

A REPORT ON
GREEN HOUSE GAS EMISSION PATTERN



(ACADEMIC YEAR:2019-20)



**Progressive Education Society's
Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-411016,
Maharashtra, India.**

<https://www.moderncollegegk.org/>

**Affiliated to Savitribai Phule University, Pune
Re-accredited by NAAC with A grade
DST-FEST, DBT-STAR College**

Best Innovative College Award (2019-20) by CEDA

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Abbreviations:

| Sr. No. | Abbreviation | Description |
|---------|----------------------|--|
| 1. | PESMCASCG | Progressive Education Society's Modern College of Arts, Science and Commerce, Ganeshkhind. |
| 2. | GHG | Green House Gases |
| 3. | CFP | Carbon Foot Printing |
| 4. | CO ₂ e | Carbon dioxide equivalents |
| 5. | kg CO ₂ e | Kilograms of Carbon dioxide equivalents |
| 6. | t CO ₂ e | tons of Carbon dioxide equivalents |
| 7. | NAAC | National Assessment and Accreditation Council |
| 8. | SPPU | Savitribai Phule University, Pune |
| 9. | UGC | University Grands Commission |
| 10. | DST | Department of Science and Technology, Government of India |
| 11. | DBT | Department of Biotechnology, Government of India |
| 12. | BCUD | Board of College and University Development |
| 13. | ppm | Parts per million |
| 14. | IPCC | Intergovernmental panel on Climate Change |
| 15. | DTC | Data Collection Tools |
| 16. | LPG | Liquefied Petroleum gas |
| 17. | BT | Biotechnology |
| 18. | CS | Computer Science |
| 19. | Bot | Botany |
| 20. | Zoo | Zoology |
| 21. | MB | Microbiology |
| 22. | Chem | Chemistry |
| 23. | Phys | Physics |

1. SUMMARY OF DEPARTMENT WISE GHG EMISSION IN **KG CO₂e** PER YEAR

| Sr. No. | Department | kg CO ₂ e |
|---------|-------------------------|----------------------|
| 1 | BT | 81782.71936 |
| 2 | CS | 87907.6672 |
| 3 | Bot | 68814.0819 |
| 4 | Zoo | 98781.9705 |
| 5 | MB | 44586.5611 |
| 6 | Chem | 114097.8484 |
| 7 | Phys | 38459.6683 |
| 8 | Electronics | 97174.2113 |
| 9 | Maths | 49304.545 |
| 10 | Stat | 11378.9023 |
| 11 | BCA science | 51325.2814 |
| 12 | B.Voc | 32082.99 |
| 13 | Commerce | 131692.36 |
| 14 | Business Administration | 52570.63 |
| 15 | Geography | 15666.572 |
| 16 | Economics | 24298.793 |
| 17 | English | 375273.43 |
| 18 | Sociology | 95683.2 |
| 19 | Hindi | 5225.73 |
| 20 | History | 18250.73 |
| 21 | Marathi | 287.96 |

| | | |
|----|----------------------|-------------|
| 22 | Political Science | 128095.28 |
| 23 | Psychology | 31641.99 |
| 24 | Canteens | 6766.52 |
| 25 | Administration | 55958.675 |
| 26 | PE, Sports, NCC, NSS | 1312.556 |
| 27 | Library | 6042.37 |
| | Total | 1724463.243 |

2. INTRODUCTION:

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.

Progressive Education Society's, Modern college of Arts, Science and Commerce, Ganeshkhind, Pune - 16 is always engage in addressing various issues in environment through various activities such as

- Water conservation through various initiatives like rally, cleanliness drive, visits, photograph competition
- e-documentation and digitization of administrative documents and records is in practice
- promotes use of ICT
- Centralized e-waste management and hazardous chemicals
- Use of power-saving LED bulbs,
- Organic waste-management through Baction-composting and drip irrigation.
- Green audit and energy audit
- Promoting green mission by planting trees, raising seedlings, conservation of plants and community eco services
- Installation of Hybrid Solar-wind energy project in the campus.

In this report, the GHG quantification is done in terms of carbon footprints (CFP). The CFPs are expressed as Carbon dioxide equivalents (CO₂e) in relevant multiples.

3. METHODOLOGY:

3.1 Study area:

- The College caters to nearly 6000 students under different faculties. College has three building and 25 departments.

Area of Building A : 3555.66 sq.mtr.

Area of Building B : 0822.00 sq.mtr.

Area of Building A : 1540.00 sq.mtr.

Total area : 5917.66 sq.mtr.

- No. of Classroom: 30 (1780.86 sq.mtr.)
- No. of Laboratory: 33 (2247.85 sq.mtr.)
- Library: 01 (288 sq.mts)
- Sports area: 01 (53.75 sq.mts.)
- Canteen:01
- Parking area: 02

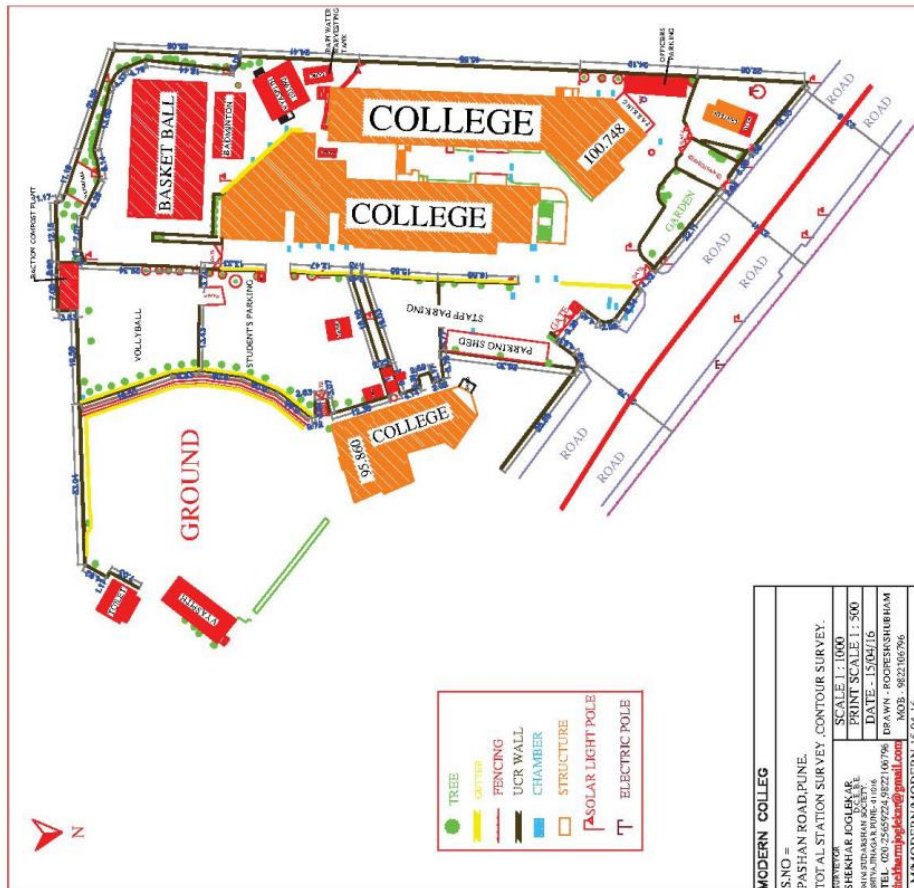


Fig-1 College Campus

3.2 METHODS:

The general methodology employed is outlined in Fig. 2. It involved four steps as

- **Identification of working boundaries:** The working boundaries were identified as activities (operational) in each academic department (organizational) such as teaching-learning processes, research, extension, and outreach programs. It should be noted that CFs due non-academic activities in the institute like maintenance of non-movable assets such as buildings (painting, renovation, and refurbishment) are not considered.
- **Data collection:** The data were collected by sharing a questionnaire which includes all relevant information for carbon footprint to heads of all departments. The data of other than department such as canteen, office administrations department were collected personally. The Specific customized data collection tool (DCT) in the form of a questionnaire was obtained and compiled in Microsoft excel spreadsheet for calculations of CFCs.
- **Identification of emission sources:** Procured data resulted in the identification of all direct and in-direct emission sources within the campus (Fig. 1). The identified sources were classified as scope-1, scope-2 and scope-3 as per the IPCC guidelines. Emitters adding GHGs directly in the atmosphere are classified as scope-1 emitters. These include burning fossils, use of LPG and human respiration. Consumption of burning fossils, use of LPG and human respiration. Consumption of electricity, purchased from the public sector Maharashtra state electricity distribution Company limited (MSEDCL) is the only scope-2 emission source. All other emission sources which do not emit GHGs directly such as use of paper, chemicals, water, other stationary items, biodegradable and non-biodegradable waste etc are classified in the scope-3.
- **Calculations and reporting:** Various standards and conversion factors such as from Defra/ DECC's Greenhouse Gas Conversion Factors for Company Reporting, WBSCD/WRI - World Business Council for Sustainable Development/World Resources Institute, ISO - International Standardisation Organization, GRI - Global Reporting Initiative, EU ETS - European Union Emissions Trading Scheme, IPIECA - International The method outlined by Robinson et al. (2018) is the most suitable to evaluate CFs of educational institutes. Although, the methodology employed in the present work is similar to that one developed by Robinson et al. (2018), few modifications are made to account for local conditions with respect to Indian HEI. The calculations in this report was done by methods used in previous report of Carbon footprint by Dr. Sunil Kulkarni, who is Associate Professor working with Sir Parashurambhu College, Tilak Road, Pune-30, Maharashtra, India. The method were used is a bottom up approach to evaluate the carbon footprints of a higher educational institute in India for sustainable existence (Kulkarni, S.D., 2019)

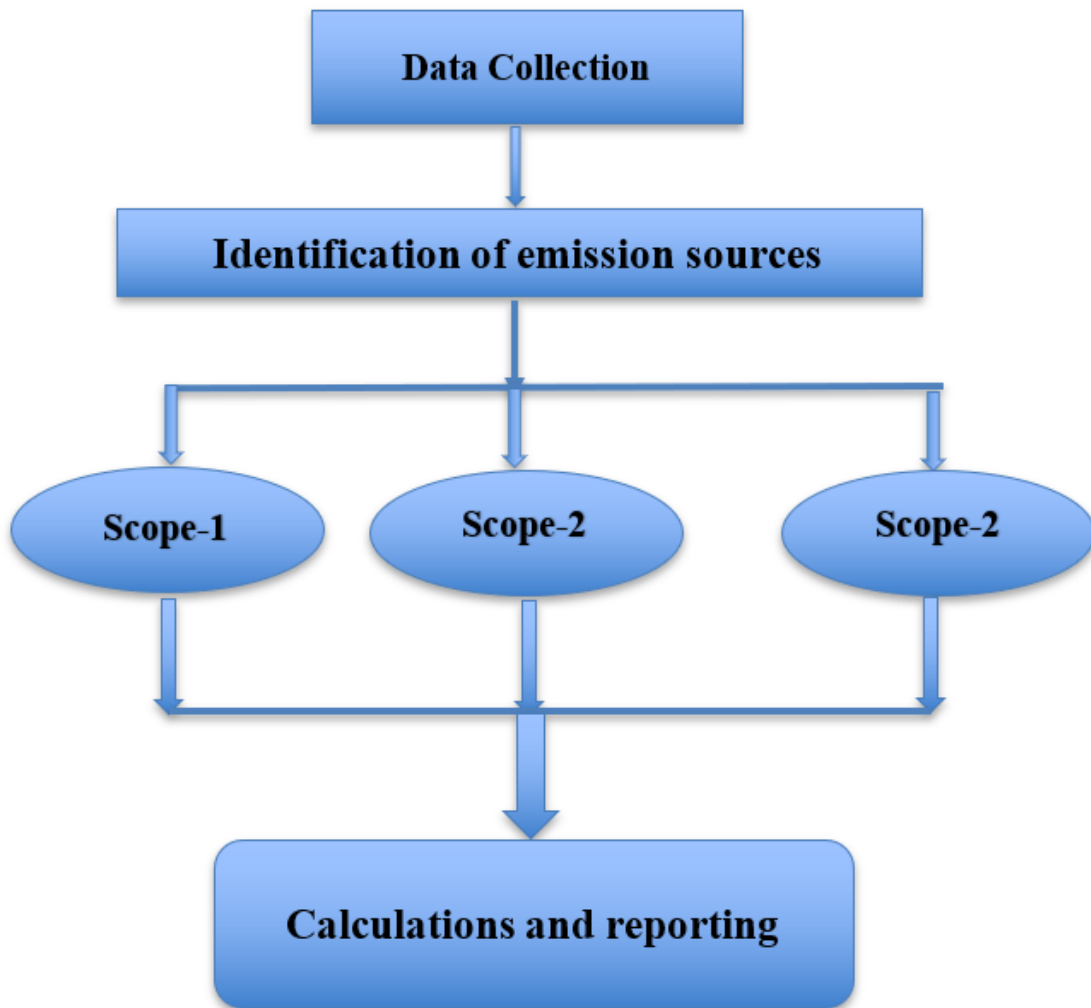


Fig-2: Steps involve in methodology

1. **SCOPE-1:** (1) Use of LPG, (2) Transport of staff, (3) Human breathing (1) Travel of staff and educational trips
2. **SCOPE-2** (1) Electricity
3. **SCOPE-3** (1) Degradable and non-degradable waste, (2) paper, (3) Ink, (4) Toners, (5) Events (6) chemicals etc

4. DATA ANALYSIS:

4.1 CLASSIFICATION OF SOURCES OF EMISSION:

Classification of emission inventories/sources as per the Scopes defined by IPCC.

4. **SCOPE-1:** (1) Use of LPG, (2) Transport of staff, (3) Human breathing (1) Travel of staff and educational trips
5. **SCOPE-2** (1) Electricity
6. **SCOPE-3** (1) Degradable and non-degradable waste, (2) paper, (3) Ink, (4) Toners, (5) Events (6) chemicals etc

Emission scope wise contribution to GHG emission of PSSMCASC is shown in the **figure 3**.

Scope 1 contributes 30.77%, scope 2 contributes 41.74% and scope 3 contributes 27.49% of emission sources of PSMCASC.

