium Equipments	0	43865.00	43865.00	0.00	0.00	0.00	0.00	43865.00	43865.00	10	0.00	4387.00	4387.00	0.00	39478.00	39478.00
23	Library Books	72863.70	1089833.46	1161697.16	99900.00	158279.00	258079.00	171763.70	1248012.46	1419776.16	15	21922.00	182557.00	204479.00	149841.70	1065455.46	1215297.16
24	Murals	0	167105.00	167105.00	0.00	25460.00	25460.00	0.00	192565.00	192565.00	10	0.00	19257.00	19257.00	0.00	173308.00	173308.00
25	Office Furniture	0	58164.00	58164.00	0.00	0.00	0.00	0.00	58164.00	58164.00	10	0.00	5816.00	5816.00	0.00	52348.00	52348.00
26	Parking Space	0	82170.00	82170.00	0.00	0.00	0.00	0.00	82170.00	82170.00	0	0.00	0.00	0.00	0.00	82170.00	82170.00
27	Teaching Aids	0	11843.05	11843.05	0.00	0.00	0.00	0.00	11843.05	11843.05	15	0.00	1776.00	1776.00	0.00	10067.05	10067.05
28	Cash Locker	28305.00	0.00	28305.00	0.00	0.00	0.00	28305.00	0.00	28305.00	15	4246.00	4246.00	4246.00	24059.00	0.00	24059.00
	Total	689099.10	48364771.03	49053870.13	569810.00	8629770.00	9199580.00	1258909.10	56994541.03	58253450.13		127827.00	4422527.00	4550354.00	1131082.10	52572014.03	53703096.13



Ganesh Sathe
Ganesh Sathe
Office Superintendent
Modern College of Arts, Science
& Commerce, Ganeshkhind, Pune-16.

[Signature]
Principal
Modern College of Arts, Science
& Commerce, Ganeshkhind, Pune-16

[Signature]

For D. V. Seethai & Co.
Chartered Accountants
[Signature]
Dilip V. Seethai
Senior Partner
Membership No. 030272



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed*

Peer Team is pleased to declare the

Progressive Education Society's

Modern College of Arts, Science & Commerce

Ganeshkhind, Pune, affiliated to University of Pune, Maharashtra as

Accredited

with CGPA of 3.10 on four point scale

at A grade

Valid up to March 26, 2016

Date : March 27, 2011



HARSHVARDH
Director

Peer Team Report on institutional accreditation of

**Progressive Education Society's
Modern College of Arts, Science and Commerce,
Ganeshkhind, Pune - 411 053
Maharashtra**

Section: I General Information		
1.1	Name and address of the Institution	Progressive Education Society's Modern College of Arts, Science and Commerce, Ganeshkhind, Pune - 411 053
1.2	Year of Establishment	1992
1.3	Current Academic Activities at the Institution (Numbers):	
	Faculties/ Schools	3 (Arts, Science & Commerce)
	Department/ Centres	30
	Programmes/ courses offered:	UG: 15 PG: 09 Research: 02 Others (Certificate Courses): 07
	Permanent Faculty Members:	87
	Permanent support staff:	60
	Students:	3933
1.4	Three major features in the Institutional context (As perceived by the Peer team):	<ul style="list-style-type: none"> • A 75 year old Society of teachers with progressive outlook runs the college • It has dominant enrolment of girl students • An impressive percentage of faculty are women
1.5	Date of visit of the peer	27 January 2011 to 29 January 2011
1.6	Composition of Peer Team which undertook the on-site visit Chairman: Member: Member coordinator:	1. Prof. Sudarshan Nanda 2. Prof. I. Ramabrahmam 3. Dr. K. N. Pushpalatha
Section: II Criterion wise Analysis		Observations (Strengths and / or weakness) on
2.1	Curricular Aspects	
2.1.1	Curricular Design and Development :	<ul style="list-style-type: none"> • Vision and Mission clearly stated • Academic Programs reflects the vision • Contribution of faculty in Curricular Design and Development is evidenced by senior faculty's membership in BOS of Pune University
2.1.2	Academic Flexibility:	<ul style="list-style-type: none"> • Nine PG and 15 UG • Seven Certificate courses. • College offers aided and self-financing courses
2.1.3	Feedback on Curriculum:	<ul style="list-style-type: none"> • It is in vogue. • Formal correction mechanism exists.