Scope 1 emission is directly adding carbon dioxide to the atmosphere. If the carpooling among the staff coming from the same area in the city to the college, use of renewable energy powered heating appliances instead of LPG powered may significantly lead to lowering of scope 1 emission.

Scope 2 emission of GHG comes from electricity. Analysis data from college showed that, a significant 41.74 % of GHG emission comes from electricity. The electricity purchase from the common grid from power plants is the emission source of scope 2.

Scope 3 emission sources add GHG indirectly to the atmosphere through consumption of resources like Paper, Ink, Toners, Events, chemicals etc. and Degradable and non-degradable waste. Analysis data from college showed that a significant 27.49% of GHG emission comes from scope 3.

4.2 SCOPE WISE DISTRIBUTION OF EMISSION SOURCES:

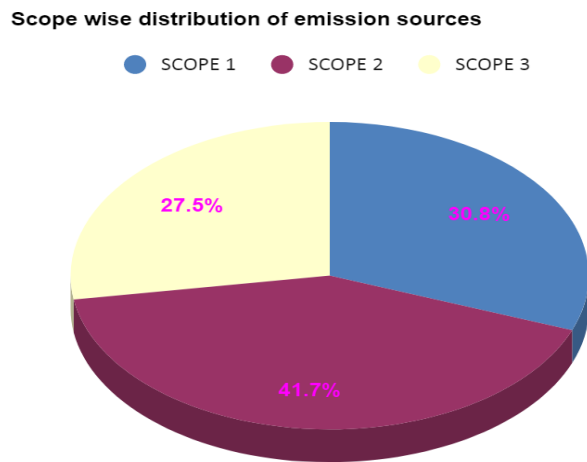


Fig-3: Scope wise distribution of emission sources

| | CO ₂ Kg | Percentage |
|----------------|--------------------|-------------|
| SCOPE 1 | 143630.3766 | 30.76745983 |
| SCOPE 2 | 194888.592 | 41.74762376 |
| SCOPE 3 | 128306.6239 | 27.48491641 |
| Total | 466825.5925 | 100 |

4.3 SOURCE WISE EMISSION ANALYSIS:

| Human Factor | Electronic Applications | Waste Total | Chemicals | Water | Paper | LPG | Transport | Electricity |
|--------------|-------------------------|-------------|-----------|--------|----------|--------|-----------|-------------|
| 115092.3 | 72917.8 | 7243.2955 | 2038.91 | 596.05 | 45510.56 | 4129.3 | 24408.773 | 194888.592 |
| 24.7% | 9.7% | 1.55% | 0.437% | 0.13% | 15.6% | 0.88% | 5.33% | 41.7% |

Emission source wise contribution to GHG emission of PSSMCASC is shown in the figure 4. Electricity emission contributes 41.7% of the total emission. Although human factors contribute 24.7 % of total emission, its effect will not be discussed because of the natural process of breathing and its compensated by green cover in the campus. Other notable GHG emission contributors are use of electronic appliances contribute 9.7%, transport by staff contribute 5.33% and use of paper contribute 15.6 %. This may be reduced by using public transport by the staff and reducing the use of paper. The following suggestion are given for reduction of source wise emission are

For Paper:

- Use of glossy paper should be avoided
- Implementation of e-administration
- Make available online academic content for students
- Implement online admission process
- Online e magazine
- E-prospectus

For Water:

- Proper use of water
- Recycling of sewage water
- Wastewater treatment plant for Laboratory

For Chemicals, biodegradable and non-biodegradable waste:

- Degrading the microbes should be taken care that they do not remain in the environment for a long time.
- Biodegradable waste comes from life sciences departments, canteens use for making fertilizer hence use for maintaining gardens
- Solvents should recycle and reused
- Dry and wet waste should be separate.
- Use solution as dilute as possible
- Applying micro technique for practical's and analysis

- Instrumentation methods of analysis should be preferred instead of conventional methods wherever possible.
- Special training to the students for use of harmful effects of chemicals
- Frequently checked parameters of water such as pH, conductivity, dissolved solids, Chemical Oxygen Demand (COD) and Biological Oxygen Demand (BOD).

For Transport:

- Hiring of CNG/LNG/LPG
- Gaseous fuel run buses instead of liquid fuel run vehicles.
- Choosing a common vehicle for a common location.

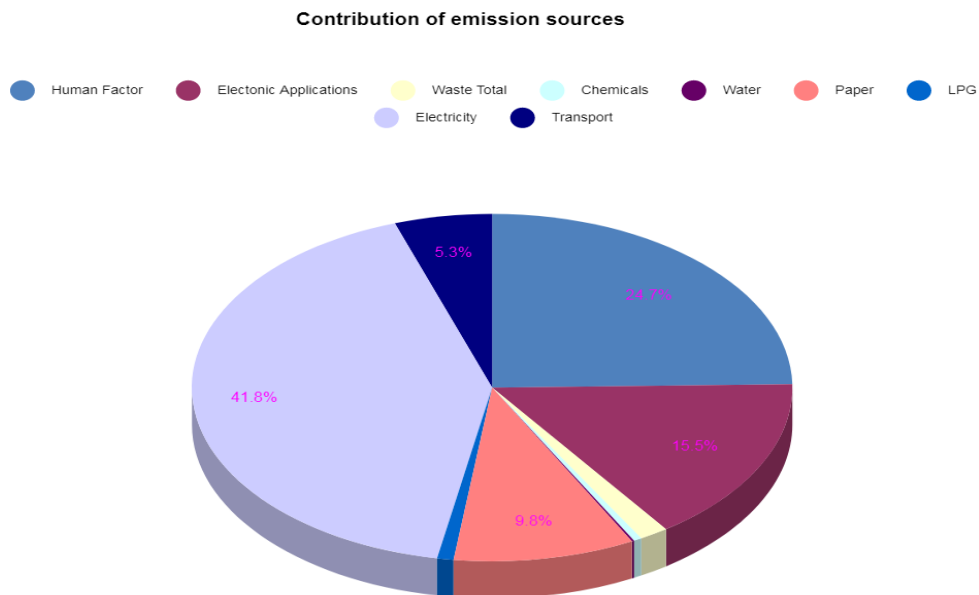


Fig-4: Source wise distribution of emission sources

4.4 FACULTY WISE AND DEPARTMENT WISE LIST OF CARBON EMISSION

| Science | kg CO₂e | Commerce | kg CO₂e | Arts | kg CO₂e | Others | kg CO₂e |
|---------------------------------|---------------------------|-------------------------|---------------------------|-------------------|---------------------------|----------------------|---------------------------|
| BT | 81782.71936 | Commerce | 131692.36 | Geography | 15666.572 | Canteens | 6766.52 |
| CS | 87907.6672 | Business Administration | 52570.63 | Economics | 24298.793 | Administration | 55958.675 |
| Bot | 68814.0819 | | | English | 375273.43 | PE, Sports, NCC, NSS | 1312.556 |
| Zoo | 98781.9705 | | | Sociology | 95683.2 | Library | 6042.37 |
| MB | 44586.5611 | | | Hindi | 5225.73 | | |
| Chem | 114097.8484 | | | History | 18250.73 | | |
| Phys | 38459.6683 | | | Marathi | 287.96 | | |
| Electronic s | 97174.2113 | | | Political Science | 128095.28 | | |
| Maths | 49304.545 | | | Psychology | 31641.99 | | |
| Stat | 11378.9023 | | | | | | |
| BCA science | 51325.2814 | | | | | | 0 |
| B.Voc | 32082.99 | | | | | | |
| Total | 775696.4468 | | 184262.99 | | 694423.685 | | 70080.121 |
| Total of all departments | 1724463.243 | | | | | | |

FACULTY WISE CARBON EMISSION AY 2019-20:

This institute is a multi-faculty co-educational institute. It includes Arts, Science and Commerce faculties. In addition to this the other departments including PE, Sports, NCC, NSS, Canteens, Library and Administration also contribute carbon emission. In the present section we analyzed the faculty wise GHG emission of the institute. It was observed that, GHG emission from science faculty is 775696.447 kg CO₂e per year followed by Arts department which is 694423.685 kg CO₂e per year. The GHG emission of Commerce faculty stands at 184262.99 kg CO₂e per year. The GHG emission of the other departments which includes PE, Sports, NCC, NSS, Canteens, Library and Administration contributes 70080.121 kg CO₂e per year. Total GHG contribution of college is 1724463.243 kg CO₂e per year and the per capita emission of GHG of from the campus is 148.51 kg of CO₂e for this year. In this faculty-wise analysis, electricity analysis is excluded as electricity consumption values does not recorded department wise.

| Faculty | kg CO ₂ e |
|--------------|----------------------|
| Science | 775696.447 |
| Commerce | 184262.99 |
| Arts | 694423.685 |
| Others | 70080.121 |
| Total | 1724463.243 |

Facultywise Contribution

● Science ● Commerce ● Arts ● Others

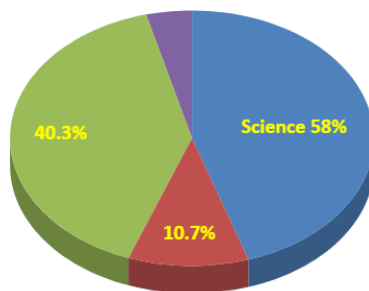


Fig-5: Scope wise distribution of emission sources

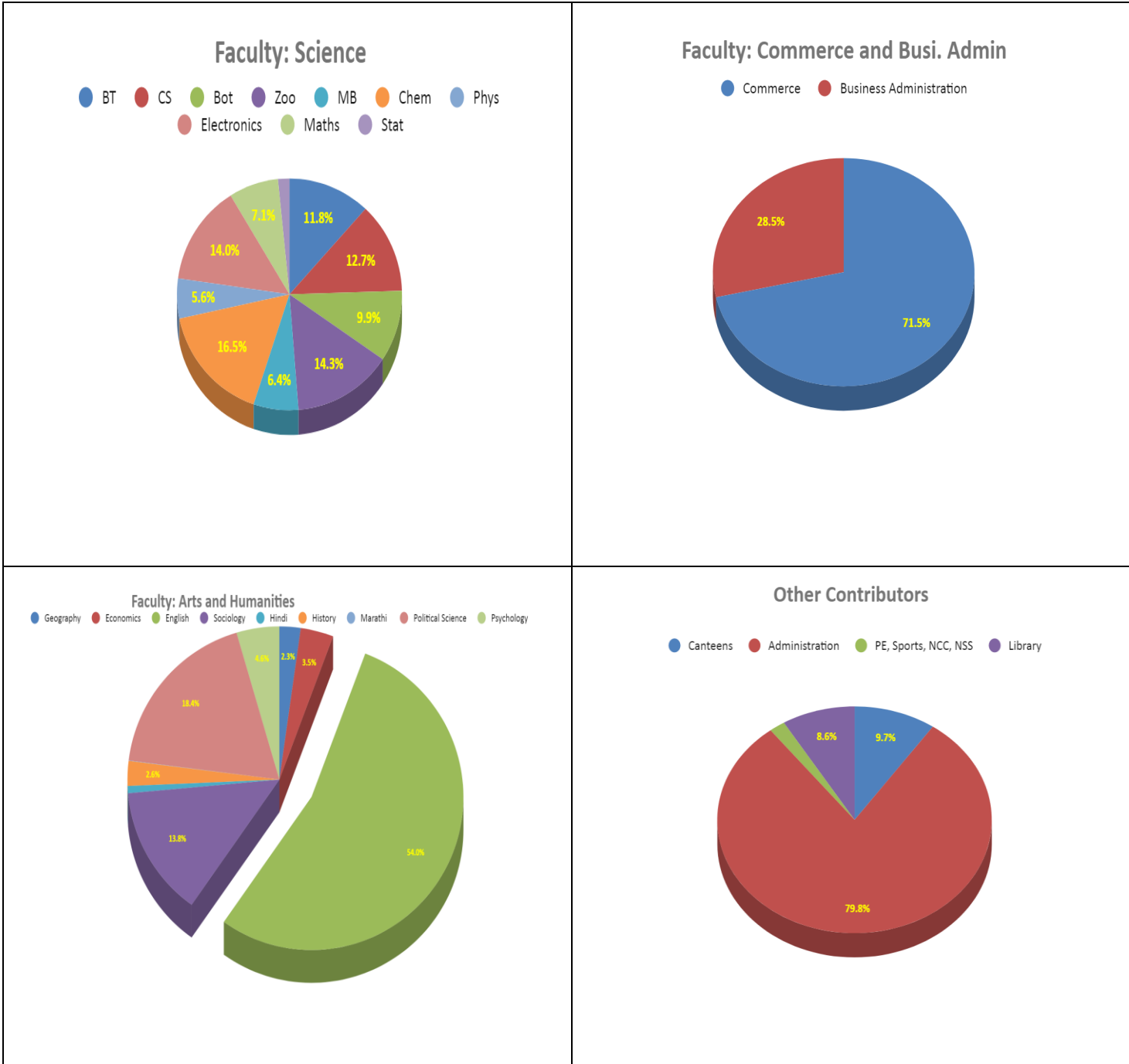


Fig-6: Faculty wise distribution of emission sources

DEPARTMENT-WISE CARBON EMISSION AY 2019-20:

| | Department | kg CO _{2e} |
|----|-------------------------|---------------------|
| 1 | BT | 81782.71936 |
| 2 | CS | 87907.6672 |
| 3 | Bot | 68814.0819 |
| 4 | Zoo | 98781.9705 |
| 5 | MB | 44586.5611 |
| 6 | Chem | 114097.8484 |
| 7 | Phys | 38459.6683 |
| 8 | Electronics | 97174.2113 |
| 9 | Maths | 49304.545 |
| 10 | Stat | 11378.9023 |
| 11 | BCA science | 51325.2814 |
| 12 | B.Voc | 32082.99 |
| 13 | Commerce | 131692.36 |
| 14 | Business Administration | 52570.63 |
| 15 | Geography | 15666.572 |
| 16 | Economics | 24298.793 |
| 17 | English | 375273.43 |
| 18 | Sociology | 95683.2 |
| 19 | Hindi | 5225.73 |
| 20 | History | 18250.73 |
| 21 | Marathi | 287.96 |

| | | |
|----|----------------------|-------------|
| 22 | Political Science | 128095.28 |
| 23 | Psychology | 31641.99 |
| 24 | Canteens | 6766.52 |
| 25 | Administration | 55958.675 |
| 26 | PE, Sports, NCC, NSS | 1312.556 |
| 27 | Library | 6042.37 |
| | Total | 1724463.243 |

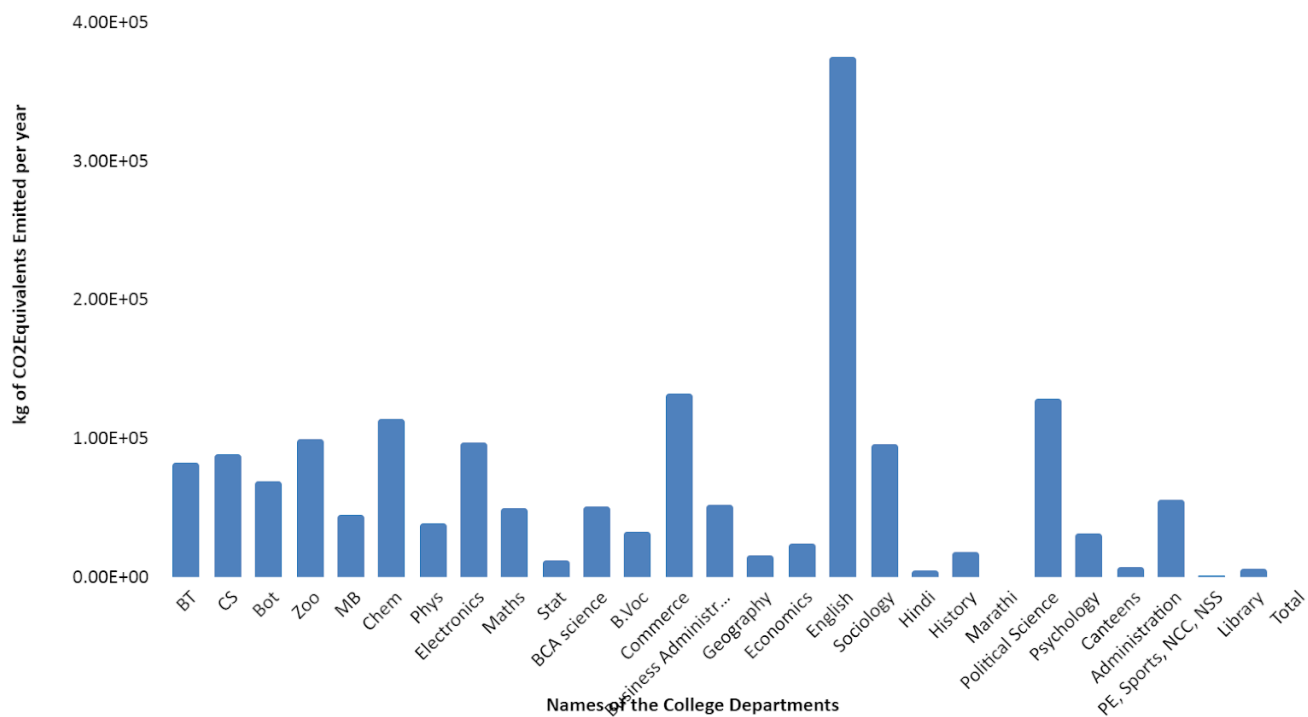


Fig-7: Faculty wise distribution of emission sources

| | Department | Human Factor | Electronic Applications | Waste Total | Chemicals | Water | Paper | LPG | Transport | Electricity | Dept emission |
|----|-------------------------|--------------|-------------------------|-------------|-----------|--------|------------|----------|-----------|-------------|---------------|
| 1 | Biotechnology | 6463.8 | 10482.3 | 63.726 | 772.061 | 47.419 | 433.63 | 165.582 | 1918.95 | | 20017.519 |
| 2 | Computer Science | 7079.4 | 16857.3 | | | 17.261 | 25.92 | | 1604.94 | | 25882.907 |
| 3 | Botany | 2508 | 3311.7 | 109.152 | 191.859 | 9.212 | 2822.853 | 20.698 | 2302.74 | | 8569.281 |
| 4 | Zoology | 6897 | 2916.6 | 198.094 | | 21.238 | 3499.2 | 82.793 | 1279.3 | | 11906.23 |
| 5 | Microbiology | 5016 | 4864.6 | 28.086 | 481.782 | 23.022 | 36.288 | 206.982 | 4093.76 | | 14806.461 |
| 6 | Chemistry | 4950 | 3750.9 | 0.37505 | 593.216 | 25.325 | 4080.996 | 1490.277 | 4029.795 | | 15104.688 |
| 7 | Physics | 2200 | 1773.2 | | | 9.209 | 10.368 | 10.349 | 1407.23 | | 5598.868 |
| 8 | Electronic Science | 1650 | 1468.9 | | | 6.331 | 5.184 | | 767.58 | | 3931.691 |
| 9 | Mathematics | 3025 | 2638.9 | | | | 1312.4205 | | | | 49304.545 |
| 10 | Statistics | 1650 | 2544.6 | | | 2.302 | 3451.815 | | | | 4194.6 |
| 11 | Commerce | 4950 | 688.9 | | | | 20.736 | | | | 5794.42 |
| 12 | Business Administration | 1650 | 6640.8 | 0.1255 | | 8.633 | 7317.7344 | | 780.373 | | 9325.452 |
| 13 | Geography | 1100 | 100.7 | | | 11.511 | 6275.10276 | | | | 1289.971 |
| 14 | Economics | 1375 | 100.7 | | | 3.453 | 6275.10276 | | 1023.44 | | 2528.513 |
| 15 | English | 1650 | 2148.2 | | | 5.755 | 578.0871 | | 191.895 | | 4151.77 |
| 16 | BCA science | 3025 | 2617.7 | | | 11.511 | 5.184 | | 383.79 | | 6141.681 |
| 17 | Hindi | 275 | 198.2 | | | 2.877 | | | | | 501.997 |
| 18 | History | 1375 | 198.2 | | | 2.877 | | | | | 1614.957 |
| 19 | Marathi | 275 | 0 | | | | 124.2288 | | | | 287.96 |
| 20 | Political Science | 550 | 195 | | | 1.726 | | | | | 128093.56 |

| | | | | | | | | | | | |
|----|---|-----------------|----------------|------------------|-----------------|---------------|--------------------|--------------------|------------------|-------------------|----------------------------|
| 21 | Psychology | 1375 | 100.7 | | | 3.453 | 1052.01 | | 1055.463 | | 2269.2 |
| | | 0 | | | | | | | | | |
| 22 | Sociology | 1375 | 198.2 | | | 2.877 | 10.368 | | 1304.886 | | 2929.926 |
| 23 | Canteens | 1231.1 | 410 | 2965.612 | | 172.671 | | 1987.036 | | | 3375.692 |
| 24 | Administrative office | 48222 | 4622 | | | 143.859 | 8105.94 | | 767.85 | | 7736.675 |
| 25 | B.Voc | 2200 | 1525.7 | 3878.125 | | 1.544 | | 165.586 | | | 3970.59 |
| 26 | Physical Education, Sports, NCC and NSS | 550 | 298.9 | | | 28.026 | 41.472 | | 383.79 | | 1312.556 |
| 27 | Library | 2475 | 2264.9 | | | 33.958 | 25.92 | | 1112.991 | | 6042.369 |
| | | | | | | | | | | | 346684.079 |
| | | | | | | | | | | | Without electricity |
| | | | | | | | | | | | 541572.671 |
| | | | | | | | | | | | With electricity |
| | Total | 115092.3 | 72917.8 | 7243.2955 | 2038.918 | 596.05 | 45510.56032 | 4129.303648 | 24408.773 | 194888.592 | |

5. DEPARTMENT-WISE CARBON EMISSION AY 2019-20:

Carbon emission by individual Department

1. Department of Biotechnology:

Biotechnology departments runs undergraduate, post-graduate as well as research centre. Data analysis showed that, the total GHG emission from this department is 20017.519 kg CO₂e per year. Data analysis of this department showed that, the maximum emission source is due to electronic appliances which contributes 10482.3 kg CO₂e per year ie 51.5% of total emission. The human factor also contributes the major GHG emission stands at 6463.8 kg CO₂e per year ie 31.8 % of total emission. The emission profile of biotechnology department is shown in fig.8.

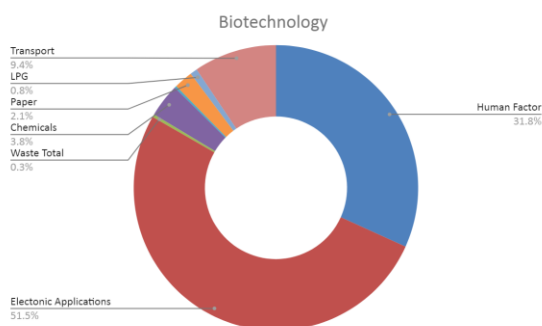


Fig-8: GHG emission profile of Biotechnology department.

2. Department of Computer Science:

The Computer Science department runs undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 25882.907kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances which contribute 16857.3 kg CO₂e per year i.e. 65.9 % of total emission. The human factor also contributes to the major GHG emission which stands at 7079.4kg CO₂e per year i.e. 27.7 % of total emission. The emission profile of the computer science department is shown in fig.8.

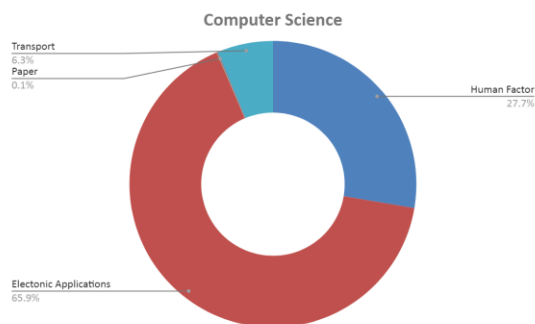


Fig-9: GHG emission profile of Computer science department.

3. Botany Department:

The total emission from Botany departments is 8569.281 kg CO₂e per year. runs undergraduate as well as post-graduate courses. Data analysis of this department showed that the maximum emission source is due to paper, transport, and electronic appliances. which contributes 2822.853, 2302.74 and 3311.7 kg CO₂e per year respectively. The human factor also contributes to the major GHG emission which stands at 2508 kg CO₂e per year i.e. 22.2 % of total emission. The emission profile of the botany department is shown in fig10.

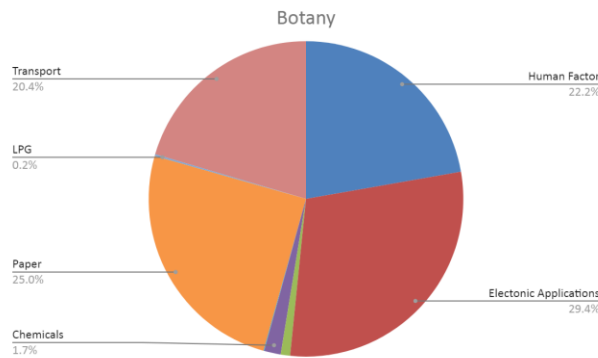


Fig-10: GHG emission profile of Botany department.

4. Zoology Department:

The Zoology department runs undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 11906.23 kg CO₂e per year. The maximum emission source from this department is due to human factors, paper and electronic appliances. A very small quantity of waste contributing just 1.3 % of total emission is generated in this department. The emission profile of the zoology department is shown in fig.11.

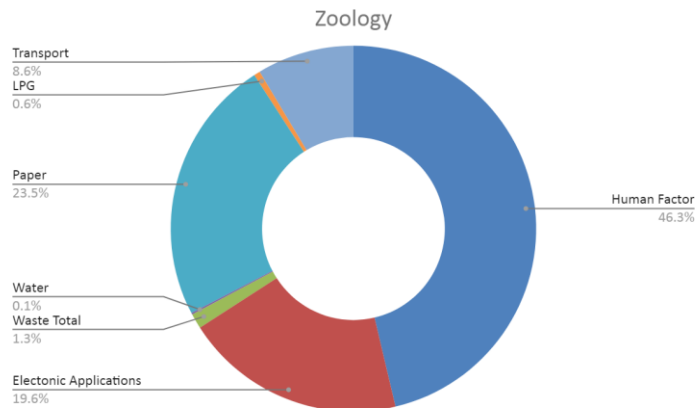


Fig-11: GHG emission profile of Zoology department.

5. Microbiology Department:

Microbiology departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 14806.461 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances i.e. 33.0%, and Transport is 27.8%. The human factor also contributes to the major GHG emission which stands at 5016 kg CO₂e per year i.e. 34.0 % of total emission. The emission profile of the microbiology department is shown in fig.12.

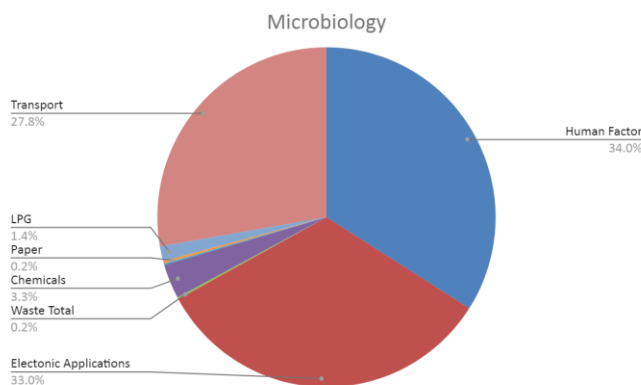


Fig-12: GHG emission profile of Microbiology department

6. Chemistry Department:

The Chemistry department runs undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 15104.688 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to transport, paper and electronic appliances which contribute 4029.795 i.e. 21.3%, 4080.996 i.e. 21.6 % and 3750.9 i.e. 19.8 % kg CO₂e respectively. The human factor also contributes to the major GHG emission standing at i.e. 26.2 % of total emission. The emission profile of the Chemistry department is shown in fig.13.