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2.1.4	Curriculum update:	<ul style="list-style-type: none"> • Faculty participate in workshops and seminars • Most of the faculty availed the benefit of staff development programmes.
2.1.5	Best practices in Curricular aspects :	<ul style="list-style-type: none"> • College has an IQAC • Seven certificate courses are available
2.2	Teaching Learning & Evaluation :	
2.2.1	Admission Process and student profile	<ul style="list-style-type: none"> • Transparent admission process exists • In certain self-finance courses admissions are through entrance examination • Mentoring and Counselling Cells are in place
2.2.2	Catering to diverse needs :	<ul style="list-style-type: none"> • Students from lower income section and first generation learners are in Arts and Commerce courses. • Bridge courses are conducted at faculty level • UGC sponsored remedial coaching for SC/ST students is in existence
2.2.3	Teaching Learning process	<ul style="list-style-type: none"> • Use of ICT in teaching is in practice • AV/LCD and other teaching methods are in use
2.2.4	Teacher Quality:	<ul style="list-style-type: none"> • A good number of faculty keep pace with recent developments. • Recruitment as per UGC and government guidelines • Ad-hoc appointments are made to teach new courses as per requirement • Few faculty received best teacher awards by University of Pune and the Management
2.2.5	Evaluation Process and Reforms	<ul style="list-style-type: none"> • Adheres to University schedule • Continuous evaluation followed
2.2.6	Best practice in Teaching-learning and Evaluation	<ul style="list-style-type: none"> • Special lectures in the frontier / emerging areas are arranged. • Evaluation process is well-maintained
2.3	Research, Consultancy & Extension	
2.3.1	Promotion of Research	<ul style="list-style-type: none"> • Encouragement to faculty to do research • Facilitated establishment of research centre in Microbiology, Chemistry, Biotechnology
2.3.2	Research and Publication output	<ul style="list-style-type: none"> • 24 Minor Research Projects from Board of College and University Development, University of Pune and UGC • Three patents, two in Biotechnology and one in Chemistry obtained. • Faculty members have research publications in International Peer-reviewed Journals with good Impact Factor. • Some have published text books
2.3.3	Consultancy	<ul style="list-style-type: none"> • A few consultancies are initiated
2.3.4	Extension activities	<ul style="list-style-type: none"> • NSS activities are taken up and involved more than 200 students • No NCC unit but students are enrolled in other NCC units. • Good sports facilities created.

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2.3.5	Collaborations	<ul style="list-style-type: none"> Involved in collaborative activities with industries Also with civil society
2.3.6	Best practice in research, Consultancy and Extension	<ul style="list-style-type: none"> Management is promoting the culture of research Good research publications are brought out by some faculty members
2.4	Infrastructure and Learning Resources	
2.4.1	Physical Facilities for Learning	<ul style="list-style-type: none"> Well equipped labs Has language lab Has an Audio Visual Hall
2.4.2	Maintenance of Infrastructure	<ul style="list-style-type: none"> Infrastructure maintained
2.4.3	Library as a Learning Resource	<ul style="list-style-type: none"> Fully automated library Has inter-library borrowing, <i>UGC-INFONET</i>, <i>DELNET</i> for online access
2.4.4	ICT as a Learning resource	<ul style="list-style-type: none"> Has access to <i>DELNET</i>, <i>INFONET</i> Has computer facilities
2.4.5	Other facilities	<ul style="list-style-type: none">
2.4.6	Best Practice in the development of Infrastructure and Learning Resources	<ul style="list-style-type: none"> Open access Good computer facility E-journals/ e-book facility
2.5	Student support and progression	
2.5.1	Student progression	<ul style="list-style-type: none"> Dropout negligible Noticeable increase in the reserved student strength Steady improvement in student placements Sanctioned intake is not fully met
2.5.2	Student Support	<ul style="list-style-type: none"> Prospectus updating on web Hand book printed Special encouragement to sport-persons College provide scholarships
2.5.3	Student Activities	<ul style="list-style-type: none"> Alumni Association to be registered. Wall magazines '<i>Flair</i>' is maintained by the students. Annual magazine <i>Akanksha</i> and <i>Kaleidoscope</i> by Psychology Department, <i>Commerce Horizon</i> by Commerce Department etc. are brought out
2.5.4	Best Practice in Student Support and progression	<ul style="list-style-type: none"> Highest honors given by Maharashtra Government- <i>Shivchhatrapati</i> Award to some students Participation in International and National sport events and some won gold medals.
2.6	Governance and Leadership	
2.6.1	Institutional Vision and Leadership	<ul style="list-style-type: none"> Courses in tune with contemporary challenges Committed leadership of management

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2.6.2	Organizational arrangements	<ul style="list-style-type: none"> • Good organizational arrangements
2.6.3	Strategy development and deployment	<ul style="list-style-type: none"> • College plan prepared • Several committees are in place
2.6.4	Human Resource Development	<ul style="list-style-type: none"> • Good • Recruitment rules followed • Staff deputed to workshops
2.6.5	Financial Management and Resource Mobilization	<ul style="list-style-type: none"> • College gets grant from UGC to run UG courses • Development grant also from UGC • Fee from self finance.
2.6.6	Best Practice in Governance and Leadership	<ul style="list-style-type: none"> • Sharing of responsibilities • Encouragement of professional developments
2.7	Innovative practice	
2.7.1	Internal Quality Assurance System	<ul style="list-style-type: none"> • IQAC collects opinion from stakeholders • Committee takes care for curricular and extra curricular responsibilities • Student centric activities encouraged
2.7.2	Inclusive practice	<ul style="list-style-type: none"> • Government rules followed in admission • Economically weaker sections given financial help
2.7.3	Stakeholder Relationship	<ul style="list-style-type: none"> • IQAC has a representative from corporate sector • Various committees look after teaching, non-teaching activities • Good participation of students in NSS programmes
	Section III Over Analysis	Observations
3.1	Institutional Strengths	<ul style="list-style-type: none"> • The college has good academic ambience and proactive management • It has dedicated and competent faculty • College has good support services • Gets financial support from UGC, State Government and University of Pune • Some faculty members are active in research and publications
3.2	Institutional weaknesses	<ul style="list-style-type: none"> • Space constraints for future expansions. • Hostel facilities for few students available. • Need a separate library for PG and Research.
3.3	Institutional challenges	<ul style="list-style-type: none"> • Initiating inter-disciplinary courses • Publications in refereed journals needs to be improved
3.4	Institutional Opportunities	<ul style="list-style-type: none"> • In a position to expand opportunities for needy section • Examine the possibility for need-based courses • Need to establish Women Studies Centre

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**Section IV:
Recommendations for Quality
Enhancement for the Institution**

- Improve infrastructure facilities for faculty, students and labs and hostels
- Examine the possibility for starting a five year integrated course in Biotechnology to begin with.
- All teachers may be encouraged to attend professional development courses.
- Explore more avenues for collaborative research with institutes/ Universities/ Industry
- Opportunities may be provided to faculty for further studies to improve their qualifications
- Explore the possibilities for the students internships and project work during vacation in industries/ universities/ laboratories on a larger scale
- Starting of PG courses like MBA, Financial Management, Finance and Control, PG courses in Social Science, Mathematics and Computing in collaboration with other institute of the same management.
- Law course with specialisation in IPR, Cyber Law may be examined in collaboration with Law College.
- Medical Group Insurance for students and employees may be explored.
- Opening of M. Phil. Course in some departments may be examined.

Name Signature with date

1. Chairperson

: Prof. Sudarshan Nanda

S. Nanda
29.1.11

2. Member

: Prof. I. Ramabrahmam

I. Ramabrahmam
29.1.2011

3. Member Co-ordinator

: Dr. K. N. Pushpalatha

K. N. Pushpalatha
29/1/11



Signature of the Head of the Institution
With date & Seal

Principal

**Modern College of Arts, Science
& Commerce, Ganeshkhind, Pune-53**

skd/post

P.K. Sharma
Under Secretary
Ph. 011-23238849
UGC Website: www.ugc.ac.in

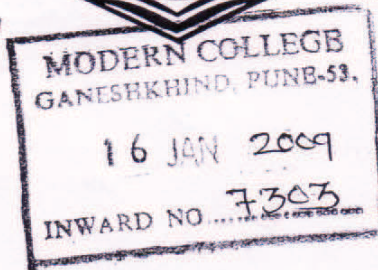


विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002

UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

F.8-290/2006 (CPP-I)

The Registrar,
University of Pune,
Ganeshkhind,
Pune-411 007 (M.S.)



January, 2009

Sub:- List of Colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956-
Inclusion of New College.

Sir,

I am directed to refer to the letter No. PU/DEV - 1877 dated 17.11.2008 received from the University of Pune, on the subject cited above and to say that the name of the following College has been included in the list of Colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head Non-Government Colleges teaching upto Post Graduate Degree:-

Name of the College	Year of Establishment	Remarks
P.E.S. Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-411 053 (M.S.)	1992	The College is eligible to receive Central assistance in terms of the Rules framed under Section 12 (B) of the UGC Act, 1956.
(On permanent affiliation)		

The Indemnity Bond and other documents submitted in respect of the above College have been accepted by the Commission.

Yours faithfully,

(P.K. Sharma)
Under Secretary

Copy forwarded to:-

- ✓ 1. The Principal, P.E.S. Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-411 053 (M.S.).
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education & Higher Education, Shastri Bhavan, New Delhi-110 001
3. The Secretary, Government of Maharashtra, Higher Education Department, Mumbai (M.S.).
4. The Deputy Secretary, UGC, Western Regional Office, Ganeshkhind, Poona University Campus, Pune (M.S.)-411 007
5. Publication Officer, UGC-Website, New Delhi.
6. Section Officer (F.D.-III Section) U.G.C., New Delhi.
7. All Sections, U.G.C, New Delhi
8. Guard File

Sunita Gulati
(Mrs. Sunita Gulati)
Section Officer

sd,
M. Sathie
PT to -
Dr. Ekhoti,
Chairman, Progressive
Education Society,
Prof. Dixit
Prof. Tedkar
Sul