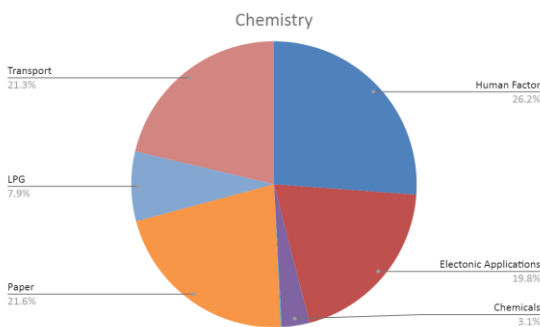


Fig-13: GHG emission profile of Chemistry department.

7. Physics Department:

Physics departments run undergraduate courses. Data analysis showed that, the total GHG emission from this department is 5598.868 kg CO₂e per year. The maximum emission source is due to electronic appliances, Transport and Human factors. The emission profile of the physics department is shown in fig.14.

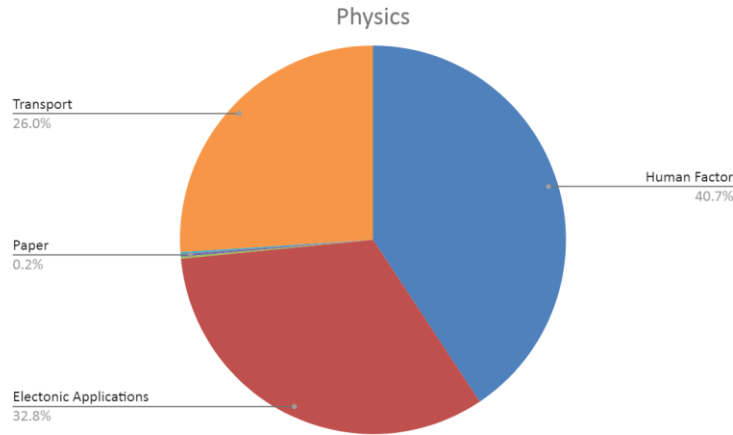


Fig-14: GHG emission profile of Physics department.

8. Electronics Department:

Electronics department runs undergraduate courses. Data analysis showed that the total GHG emission from this department is 3931.691 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances which contribute 1468.9kg CO₂e per year which is 37.6 % of total emission. The human factor also contributes to the major GHG emission which stands at 1650 kg CO₂e per year i.e. 42.3 % of total emission. The emission profile of the electronic department is shown in fig.15.

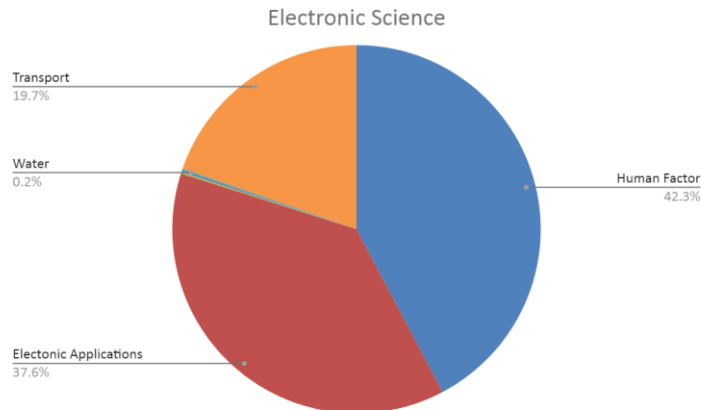


Fig-15: GHG emission profile of Electronics department.

9. Mathematics Department:

Mathematics departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 49304.545 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances (37.8%), and paper (18.8%) of total emission. The human factor also contributes to the major GHG emission which stands at 3025 kg CO₂e per year i.e. 43.4 % of total emission. The emission profile of the mathematics department is shown in fig.16.

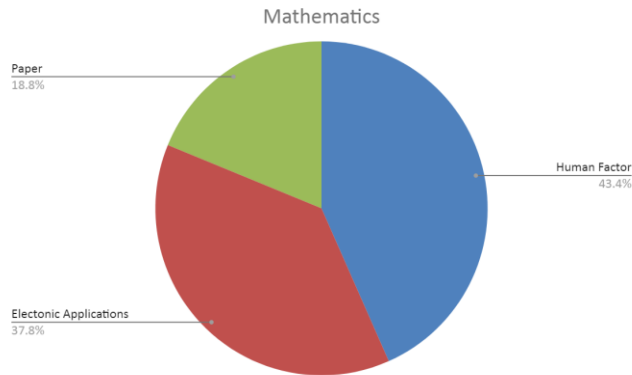


Fig-16: GHG emission profile of Mathematics department.

10. Statistic Department:

Statistics departments run undergraduate courses. Data analysis showed that the total GHG emission from this department is 4194.6 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to paper and electronic appliances which contribute 3451.815 i.e. 45.1% and 2544.6 kg i.e. 21.6 % of CO₂e per year respectively. The human factor also contributes to the major GHG emission which stands at 1650 kg CO₂e per year ie 21.6 % of total emission. The emission profile of the statistics department is shown in fig.17.

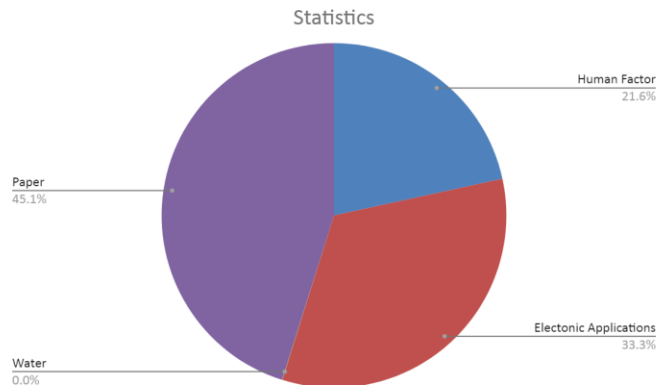


Fig-17: GHG emission profile of Statistic department.

11. Commerce Department:

Computer Science departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 25882.907kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances which contribute 688.9 kg CO₂e per year i.e. 12.2 % of total emission. The human factor also contributes to the major GHG emission which stands at 4950 kg CO₂e per year i.e. 87.5 % of total emission. The emission profile of the commerce department is shown in fig.18.

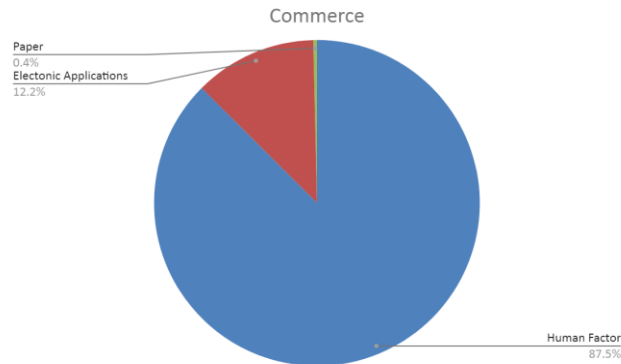


Fig-18: GHG emission profile of Commerce department.

12. Business Administration Department:

Business Administration departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 9325.452 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to paper which contributes almost 44.6 % of total emission followed by electronic appliances 40.5%. The human factor also contributes only 10.1 % of total emission. The emission profile of the Business Administration department is shown in fig.19.

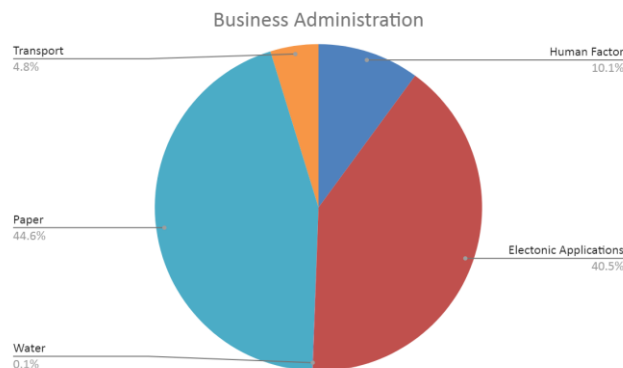


Fig-19: GHG emission profile of Business Administration department.

13. Geography Department:

Geography departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 1289.971 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to paper which contributes 6275.10 kg CO₂e per year i.e. 83.8 % of total emission. Another major GHG emission contributor is human factor which stands at 1100 kg CO₂e per year i.e. 14.7 % of total emission. The emission profile of the Geography department is shown in fig.20.

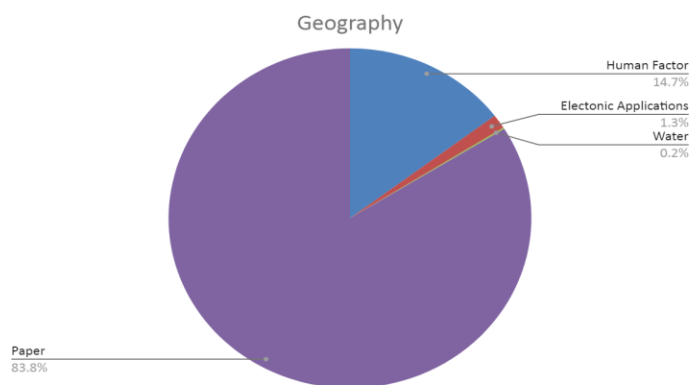


Fig-20: GHG emission profile of Geography department.

14. Economics Department:

Economics departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 2528.513 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to paper and transport which contributes 6275.10276 and 1023.44 kg CO₂e per year respectively. The human factor also contributes to the major GHG emission which stands at 1375 kg CO₂e per year i.e. 15.7 % of total emission. The emission profile of the economics department is shown in fig. 21.

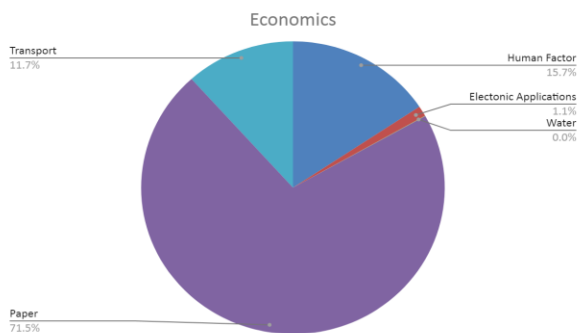


Fig-21: GHG emission profile of Economics department.

15. Geography Department:

Computer Science departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 25882.907kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances which contribute 16857.3 kg CO₂e per year i.e. 65.9 % of total emission. The human factor also contributes to the major GHG emission which stands at 7079.4kg CO₂e per year i.e. 27.7 % of total emission. The emission profile of the computer science department is shown in fig.22.

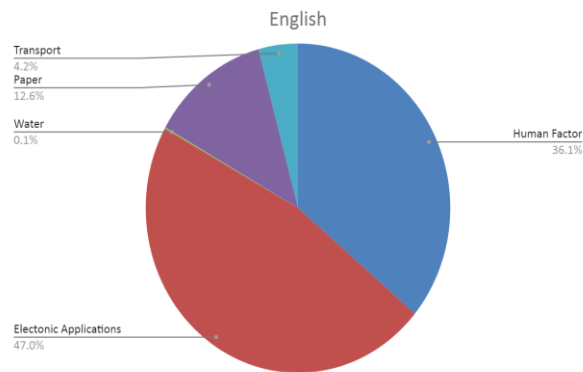


Fig-22: GHG emission profile of Economics department.

16. BCA Department:

BCA departments run undergraduate courses. Data analysis showed that the total GHG emission from this department is 6141.681 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances which contribute 2617.7 kg CO₂e per year i.e. 43.3 % of total emission. The human factor also contributes to the major GHG emission which stands at 3025 kg CO₂e per year i.e. 50.1 % of total emission. The emission profile of the BCA department is shown in fig.23.

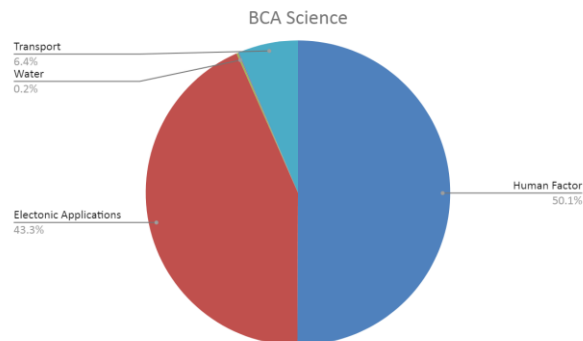


Fig-23: GHG emission profile of BCA department.

17. Hindi Department:

Hindi departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 501.997 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances which contribute 198.2 kg CO₂e per year i.e. 41.6 % of total emission. The human factor also contributes to the major GHG emission which stands at 275 kg CO₂e per year i.e 57.8 % of total emission. The emission profile of the Hindi department is shown in fig.24.

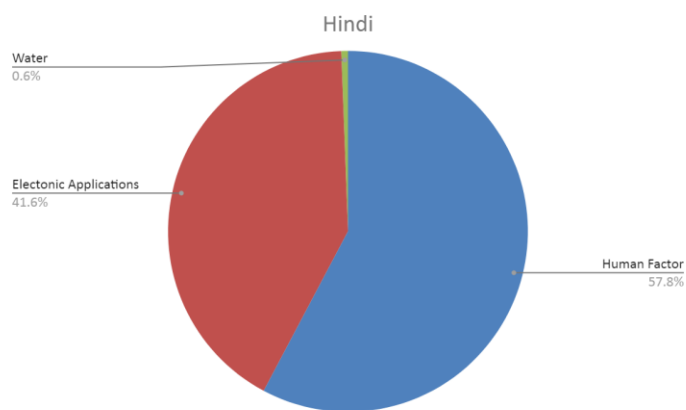


Fig-24: GHG emission profile of Economics department.

18. History Department:

History departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 1614.957 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances which contribute 198.2 kg CO₂e per year i.e. 12.6 % of total emission. The human factor also contributes to the major GHG emission which stands at 1375 kg CO₂e per year i.e. 87.2 % of total emission. The emission profile of History is shown in fig.25.

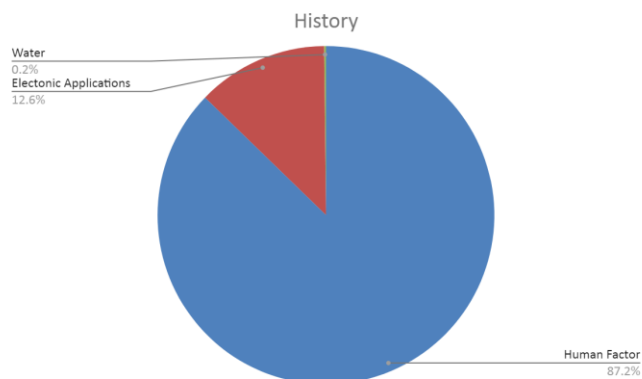


Fig-25: GHG emission profile of History department.

19. Marathi Department:

Marathi departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 287.96 kg CO₂e per year. The Major emission source is due to paper which contributes 124.2288 kg CO₂e per year i.e. 31.1 % of total emission. The human factor also contributes to the major GHG emission which stands at 275 kg CO₂e per year i.e. 68.9 % of total emission. The emission profile of Marathi is shown in fig.26.

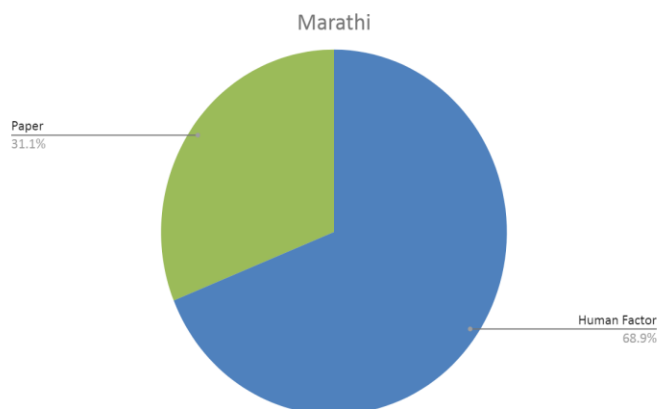


Fig-26: GHG emission profile of Marathi department.

20. Political Science Department:

Political Science departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 128093.56 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances which contribute 195 kg CO₂e per year i.e. 26.1 % of total emission. The human factor also contributes to the major GHG emission which stands at 550.0 kg CO₂e per year i.e. 73.7 % of total emission. The emission profile of the Political Science department is shown in fig.27.

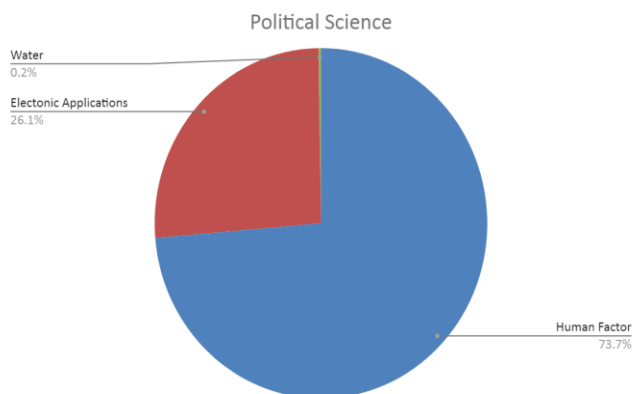


Fig-27: GHG emission profile of Political Science department.

21. Psychology Department:

Computer Science departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 2269.2 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to transport and paper which contributes 1055.463 and 1052.01 kg CO₂e per year i.e. 50.0 % and 20.8 % respectively of total emission. The human factor also contributes to the major GHG emission which stands at 1375 kg CO₂e per year i.e. 27.2 % of total emission. The emission profile of the computer science department is shown in fig.28.

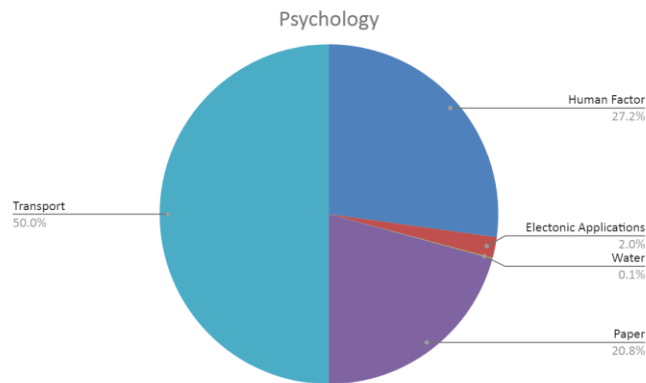


Fig-28: GHG emission profile of Psychology department.

22. Sociology Department:

Sociology departments run undergraduate as well as post-graduate courses. Data analysis showed that the total GHG emission from this department is 2929.926 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to transport which contributes 1304.886 kg CO₂e per year i.e. 45.1 % of total emission. Only 6.9% of total emission is due to paper. The human factor also contributes to the major GHG emission which stands at 1375 kg CO₂e per year i.e. 47.6 % of total emission. The emission profile of the Sociology department is shown in fig.29.

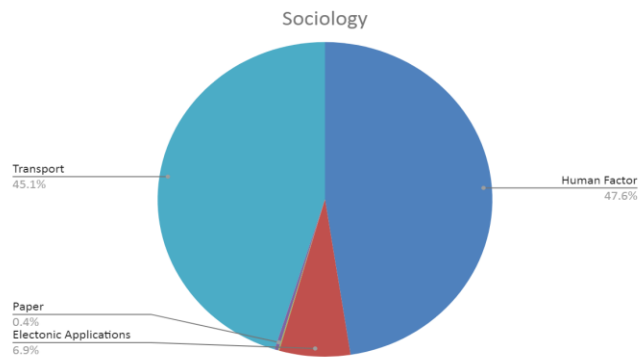


Fig-29: GHG emission profile of Sociology department.

23. Canteen:

Canteen of the college is located on the college campus. Data analysis showed that the total GHG emission from this department is 3375.692 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to waste which contributes 2965.612 kg CO₂e per year i.e. 43.8 % of total emission. Another major GHG emission in canteen is due to LPG which contributes 29.4% kg CO₂e per year. Electronic appliances also contribute upto 6.1% emission. The human factor also contributes to the major GHG emission which stands at 1231.1 kg CO₂e per year i.e. 18.2 % of total emission. The emission profile of the canteen is shown in fig.30.

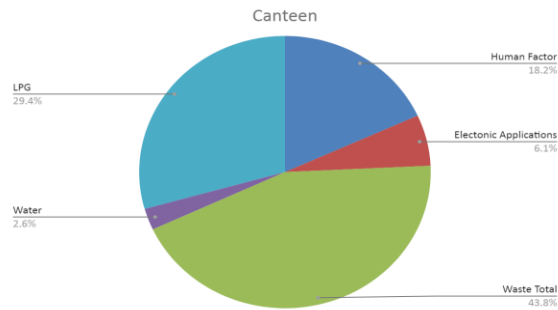


Fig-30: GHG emission profile of Canteen.

24. Administrative Office:

Administrative office departments are open throughout the year except Sunday and government holidays. Data analysis showed that the total GHG emission from this department is 7736.675 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to paper which contributes 8105.94 kg CO₂e per year i.e., 13.1 % of total emission. Another major contribution of GHG from the office is from electronic appliances which is 7.5%. The human factor also contributes to the major GHG emission which stands at 48222 kg CO₂e per year i.e. 78.0 % of total emission. The emission profile of the administrative office department is shown in fig.31.

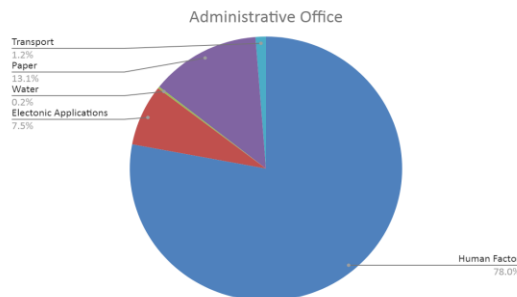


Fig-31: GHG emission profile of Administrative Office.

25. B.Voc:

Recently college started a Batch of vocational course. Data analysis showed that the total GHG emission from this department is 3970.59 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to waste which contributes 3878.125 kg CO₂e per year i.e 49.9 % of total emission as this vocational course is a skill base course of food technology. Another major contribution is from electronic appliances which contributes upto 1525.7 kg CO₂e per year i.e. 19.6 % of total emission. LPG emissions contribute 2.1% kg CO₂e per year. The human factor also contributes to the major GHG emission which stands at 2200 kg CO₂e per year i.e. 28.3 % of total emission. The emission profile of B.Voc. department is shown in fig.32.

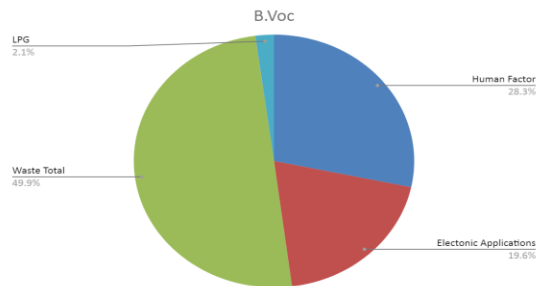


Fig-32: GHG emission profile of B.Voc.

26. Physical Education:

Physical education department is a very big department where all first year students have a compulsory subject in their curriculum. Data analysis showed that the total GHG emission from this department is 1312.556 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to transport and electronic appliances which contribute 383.79 and 298.9 kg CO₂e per year respectively. The human factor also contributes to the major GHG emission which stands at 550 kg CO₂e per year i.e. 42.2 % of total emission. The emission profile of the physical education department is shown in fig.33.

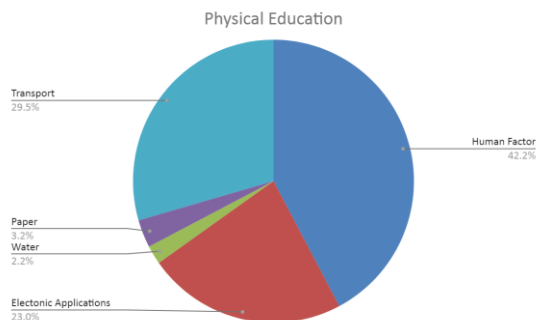


Fig-33: GHG emission profile of Physical Education.

27. Library:

Library of the college is open throughout the year except Sunday and government holidays and has utilised by the students as reading purposes in vacations. Data analysis showed that the total GHG emission from this department is 6042.369 kg CO₂e per year. Data analysis of this department showed that the maximum emission source is due to electronic appliances which contribute 2264.9 kg CO₂e per year i.e. 38.3 % of total emission. Another major contribution of GHG emission is due to transport which contributes 1112.991 i.e. 18.8%. The human factor also contributes to the major GHG emission which stands at 2475 kg CO₂e per year i.e. 41.9 % of total emission. The emission profile of the computer science department is shown in fig.34.

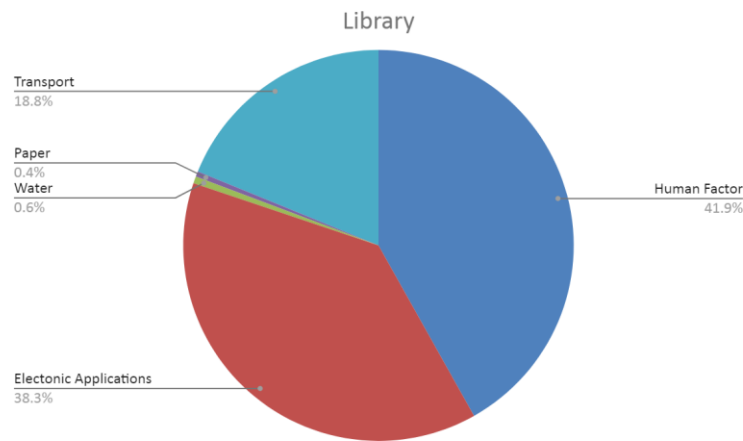


Fig-34: GHG emission profile of Library department.

6. General Information

Carbon Foot printing questionnaire

Carbon offsetting: General

1. Does the campus utilize solar energy harvesting system? If yes, provide capacity in terms of number of electricity units (kwh) generated per month.

Yes, the college campus utilize solar and wind energy system. College Installation of 21 kWp Solar & Wind Hybrid roof top plant.

Present Energy Consumption:

| No | Parameter/ Value | Energy Consumed, kWh | CO ₂ Emissions, MT |
|----|---------------------|-------------------------|----------------------------------|
| 1 | Total | 150377 | 120.30 |
| 2 | Maximum | 19006 | 15.20 |
| 3 | Minimum | 6711 | 5.37 |
| 4 | Average | 12531.41667 | 10.03 |

2. Does the campus have sewage water/waste water treatment facility? If yes, provide the details in terms of number of liters of water treated per day.

Effluent water treatment plant of 2000 liter per day is there on campus. The Installation of rain water harvesting plant is under process.

3. Provide the area of green cover on the campus. (Including lawns, herbs, shrubs, small plants (etc.)

The total green cover on the campus is 304.5 meter.

4. Give the total number of big trees in the campus in the following table

| Sr. No. | Tree height (ft) | Number of trees |
|---------|-------------------------|-----------------|
| 1 | Height less than 10 fts | 50 |
| 2 | Height more than 10 fts | 130 |

5. Details of any other on campus facility that helps reducing pollution

Principal

Modern College, Ganeshkhind, Pune

Date:

7. REFERENCES

1. Robinson, O.J., Tewkesbury, A., Kemp, S., Williams, I.D., 2018. Towards a universal carbon footprint standard: a case study of carbon management at universities. *J. Clean. Prod.* 172, 4435e4455. <https://doi.org/10.1016/j.jclepro.2017.02.147>.
2. Kulkarni, S.D., 2019. A bottom up approach to evaluate the carbon footprints of a higher educational institute in India for sustainable existence. *Journal of cleaner production*, 231, pp.633-641. <https://doi.org/10.1016/j.jclepro.2019.05.194>

8. GREEN AUDIT QUESTIONNAIRE

Department: **Biotechnology**

Year of Establishment: 2002

Assessment Year:2019-20

Head of the Department: Dr. Rekha Gupta

Number of working days: Semester I.....12 weeks.....