Savitribai Phule Pune University

(Formerly University of Pune)

Telephone Nos. :

020 - 25691233

25601258

25601259

25601257



ACADEMIC SECTION

Ganeshkhind, Pune - 411007, INDIA

Telegraph : 'UNIPUNE'

Fax : 020-25691233

Website : www.unipune.ac.in

E-mail : dyracademic@unipune.ac.in

Date : 26/3/2016

Ref. No. : C A 1615

TO WHOM IT MAY CONCERN

This is to certify that Progressive Education Society's, Modern College of Arts, Science and Commerce, Ganeshkind, Pune - 411 016 Maharashtra State is affiliated to the Savitribai Phule Pune University(SPPU) (Formerly University of Pune) since 1992. The following Courses are taught in the said college as per approval , its ID No. is PU/PN/ASC/089/1992.

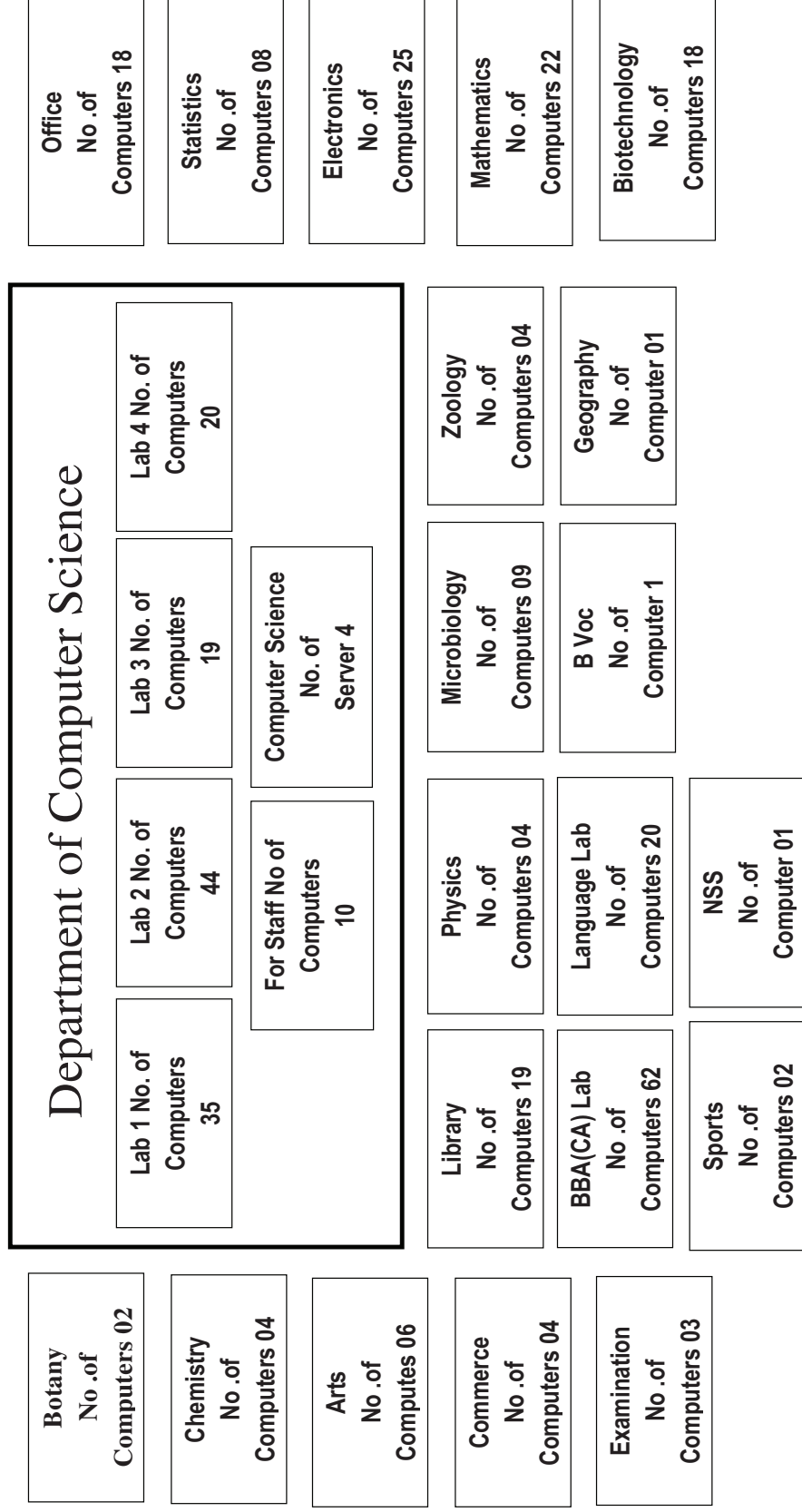
Sr. No.	Course	Duration of the course	Affiliation (Permanent/ Temporary)	Validity period
1.	First to Third Year B.Com	3 Years	Permanent	From 2003 - 2004
2.	First to Third Year B.A	3 Years	Permanent	From 2003 - 2004
3.	First to Third Year B. Sc	3 Years	Permanent	From 2003 - 2004
4.	First to Third Year B. Sc -Biotechnology (First Division)	3 Years	Permanent	From 2009 - 2010
5.	First and Second Year M. Sc - Microbiology (First Division)	2 Years	Permanent	From 2009 - 2010
6.	First to Third Year B. Sc (Computer Science) (First Division)	3 Years	Permanent	From 2009 - 2010
7.	First and Second Year M. Sc - Computer Science (First Division)	2 Years	Permanent	From 2009 - 2010
8.	First and Second Year M.Com (First Division)	2 Years	Permanent	From 2009 - 2010
9.	First and Second Year M.A. Economics	2 Years	Permanent	From 2012 - 2013
10.	First to Third Year B.B.A. (Computer Application) (B.C.A. Old) (First Division)	3 Years	Permanent	From 2012 - 2013
11.	First and Second Year M. Sc (Organic Chemistry)	2 Years	Permanent	From 2012 - 2013
12.	First to Third Year B. Sc (Computer Science) (Second Division)	3 Years	Permanent	From 2012 - 2013
13.	First to Third Year B. Sc (Computer Science) (Third Division)	3 Years	Permanent	From 2013- 2014
14.	First and Second Year M. Sc - Computer Science (Second Division)	2 Years	Permanent	From 2013- 2014
15.	First to Third Year B. Sc -Biotechnology (Second Division)	3 Years	Permanent	From 2013- 2014