Semester II.....12 week..

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 13 |
| 2 | Non-teaching | 04 |
| 3 | Research Students (including project assistants) | 04 |
| 4 | PG Students | 92 |
| 5 | UG Students | 210 |
| 6 | Junior College Students | - |
| 7 | Any other (such as other courses run by dept) | |
| Total | | 323 |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|----------------------|---------------------|----------------------|
| 1 | Seating/office space | 200 | 200 |
| 2 | Research | 180 | 175 |
| 3 | Post graduate | 1000 | 800 |
| 4 | Graduate | 1500 | 1400 |

| | | | |
|--------------|--------------------------------------|-----|-----|
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | 300 | 300 |
| 7 | Any other | | |
| Total | | | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 22 | No | |
| 2 | Printers, scanners, photocopy machines | 4 | No | |
| 3 | Computers attached to equipment | 3 | No | |
| 4 | Refrigerators/Deep freezers etc | 6 | No | |
| 5 | Air Conditioners (ACs) | 6 | No | |
| 6 | Small lab equipment | 150 | No | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

4. How frequently is the maintenance of equipments done? As and when required
5. Do you maintain a dead stock register? Yes
6. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc

| Furniture | Quantity | description |
|----------------|----------|---------------|
| Table | 6 | wooden + iron |
| Chairs | 40 | Plastic |
| Cupboard | 9 | Steel |
| Locker cabinet | 2 | steel |

| | | |
|--------------|---|--------|
| Notice board | 9 | wooden |
| Rack | 1 | wooden |

7. Are there unusable equipments in the department? How do you dispose them off?
Yes.
8. Do you maintain a log book for use of consumables?
Yes
9. Do you maintain record of electricity consumption by the department? If yes, provide details.
No
10. How much of bio-degradable solid waste is generated by the department per week? (kg)
3 kg
11. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) 2 kg
12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | 1kg | 2lt |
| 2 | Specialty Chemicals | 50gm | 25ml |
| 3 | Solvents | | 5lt |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | 50gm | 25ml |
| 3 | Solvents | | 5lt |
| 4 | Drinking | | 22 lt |
| 5 | Any other | | |
| Total | | | |

14. Is water used for distillation recycled? No
15. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 5 rim
16. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.) 840/student
17. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year? 4 no.
18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | 250km /year |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | Bus . 3no. | Diesel | 400km/year |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|--|-----------------|---------------------------------|
| 1 | Public Transport | Diesel | 2 + 1 | 22 |
| 2 | Bikes and scooters | 6 bike | 6 | 30 |
| 3 | Cars (i) Petrol | 8 cars | 8 | 60km |
| | (ii) Diesel | | | |

| | | | | |
|---|-----------|--|--|--|
| 4 | SUVs/MUVs | | | |
|---|-----------|--|--|--|

21. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

No.

22. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

International Conference - 2 days

Participants - 250

23. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of –BIOTECHNOLOGY

Date

Principal

Modern College, Ganeshkhind, Pune

Green Audit Questionnaire

Department: **Computer Science**

Year of Establishment:

Assessment Year:2019-20

Head of the Department:

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | |
| 2 | Non-teaching | |
| 3 | Research Students (including project assistants) | |
| 4 | PG Students | |
| 5 | UG Students | |
| 6 | Junior College Students | |
| 7 | Any other (such as other courses run by dept) | |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | | | |
| 2 | Printers, scanners, photocopy machines | | | |
| 3 | Computers attached to equipment | | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | | | |
| 6 | Small lab equipment | | | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

12. How frequently is the maintenance of equipments done?
13. Do you maintain a dead stock register?
14. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)
15. Are there unusable equipments in the department? How do you dispose them off?
16. Do you maintain a log book for use of consumables?
17. Do you maintain record of electricity consumption by the department? If yes, provide details.
18. How much of bio-degradable solid waste is generated by the department per week? (kg)
19. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)
12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |

| | | | |
|--------------|-----------|--|--|
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | | |
| 5 | Any other | | |
| Total | | | |

18. Is water used for distillation recycled?

19. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose)

20. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

21. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|--|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | | | |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

24. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

25. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

26. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Principal

Department of -----

Date:

Modern College, Ganeshkhind, Pune

Audit Questionnaire

Department: Botany

Year of Establishment: 1993

Assessment Year: 2019-20

Head of the Department: Dr. Prachi Raval

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 06 |
| 2 | Non-teaching | 02 |
| 3 | Research Students (including project assistants) | Nil |
| 4 | PG Students | Nil |
| 5 | UG Students | 253 |
| 6 | Junior College Students | Nil |
| 7 | Any other (such as other courses run by dept) | Nil |
| Total | | 261 |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | 450 | 450 |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | 625 | 625 |
| 7 | Any other | | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|------------------|
| 1 | Computers | 02 | Nil | 1 PC not working |
| 2 | Printers, scanners, photocopy machines | 01 | | |
| 3 | Computers attached to equipment | Nil | | |
| 4 | Refrigerators/Deep freezers etc | 01 | | |
| 5 | Air Conditioners (ACs) | 0 | | |
| 6 | Small lab equipment | 0 | | |
| 7 | Any other | 0 | | |
| Total | | 04 | | |

AMC: Annual Maintenance Contract

20. How frequently is the maintenance of equipments done? **once in a year**

21. Do you maintain a dead stock register? **yes**

22. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

1. Plastic chair - 8
2. Steel cupboard - 6
3. Wooden cupboard small - 1
4. wooden top with metal frame table - 17
5. metal stool - 38

23. Are unusable equipments in the department? How do you dispose them of **yes. yet not dispose**

24. Do you maintain a log book for use of consumables? **No**

25. Do you maintain record of electricity consumption by the department? If yes, provide details.

No

26. How much of bio-degradable solid waste is generated by the department per week? (kg)
1.5 Kg/week

27. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) **200 gm/week**

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | 100 ml | 100 ml |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 1.5 L | 1.5 L |
| 5 | Any other | | |
| Total | | | |

22. Is water used for distillation recycled? NA

23. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 1 per semester

24. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.) 1730 pages

25. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year? 1 per year

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | 3060 km |
| 3 | Road (Public Transport) | 20 km |
| 4 | Road (Personal Vehicle) | 50 km |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any- Nil

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | disel | 1 | 20 |
| 2 | Bikes and scooters | petrol | 3 | 130 |
| 3 | Cars (i) Petrol | | 1 | 30 |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

27. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc). Nil

28. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

1 day with 70 participants

29. Provide the details of waste water generated (Only for Chemistry Department)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of Botany

Principal

Modern College, Ganeshkhind, Pune

Date:

[Redacted area]

Green Audit Questionnaire

Department: **Zoology**

Year of Establishment: 1993

Assessment Year: 2019-20

Head of the Department: Dr. Shakera Inamdar

Number of working days: Semester I- 90 days.....

Semester II-90 days

1. Staff and Students

| Sr. No. | Specification | Number |
|---------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 10 |
| 2 | Non-teaching | 03 |
| 3 | Research Students (including project assistants) | 08 |
| 4 | PG Students | 46 |
| 5 | UG Students | 377 |

| | | |
|--------------|---|-----|
| 6 | Junior College Students | - |
| 7 | Any other (such as other courses run by dept) | - |
| Total | | 438 |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total (Sq.Ft.) | Area Usable (Sq.Ft.) |
|--------------|--------------------------------------|----------------|----------------------|
| 1 | Seating/office space | | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | 1975 | 1900 |
| 5 | Junior College Students | - | - |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | - | - |
| Total | | | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 8 | yes | |
| 2 | Printers, scanners, photocopy machines | 3 | no | |
| 3 | Computers attached to equipment | 2 | no. | |
| 4 | Refrigerators/Deep freezers etc | 3 | | |
| 5 | Air Conditioners (ACs) | 1 | | |
| 6 | Small lab equipment | 15 | | |
| 7 | Any other | nil | | |
| Total | | | | |

AMC: Annual Maintenance Contract

4. How frequently is the maintenance of equipment done?**As per requirement**
5. Do you maintain a dead stock register? yes

6. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

Office Tables -3(wooden, metal)

Computer table- 2 (wooden, metal)

Table- 1 (wooden, metal)

Stools- 75 (metal)

Chairs – 17 (plastic)

Office chairs- 3 (metal), 1 (wooden)

Working cabinet -4 (wooden)

Working tables- 12 (wood and cement)

Notice Board- 10 (wooden)

7. Are there unusable equipments in the department? -Yes

How do you dispose them off?- As per writtup proceser

8. Do you maintain a log book for use of consumables? yes

9. Do you maintain a record of electricity consumption by the department? If yes, provide details.- NO

10. How much of biodegradable solid waste is generated by the department per week? (kg)
2-3 kg

11. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) 1kg

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|----------------|---------------------------------------|----------------------|-------------------------|
| 1 | Common chemicals (Acids, salts, etc.) | 0.020kg | 0.20L |

| | | | |
|--------------|---------------------|---------|-------|
| 2 | Specialty Chemicals | 0.005kg | 0.05L |
| 3 | Solvents | | 0.01L |
| 4 | Any other | | |
| Total | | 0.025kg | 0.26L |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 10L/day | |
| 5 | Any other- washing glassware | 15L/day | |
| Total | | 25L/day | |

14. Is water used for distillation recycled?- NO

15. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) - 2
16. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)
17. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?- 2
18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|----------------|-------------------------|---|
| 1 | Air | 1 (2049 km) |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|----------------|------------------|-----------------------------------|---|---------------------------|
| 1 | Graduate | 4 | Diesel | 211km |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|----------------|------------------------|---|------------------------|--|
| 1 | Public Transport | Petrol | 2 | 140km |
| 2 | Bikes and scooters | Petrol/diesel | 1 | 60km |
| 3 | Cars (i) Petrol | (CNG) | 1 | 50km |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

21. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).
22. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.
23. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Principal

Department of **Zoology**

Date:

Modern College, Ganeshkhind, Pune

Green Audit Questionnaire

Department: **Microbiology**

Year of Establishment: 1996

Assessment Year:2019-20

Head of the Department: Mrs. Sneha Ogale

Number of working days: Semester I.....120 days.....

Semester

II.....120...days.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|---------|
| 1 | Teaching (including CHB, ADHOC) | 12 |
| 2 | Non-teaching | 4 |
| 3 | Research Students (including project assistants) | nil |
| 4 | PG Students | 88 |
| 5 | UG Students | 57 (TY) |
| 6 | Junior College Students | NA |
| 7 | Any other (such as other courses run by dept) | NA |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|-------------------------|---------------------|----------------------|
| 1 | Seating/office space | | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |

| | | | |
|--------------|--------------------------------------|--|--|
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |
| Total | | | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|-------------------------------|
| 1 | Computers | 6 | Yes | with Computer dept of college |
| 2 | Printers, scanners, photocopy machines | 2+1 | Yes | with Computer dept of college |
| 3 | Computers attached to equipment | 1 | Yes | with Computer dept of college |
| 4 | Refrigerators/Deep freezers etc | 5 | No | |
| 5 | Air Conditioners (ACs) | 1 | No | |
| 6 | Small lab equipment | 162 | No | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

28. How frequently is the maintenance of equipments done? Repairs done upon breakdown.

29. Do you maintain a dead stock register? Yes

30. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

31. Are there unusable equipments in the department? How do you dispose them off?

32. Do you maintain a log book for use of consumables?

There is a register for issuing materials from the available stock.

33. Do you maintain record of electricity consumption by the department? If yes, provide details. No

34. How much of bio-degradable solid waste is generated by the department per week? (kg)
0.5 kg/ week

35. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) 2 kg/ week

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | 0.005 kg | 0.5 L |
| 2 | Specialty Chemicals | 0.025 kg | 0.025 L |
| 3 | Solvents | --- | 0.1 L |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 10 L/ day | |
| 5 | Any other: washing glassware | 30 L/ day | |
| Total | | | |

26. Is water used for distillation recycled? Some of it is used for washing.

27. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose): 7 reams

28. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.): 350 journals x 50 pg/ journal

29. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?
5

18. Number of foreign or inland trips made by department personnel for academic purpose:

| Sr. No. | Mode | Total distance travelled in (km) |
|---------|------|----------------------------------|
|---------|------|----------------------------------|

| | | |
|--------------|-------------------------|------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | 20 km/ day |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | 3 buses | diesel/ CNG | 300 km |
| 2 | Postgraduate | 1 bus | diesel/ CNG | 5 km |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | Petrol | 16 | 20 |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

30. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc). NA

31. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants. 2 days, 70 participants

32. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
|---------|-------------------|------------|-------------|

| | | | |
|---|--------------|--|--|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Principal

Department of Microbiology
Date: 6.11.20

Modern College, Ganeshkhind, Pune



Green Audit Questionnaire

Department: Chemistry

Year of Establishment: 1993

Assessment Year:2019-20

Head of the Department: Dr. Madhuri Kulkarni

Number of working days: Semester I...90...days.....

Semester II.....90...days.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|------------------------------------|
| 1 | Teaching (including CHB, ADHOC) | 14 (2 CHB + 06 Adhoc + 06 Regular) |
| 2 | Non-teaching | 04 |
| 3 | Research Students (including project assistants) | NA |
| 4 | PG Students | 84 (MSc I – 45 + MSc II – 39) |
| 5 | UG Students | 398 (FY-207 + SY-157 + TY-34) |
| 6 | Junior College Students | NA |
| 7 | Any other (such as other courses run by dept) | NA |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|-------------------------|---------------------|----------------------|
| 1 | Seating/office space | 400 | 400 |
| 2 | Research | | |
| 3 | Post graduate | 1000 | 1000 |
| 4 | Graduate | 1200 | 1200 |
| 5 | Junior College Students | ----- | ----- |

| | | | |
|--------------|--------------------------------------|------|------|
| 6 | Special Labs (Preparation room etc.) | 100 | 100 |
| 7 | Any other | | |
| Total | | 2700 | 2700 |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers 5 pcs+ 1 laptop | 05+1 | Yes | |
| 2 | Printers, scanners, photocopy machines | 02 | Yes | |
| 3 | Computers attached to equipment | 01 | -- | |
| 4 | Refrigerators/Deep freezers etc | 02 | -- | |
| 5 | Air Conditioners (ACs) | NA | NA | |
| 6 | Small lab equipment | NA | NA | |
| 7 | Any other ice flakes making machine | 02 | NA | |
| Total | | | | |

AMC: Annual Maintenance Contract

36. How frequently is the maintenance of equipments done? **As and when required**

37. Do you maintain a dead stock register? Yes

38. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

No. of tables – 06 wood

No. of cabinets – 6 metal

No. of chairs – 14 plastic + 1 revolving

39. Are there unusable equipment in the department? How do you dispose them off? Yearly stock verification is done by a central committee and a report is generated including that of instruments to be scrapped. Then the verification of such dead stock results in disposing off as mostly e-waste.