16.	First and Second Year M. Sc – Microbiology (Second Division)	2 Years	Permanent	From 2013- 2014
17.	First to Third Year B.B.A. (Computer Application) (B.C.A. Old) (Second Division)	3 Years	Temporary	Up To 2016-2017
18.	First and Second Year M.A. History	2 Years	Temporary	Up To 2016-2017
19.	First and Second Year M.A. Sociology	2 Years	Temporary	Up To 2016-2017
20.	First and Second Year M. Sc – Biotechnology	2 Years	Temporary	Up To 2016-2017
21.	First to Third Year B. Sc - Animation	3 Years	Temporary	Up To 2016-2017
22.	First and Second Year M. Sc – Zoology	2 Years	Temporary	Up To 2016-2017
23.	First to Third Year B.A	3 Years	Temporary	Up To 2016-2017
24.	First to Third Year B. Sc (Second Division)	3 Years	Temporary	Up To 2016-2017
25.	B.Voc.(Food Processing Technology)	3 Years	Temporary	From 2014-15
26.	B.Voc.(Green House Technology)	3 Years	Temporary	From 2014-15

The said certificate is issued as per the request application received from the Principal of the College vide his letter **MCASC-16/2015-16/1572 dated 11/03/2016** to **submit** the same to the National Assessment and Accreditation Council (NAAC), Bangalore.


DIRECTOR
(B.C.U.D)

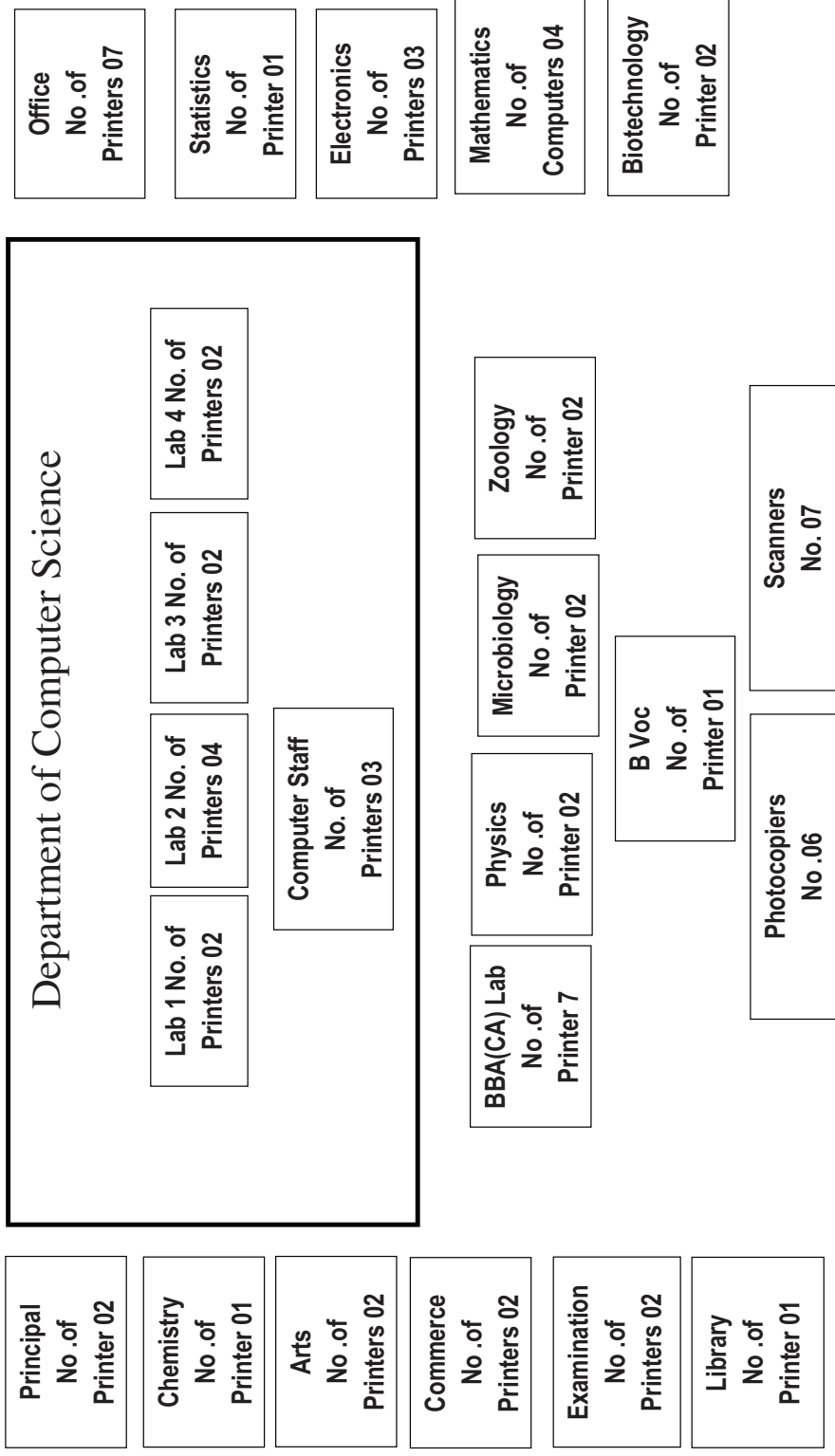
P.E. Society's
Modern College of Arts, Science and Commerce, Ganeshkhind, Pune- 411016
Location Map of 365 Computers