40. Do you maintain a log book for use of consumables? Yes

41. Do you maintain record of electricity consumption by the department? If yes, provide details.
No

42. How much of bio-degradable solid waste is generated by the department per week? (kg)
Nil

43. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) about 2-3 kg

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | 5 kg | 5 litres |
| 2 | Specialty Chemicals | 1 kg | 1 litre |
| 3 | Solvents | --- | 5 litres |
| 4 | Any other | ---- | --- |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | 20 litre |
| 2 | Specialty Chemicals | | 1 lit |
| 3 | Solvents | | 300 mL |
| 4 | Drinking | | 30 litre |
| 5 | Any other | | |
| Total | | | 51.3 lit |

30. Is water used for distillation recycled? Yes

31. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 05

32. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

Journals for FYBSc(01), SYBSc(01), TYBSc (02), MSc.I (02), MSc II(01) and Files for TYBSc Physical(01) and M.Sc. I Physical Chemistry(01) **per student**

33. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year? 06 and 30 cylinders

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|---------|-------------------------|----------------------------------|
| 1 | Air | NA |
| 2 | Rail | NA |
| 3 | Road (Public Transport) | - |
| 4 | Road (Personal Vehicle) | - |

| | |
|--------------|--|
| Total | |
|--------------|--|

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | - | | |
| 2 | Bikes and scooters | Petrol | 18 | 300 Km |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | Diesel | 01 | 15Km |
| 4 | SUVs/MUVs | | | |

33. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc)

NA

34. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

35. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | 2 to 5 | ~9 |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |

| | | | |
|---|-----|--|--|
| 5 | BOD | | |
|---|-----|--|--|

Information provided above is verified and accurate to the best of my knowledge.

Head

Principal

Department of Chemistry

Modern College, Ganeshkhind, Pune



Date:

Green Audit Questionnaire

Department: Physics

Year of Establishment: 1993

Assessment Year:2019-20

Head of the Department: Mrs. Varsha Joshi

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 06 |
| 2 | Non-teaching | 02 |
| 3 | Research Students (including project assistants) | 00 |
| 4 | PG Students | 00 |
| 5 | UG Students | 160 |
| 6 | Junior College Students | 00 |
| 7 | Any other (such as other courses run by dept) | 55 |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 214 | 214 |
| 2 | Research | - | - |
| 3 | Post graduate | - | - |
| 4 | Graduate | 791 | 816 |
| 5 | Junior College Students | - | - |
| 6 | Special Labs (Preparation room etc.) | 25 | 25 |
| 7 | Any other | - | - |

| | | |
|--------------|------|------|
| Total | 1030 | 1030 |
|--------------|------|------|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|-----------|--------------|----------------|
| 1 | Computers | 08 | - | - |
| 2 | Printers, scanners, photocopy machines | 01 | 1 | 1 |
| 3 | Computers attached to equipment | - | - | - |
| 4 | Refrigerators/Deep freezers etc | - | - | - |
| 5 | Air Conditioners (ACs) | - | - | - |
| 6 | Small lab equipment | | | |
| 7 | Any other | - | - | - |
| Total | | 09 | 01 | 01 |

AMC: Annual Maintenance Contract

44. How frequently is the maintenance of equipments done?- Maintenance of Lab Equipment is done as and when required.
45. Do you maintain a dead stock register? - Yes
46. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)- All furniture is wooden furniture
 1. Tables-13 (wooden)
 2. chairs- 07 (plastic)
 3. working cabinets-
47. Are there unusable equipments in the department? How do you dispose them off? - No presently we do not have unusable equipments.
48. Do you maintain a log book for use of consumables? - No we do not need much consumables.
49. Do you maintain record of electricity consumption by the department? If yes, provide details.- No
50. How much of bio-degradable solid waste is generated by the department per week? (kg)- NA
51. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)- NA

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | - | - |
| 2 | Specialty Chemicals | - | - |
| 3 | Solvents | - | - |
| 4 | Any other | - | - |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

We use a small amount of chemicals when sometimes required for practicals or project work.

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | - | - |
| 2 | Specialty Chemicals | - | - |
| 3 | Solvents | - | - |
| 4 | Drinking | 2 | 2 |
| 5 | Any other (Washing Hands) | 10 | 10 |
| Total | | 12 | 12 |

34. Is water used for distillation recycled? - NA

35. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose)- 3 Rims

36. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)- Journal Pages required 19263 + Files 183

37. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?- One connection, Very less use , one cylinder for four years

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | - |
| 2 | Rail | - |
| 3 | Road (Public Transport) | - |
| 4 | Road (Personal Vehicle) | 150 Km |
| Total | | 150 Km |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | 3 | Diesel | 430 Km |
| 2 | Postgraduate | - | - | - |
| 3 | Research Scholar | - | - | - |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|--|-----------------|---------------------------------|
| 1 | Public Transport | Diesel | 02 | 110 |
| 2 | Bikes and scooters | Bike | 03 | 50 |
| 3 | Cars (i) Petrol | - | - | - |
| | (ii) Diesel | Diesel | 01 | 7 |
| 4 | SUVs/MUVs | - | - | - |

36. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).- NA

37. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participant -workshop 2 Days, 40 participants

38. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of Physics

Principal

Modern College, Ganeshkhind, Pune

Date:

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Green Audit Questionnaire

Department: **Electronics**

Year of Establishment: 1996

Assessment Year:2019-20

Head of the Department: Mrs. Vaishali S. Salunke

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 06 |
| 2 | Non-teaching | 02 |
| 3 | Research Students (including project assistants) | NA |
| 4 | PG Students | NA |
| 5 | UG Students | 428 |
| 6 | Junior College Students | NA |
| 7 | Any other (such as other courses run by dept) | NIL |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 168 | 168 |
| 2 | Research | NA | NA |
| 3 | Post graduate | NA | NA |
| 4 | Graduate | 1058 | 1058 |
| 5 | Junior College Students | NA | NA |
| 6 | Special Labs (Preparation room etc.) | NA | NA |
| 7 | Any other(Entrance lobby) | 292 | 292 |

| | | |
|--------------|------|------|
| Total | 1518 | 1518 |
|--------------|------|------|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|-------------------------|
| 1 | Computers | 13 | NO | Agency at college level |
| 2 | Printers, scanners, photocopy machines | 02 | NO | Agency at college level |
| 3 | Computers attached to equipment | nil | | |
| 4 | Refrigerators/Deep freezers etc | NA | | |
| 5 | Air Conditioners (ACs) | NIL | | |
| 6 | Small lab equipment | 43 | NO | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

52. How frequently is the maintenance of equipments done? Yearly (the instruments for which it is required)

53. Do you maintain a dead stock register? Yes, **Both in soft and hard form**

54. Provide a description about furniture in the department. (

Number of tables-24 wooden , chairs-12 plastic chairs, Stools -50 , steel cupboard=02 , Rack =02, Locker cupboard : 01 with 16 wooden units Old wooden cupboards =03

55. Are there unusable equipments in the department? How do you dispose them off?

Old outdated computers -10 ,

1. Prepare Scrap Note.

2. Third party Approval.

3. Get the scrap disposal approved

4. Dispose off the material to E-waste mgmt. agency.

56. Do you maintain a log book for use of consumables? **Yes**

57. Do you maintain record of electricity consumption by the department? If yes, provide details. **NO**

58. How much of bio-degradable solid waste is generated by the department per week? (. (250 gm.)

59. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)

12. Provide the details of chemicals used per week in the table below*- NA

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 12L | 12L |
| 5 | Any other | 2L | 2L |
| Total | | 14 | 14 |

38. Is water used for distillation recycled?

39. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose)

4 ream

40. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page:, quantity etc.) **85 Pgs. Of 70GSM* 428 Journals + 1400 answer Books**

41. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?**No**

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|---------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |

| | | |
|--------------|-------------------------|--|
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | Disel | 01 | 20kms. |
| 2 | Bikes and scooters | Petrol | 03 | 56 kms. |
| 3 | Cars (i) Petrol | Petrol | 01 | 12 Kms |
| | (ii) Diesel | Disel | 01 | 18 Kms. |
| 4 | SUVs/MUVs | | | |

39. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

40. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

1day* 602

41. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |

| | | | |
|---|-----|--|--|
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of Electronics

Principal

Modern College, Ganeshkhind, Pune

Date:

Green Audit Questionnaire

Department: **Mathematics**

Year of Establishment:

Assessment Year:2019-20

Head of the Department: Swati Mangesh Kandharkar

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 10 |
| 2 | Non-teaching | 01 |
| 3 | Research Students (including project assistants) | ---- |
| 4 | PG Students | 08 |
| 5 | UG Students | |
| 6 | Junior College Students | ----- |
| 7 | Any other (such as other courses run by dept) | ---- |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 80 | |
| 2 | Research | --- | |
| 3 | Post graduate | 450 | |
| 4 | Graduate | --- | |
| 5 | Junior College Students | ---- | |
| 6 | Special Labs (Preparation room etc.) | 434 | |
| 7 | Any other | ---- | |

| | | |
|--------------|-----|--|
| Total | 964 | |
|--------------|-----|--|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 27 | No | |
| 2 | Printers, scanners, photocopy machines | 06 | | |
| 3 | Computers attached to equipment | --- | | |
| 4 | Refrigerators/Deep freezers etc | --- | | |
| 5 | Air Conditioners (ACs) | 02 | | |
| 6 | Small lab equipment | --- | | |
| 7 | Any other | --- | | |
| Total | | 35 | | |

AMC: Annual Maintenance Contract

60. How frequently is the maintenance of equipments done? NA

61. Do you maintain a dead stock register? Yes

62. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

- a) Cupboard : 09
- b) Tables : 04
- c) Chairs : 07(Plastic)
02 (Metalic)
02 (Plastic with cushion)

63. Are there unusable equipments in the department? How do you dispose them off? No

64. Do you maintain a log book for use of consumables? NA

65. Do you maintain record of electricity consumption by the department? If yes, provide details. NA

66. How much of bio-degradable solid waste is generated by the department per week? (kg)
NA

67. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) NA

12. Provide the details of chemicals used per week in the table below*- NA

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 08 Lit. | |
| 5 | Any other | 02 Lit. | |
| Total | | 10 Lit. | |

42. Is water used for distillation recycled? NA

43. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 05 Rims

44. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.) NA

45. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year? NA

18. Number of foreign or inland trips made by department personnel for academic purpose NA

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | --- | 03 | 72 |
| 2 | Bikes and scooters | Petrol | 06 | 78 |
| 3 | Cars (i) Petrol | Petrol | 01 | 15 |
| | (ii) Diesel | --- | --- | --- |
| 4 | SUVs/MUVs | --- | --- | --- |

42. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).NA

43. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.NA

44. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Swati Kandharkar

Principal

Department of Mathematics

Modern College, Ganeshkhind, Pune

Date: 04/11/2020



Green Audit Questionnaire

Department: **Statistics**

Year of Establishment: 1996

Assessment Year:2019-20

Head of the Department: Mrs. Rajashree Umarani

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|---------|
| 1 | Teaching (including CHB, ADHOC) | 5 |
| 2 | Non-teaching | 1 |
| 3 | Research Students (including project assistants) | 0 |
| 4 | PG Students | 0 |
| 5 | UG Students | 36 (TY) |
| 6 | Junior College Students | |
| 7 | Any other (such as other courses run by dept) | |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|--------------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 450 | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |
| Total | | | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 23 | | |
| 2 | Printers, scanners, photocopy machines | 3 | | |
| 3 | Computers attached to equipment | 3 | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | | | |
| 6 | Small lab equipment | | | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

68. How frequently is the maintenance of equipments done? NA

69. Do you maintain a dead stock register? Yes

70. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

- Cupboard 03
- Tables : 04
- Chairs : 07(Plastic)
01 (Plastic with cushion)

71. Are there unusable equipments in the department? NO
How do you dispose them off?NA

72. Do you maintain a log book for use of consumables?NA

73. Do you maintain record of electricity consumption by the department?NO
If yes, provide details.

74. How much of bio-degradable solid waste is generated by the department per week? (kg)

75. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |

| | | | |
|--------------|-----------|--|--|
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 3-4 Lit | |
| 5 | Any other | | |
| Total | | | |

46. Is water used for distillation recycled?

47. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) Around 6 bundles

48. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)NA

49. Do you have LPG cylinder connection? NO
If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|--------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |

| | | | | |
|---|------------------|--|--|--|
| 3 | Research Scholar | | | |
|---|------------------|--|--|--|

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | Petrol | 3 | 20 |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

45. Does the department arrange the annual social/gathering and other functions? NO
If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

46. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.
One day Workshop Introduction to Python (3rd Feb,2020)

47. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Principal

Department of -----

Date:7/11/2020

Modern College, Ganeshkhind, Pune

Green Audit Questionnaire

Department: Commerce

Year of Establishment: 1992

Assessment Year:2019-20

Head of the Department:Dr Shubhangi Joshi

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 17 |
| 2 | Non-teaching | 2 |
| 3 | Research Students (including project assistants) | |
| 4 | PG Students | 159 |
| 5 | UG Students | 2969 |
| 6 | Junior College Students | |
| 7 | Any other (such as other courses run by dept) | |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 100 | 100 |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | 1500 | 1500 |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 5 | | |
| 2 | Printers, scanners, photocopy machines | 2 | | |
| 3 | Computers attached to equipment | | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | | | |
| 6 | Small lab equipment | | | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

76. How frequently is the maintenance of equipment done? As and when required

77. Do you maintain a dead stock register? Yes

78. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

79. Are there unusable equipments in the department? How do you dispose them off? NIL

80. Do you maintain a log book for use of consumables? N A

81. Do you maintain record of electricity consumption by the department? If yes, provide details.NO

82. How much of bio-degradable solid waste is generated by the department per week? (kg) N A

83. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) N A

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |

| | | | |
|--------------|-----------|--|--|
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | | |
| 5 | Any other | | |
| Total | | | |

50. Is water used for distillation recycled?

51. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 6

52. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.) Journals

53. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?
No

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|--------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |

| | | | | |
|---|------------------|--|--|--|
| 3 | Research Scholar | | | |
|---|------------------|--|--|--|

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|--|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | | | |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

48. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

49. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

50. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge

Head

Principal

Department of **Commerce**

Modern College, Ganeshkhind, Pune

Date:



Green Audit Questionnaire

Department: BBA(CA)

Year of Establishment: 2005

Assessment Year:2019-20

Head of the Department: Ms.Suwarna Mhasekar

Number of working days: Semester I.....5 months...approx.....
months...approx.....