P.E. Society's

Modern College of Arts, Science and Commerce, Ganeshkhind, Pune- 411016

Location Map of 54 Printers



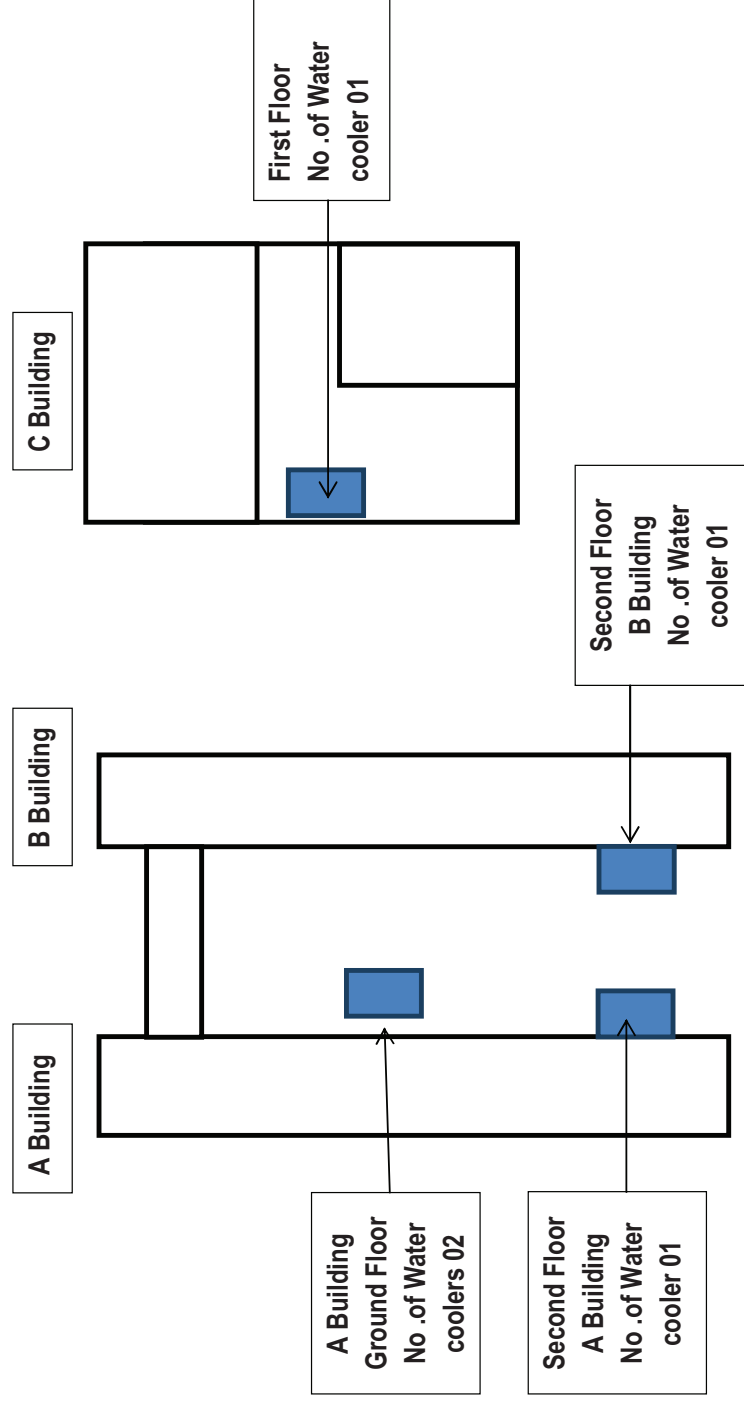
P.E. Society's

Modern College of Arts, Science and Commerce, Ganeshkhind, Pune- 411016

Location Map of 32 LCD Projectors

Sr No	Room No.	LCD Projector				
1	A4	1	Sr No	Department	LCD Projector	
2	A5	1	18	Geography	1	
3	A6	1	19	Zoology	1	
4	L1	1	20	History	1	
5	L2	1	21	BBA(CA) Lab	1	
6	L8	1	22	B Voc	1	
7	L9	1	23	Commerce Lab	1	
8	L10	1	24	Virtual Class Room	1	
9	L11	1	25	Computer Lab IV	1	
10	L12	1	26	Biotechnology	1	
11	L13	1	27	Microbiology	1	
12	N1	1	28	Mathematics	1	
13	N2	1	29	Chemistry	1	
14	C8	1	30	Library	1	
15	C9	1	31	Audio Visual Hall	1	
16	C10	1	32	IQAC Room	1	
17	C10	1				

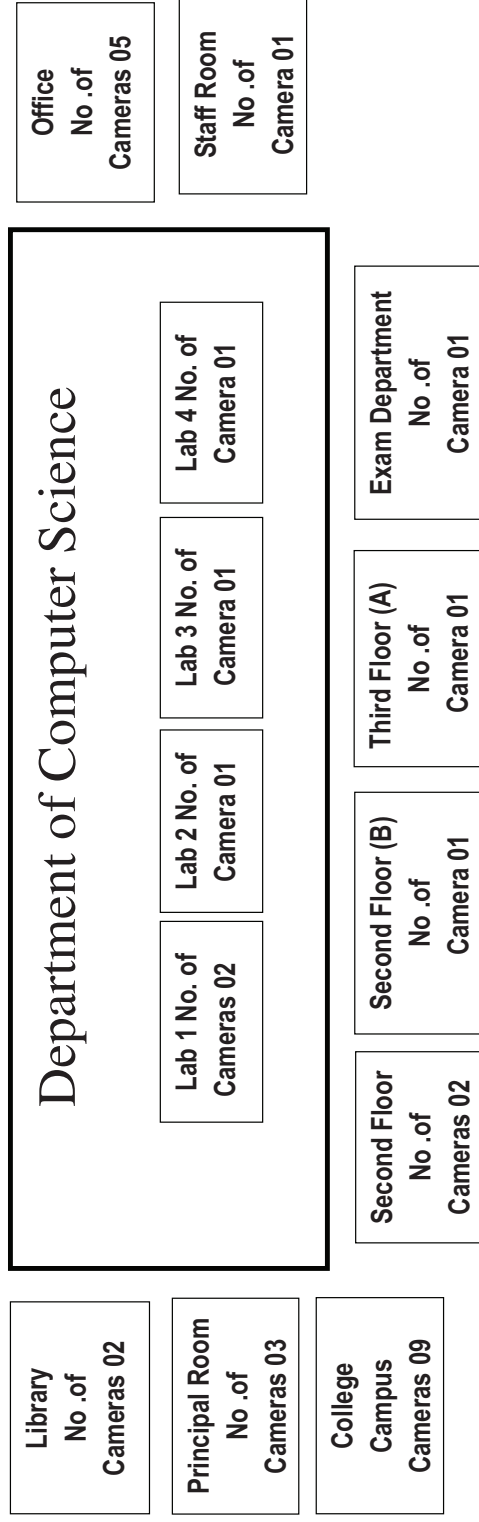
P.E. Society's
Modern College of Arts, Science and Commerce, Ganeshkhind, Pune- 411016
Location Map of 5 Water Coolers

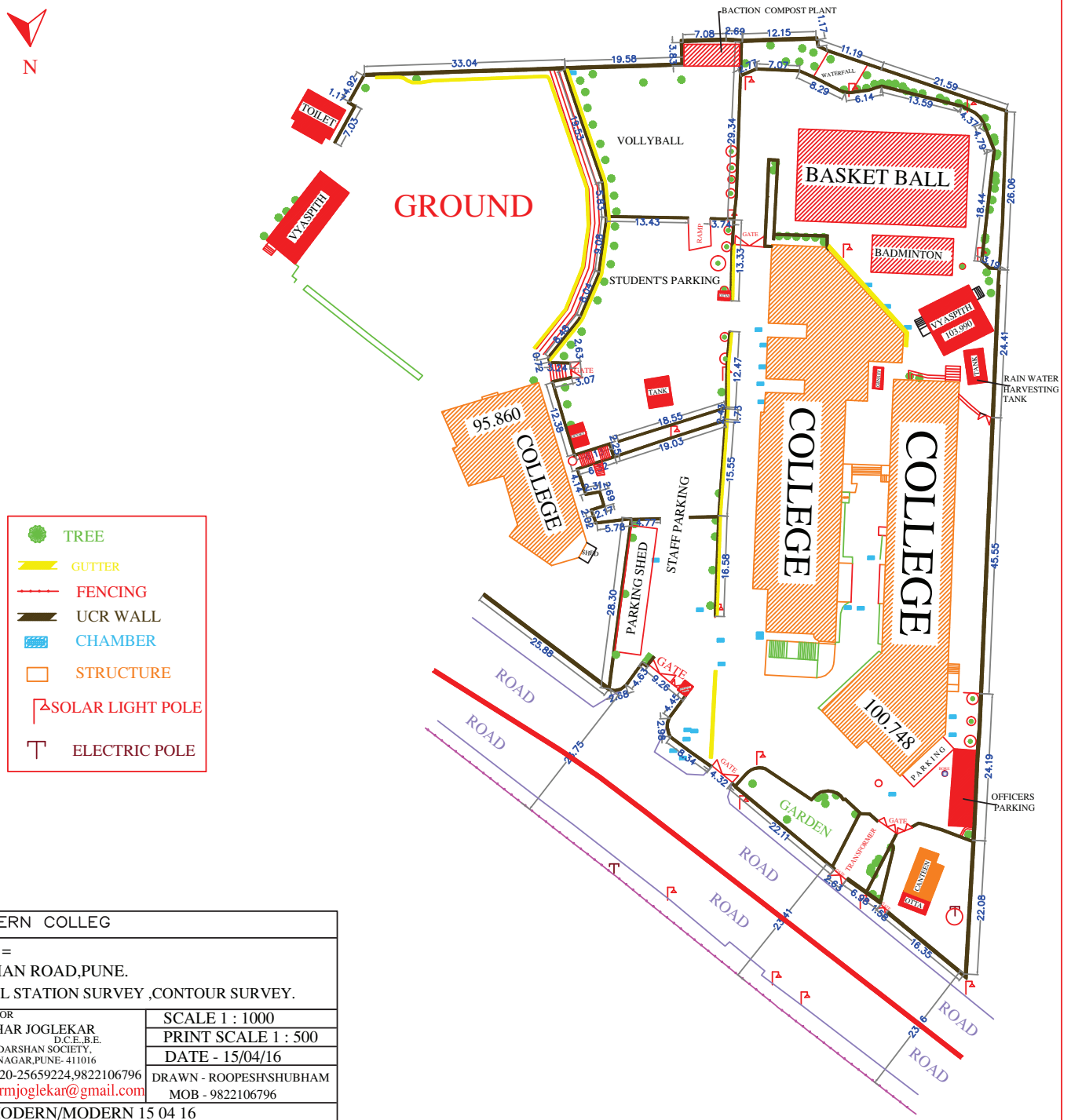


P.E. Society's

Modern College of Arts, Science and Commerce, Ganeshkhind, Pune- 411016

Location Map of 30CCTV Cameras







Progressive Education Society's

Modern College of Arts, Science & Commerce

Ganeshkhind, Pune 411016.

Re-Accredited by NAAC with 'A' grade

Dr. Sanjay S. Kharat

M.Sc., L.L.B., M.B.A., Ph.D.

Principal

- Affiliated to Savitribai Phule Pune University: PUN / PN / ASC/ 089 (1992)
- UGC - Recognition No.: F-8-290 /2006(CPP-I)
- Best College Award by Savitribai Phule Pune University - 2013
- DST-FIST sponsored college
- STAR College Scheme sponsored by DBT.

Tel.: 020 25634021, 25631091

Fax: 020 25650931

e-Mail: info@moderncollegegk.org

Website: www.moderncollegegk.org

Declaration by the Head of the Institute

I certify that the data included in the Self Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the Peer team visit.

Date: 19/04/2016

Place: Ganeshkhind, Pune

Dr. Sanjay S. Kharat

Principal

Modern College of Arts, Science
& Commerce, Ganeshkhind, Pune-16.