Semester II.....5

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 5 |
| 2 | Non-teaching | 1 |
| 3 | Research Students (including project assistants) | 0 |
| 4 | PG Students | 0 |
| 5 | UG Students | 211 |
| 6 | Junior College Students | |
| 7 | Any other (such as other courses run by dept) | No |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 100 | 100 |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | 300 | 300 |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | 1100 | 1100 |
| 7 | Any other | | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|-------------------------|
| 1 | Computers | 62 | No | Need Upgraded computers |
| 2 | Printers, scanners, photocopy machines | 9 | No | |
| 3 | Computers attached to equipment | 62 | Yes | |
| 4 | Refrigerators/Deep freezers etc | 0 | No | |
| 5 | Air Conditioners (ACs) | 01 | No | |
| 6 | Small lab equipment | 0 | No | |
| 7 | Any other | 0 | No | |
| Total | | | | |

AMC: Annual Maintenance Contract

84. How frequently is the maintenance of equipment done? **rarely**

85. Do you maintain a dead stock register? **Yes**

86. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

| Furniture | Number | Description |
|--------------|--------|------------------|
| Table | 03 | wooden |
| Chairs | 73 | plastic |
| staff chairs | 05 | cosian and steel |
| Notice board | 03 | wooden |
| cupboard | 30 | wooden |
| shoe rack | 01 | wooden |

87. Are there unusable equipment in the department? How do you dispose them off? **No**

88. Do you maintain a log book for use of consumables? **Yes**

89. Do you maintain record of electricity consumption by the department? If yes, provide details. **No**

90. How much of bio-degradable solid waste is generated by the department per week? (kg)
No idea

91. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) **No**

12. Provide the details of chemicals used per week in the table below*- **Not Applicable**

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 10L | 10L |
| 5 | Any other | 05L | 05L |
| Total | | | |

54. Is water used for distillation recycled? **No**

55. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose)= **12**

56. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)= **30 ruled sheet+30 title pages+2 index+2 certificate +100 printing pages per student**

57. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?
No

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|---------|------|----------------------------------|
|---------|------|----------------------------------|

| | | |
|--------------|-------------------------|--|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | two wheeler -03 | petrol | 10 km |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | Disel | 01 | 40 km |
| 2 | Bikes and scooters | petrol | 02 | 15 km |
| 3 | Cars (i) Petrol | petrol | 01 | 7 km |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

51. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc). **NO**

52. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

Arranged Magnit inter collegiate event -02 days , No.of participants 50

53. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
|---------|-------------------|------------|-------------|

| | | | |
|---|--------------|--|--|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Principal

Department of -----BBA(CA)-----

Modern College, Ganeshkhind, Pune

Date:3/11/2020



Green Audit Questionnaire

Department: **Geography**

Year of Establishment: **1992**

Assessment Year: **2019-20**

Head of the Department: **Dr Sanjay Patil**

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 3 |
| 2 | Non-teaching | 1 |
| 3 | Research Students (including project assistants) | 0 |
| 4 | PG Students | 0 |
| 5 | UG Students | 350 |
| 6 | Junior College Students | 0 |
| 7 | Any other (such as other courses run by dept) | 0 |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 645 | |
| 2 | Research | 0 | |
| 3 | Post graduate | 0 | |
| 4 | Graduate | | |
| 5 | Junior College Students | 0 | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | 0 | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 1 | Yes | |
| 2 | Printers, scanners, photocopy machines | 1 | Yes | |
| 3 | Computers attached to equipment | 1 | Yes | |
| 4 | Refrigerators/Deep freezers etc | 0 | | |
| 5 | Air Conditioners (ACs) | 0 | | |
| 6 | Small lab equipment | 0 | | |
| 7 | Any other | 0 | | |
| Total | | | | |

AMC: Annual Maintenance Contract

92. How frequently is the maintenance of equipment done? Annual

93. Do you maintain a dead stock register? Yes

94. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)
Office Table - 4, Student's table 16, Student Chairs- 24

95. Are there unusable equipment in the department? How do you dispose them off? Nil

96. Do you maintain a log book for use of consumables? Nil

97. Do you maintain a record of electricity consumption by the department? If yes, provide details.- No

98. How much of biodegradable solid waste is generated by the department per week? (kg)-
Zero

99. How much of non biodegradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)- Only Papers- approx 250 gram.

100.

12. Provide the details of chemicals used per week in the table below-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | 0 | 0 |

| | | | |
|--------------|---------------------|---|---|
| 2 | Specialty Chemicals | 0 | 0 |
| 3 | Solvents | 0 | 0 |
| 4 | Any other | 0 | 0 |
| Total | | 0 | 0 |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | 0 | |
| 2 | Specialty Chemicals | 0 | |
| 3 | Solvents | 0 | |
| 4 | Drinking | 10 lit | |
| 5 | Any other | 0 | |
| Total | | | |

58. Is water used for distillation recycled?- No

59. How many numbers of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose)- 3 rim

60. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)- 105 Journals including 200 pages each.

61. Do you have an LPG cylinder connection? If yes, how many cylinders are utilized per year? No

18. Number of foreign or inland trips made by department personnel for academic purpose-

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | 900 km by bus for tour |
| 2 | Rail | xx |
| 3 | Road (Public Transport) | xx |
| 4 | Road (Personal Vehicle) | xx |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|----------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | 0 | | |

| | | | | |
|---|------------------|---|--|--|
| 2 | Postgraduate | 0 | | |
| 3 | Research Scholar | 0 | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petrol/ Diesel /CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | x | | |
| 2 | Bikes and scooters | 3 bikes - 20,000 km | 4 | 20 km per head |
| 3 | Cars (i) Petrol | 1 Car- 6000 km; | | 20 km |
| | (ii) Diesel | x | | |
| 4 | SUVs/MUVs | x | | |

54. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).- **Welcome function for 100 students, 12 kg biryani ordered.**

55. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.- 3 days Geo Carnival, 250 students participated.

56. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | xx | |
| 2 | Conductivity | xx | |
| 3 | Hardness | xx | |
| 4 | COD | xx | |
| 5 | BOD | xx | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Principal

Department of Geography

Modern College, Ganeshkhind, Pune

Date: 12-3-2021.



Green Audit Questionnaire

Department: Economics

Year of Establishment:

Assessment Year:2019-20

Head of the Department: Prof. Dastagir Pathan

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|---------------|
| 1 | Teaching (including CHB, ADHOC) | 4 |
| 2 | Non-teaching | 1 |
| 3 | Research Students (including project assistants) | -- |
| 4 | PG Students | 27+19=46 |
| 5 | UG Students | 171+59+60=290 |
| 6 | Junior College Students | -- |
| 7 | Any other (such as other courses run by dept) | -- |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure: NA

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|----------|--------------|----------------|
| 1 | Computers | 1 | Yes | |
| 2 | Printers, scanners, photocopy machines | 1Printer | | |
| 3 | Computers attached to equipment | -- | | |
| 4 | Refrigerators/Deep freezers etc | -- | | |
| 5 | Air Conditioners (ACs) | -- | | |
| 6 | Small lab equipment | -- | | |
| 7 | Any other | -- | | |
| Total | | | | |

AMC: Annual Maintenance Contract

101. How frequently is the maintenance of equipments done?

102. Do you maintain a dead stock register? Yes

103. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc

Number of tables-1, working cabinets-1, chairs-6,

104. Are there unusable equipments in the department? How do you dispose them off?

105. Do you maintain a log book for use of consumables?

106. Do you maintain record of electricity consumption by the department? If yes, provide details.

107. How much of bio-degradable solid waste is generated by the department per week? (kg)

108. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|------------------|---------------|------------------|
|---------|------------------|---------------|------------------|

| | | | |
|--------------|---------------------------------------|----|----|
| 1 | Common chemicals (Acids, salts, etc.) | -- | -- |
| 2 | Specialty Chemicals | -- | -- |
| 3 | Solvents | -- | -- |
| 4 | Any other | -- | -- |
| Total | | -- | -- |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | | |
| 5 | Any other | | |
| Total | | | |

62. Is water used for distillation recycled?

63. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose)

64. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

65. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | -- |
| 2 | Rail | -- |
| 3 | Road (Public Transport) | -- |
| 4 | Road (Personal Vehicle) | -- |
| Total | | -- |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|-------|----------------------------|----------------------------------|--------------------|
|---------|-------|----------------------------|----------------------------------|--------------------|

| | | | | |
|---|------------------|----|----|----|
| 1 | Graduate | -- | -- | -- |
| 2 | Postgraduate | -- | -- | -- |
| 3 | Research Scholar | -- | -- | -- |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | -- | -- | -- |
| 2 | Bikes and scooters | Petro/Disel | 4 | 32+30+12+8 =82 |
| 3 | Cars (i) Petrol | -- | -- | -- |
| | (ii) Diesel | -- | -- | -- |
| 4 | SUVs/MUVs | -- | -- | -- |

57. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

58. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

59. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | -- | -- |
| 2 | Conductivity | -- | -- |
| 3 | Hardness | -- | -- |
| 4 | COD | -- | -- |
| 5 | BOD | -- | -- |

Information provided above is verified and accurate to the best of my knowledge.

Head
Department of **Economics**
Date:

Principal



Modern College, Ganeshkhind, Pune

Green Audit Questionnaire

Department: English

Year of Establishment: 1992

Assessment Year: 2019-20

Head of the Department: Dr. Shampa Chakravarthy

Number of working days: Semester I- 90 Apx

Semester II- 90 Apx

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|----------|
| 1 | Teaching (including CHB, ADHOC) | 05 |
| 2 | Non-teaching | 01 |
| 3 | Research Students (including project assistants) | - |
| 4 | PG Students | - |
| 5 | UG Students | 1800 Apx |
| 6 | Junior College Students | - |
| 7 | Any other (such as other courses run by dept) | 01 |
| Total | | 1807 Apx |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 425 | 425 |
| 2 | Research | - | - |
| 3 | Post graduate | - | - |
| 4 | Graduate | - | - |
| 5 | Junior College Students | - | - |
| 6 | Special Labs (Preparation room etc.) | - | - |
| 7 | Any other | - | - |

| | | |
|--------------|---|---|
| Total | - | - |
|--------------|---|---|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 21 | Yes | - |
| 2 | Printers, scanners, photocopy machines | 1 | Yes | - |
| 3 | Computers attached to equipment | - | - | - |
| 4 | Refrigerators/Deep freezers etc | - | - | - |
| 5 | Air Conditioners (ACs) | - | - | - |
| 6 | Small lab equipment | - | - | - |
| 7 | Any other | - | - | - |
| Total | | 22 | - | - |

AMC: Annual Maintenance Contract

109. How frequently is the maintenance of equipments done? **Twice a Year**

110. Do you maintain a dead stock register? **Yes**

111. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

| Sr. No. | Particulars | No. |
|---------|--|-----|
| 1. | Wooden Tables | 02 |
| 2. | Wooden Computer Table with box | 07 |
| 3. | Office Staff Chair(Plastic & Cushioned) | 04 |
| 4. | Plastic Chairs | 22 |
| 5. | Office Chair (Head) | 01 |
| 6. | Office Plastic Chair (Brown Colored) | 04 |
| 7. | White Board | 01 |
| 8. | Notice Board | 01 |
| 9. | Fans | 02 |
| 10 | Fan (New) | 04 |
| 11 | Cupboard (Book Shelf) Wooden & Glass) | 01 |
| 12 | Cupboard (Book Shelf) Wooden | 03 |
| 13 | Wall Mount Cupboard (6 Boxes) Wooden | 0 |
| 14 | Table (Head) Wooden | 01 |

112. Are there unusable equipments in the department? How do you dispose them off?
NA

113. Do you maintain a log book for use of consumables? **NA**

114. Do you maintain record of electricity consumption by the department? If yes, provide details.

115. How much of bio-degradable solid waste is generated by the department per week? (kg) **NA**

116. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) **NA**

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | - | - |
| 2 | Specialty Chemicals | - | - |
| 3 | Solvents | - | - |
| 4 | Any other | - | - |
| Total | | - | - |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | - | - |
| 2 | Specialty Chemicals | - | - |
| 3 | Solvents | - | - |
| 4 | Drinking | 10 | 10 |
| 5 | Any other | - | - |
| Total | | 10 | 10 |

66. Is water used for distillation recycled? **NA**

67. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) **02**

68. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

69. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|---------|------|----------------------------------|
| 1 | Air | - |
| 2 | Rail | - |

| | | |
|--------------|-------------------------|---|
| 3 | Road (Public Transport) | - |
| 4 | Road (Personal Vehicle) | - |
| Total | | - |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | - | - | - |
| 2 | Postgraduate | - | - | - |
| 3 | Research Scholar | - | - | - |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | - | - | - |
| 2 | Bikes and scooters | Petrol | 02 | 15 |
| 3 | Cars (i) Petrol | Petrol | 02 | 15 |
| | (ii) Diesel | - | - | - |
| 4 | SUVs/MUVs | - | - | - |

60. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc). **NA**

61. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants. **NA**

62. Provide the details of waste water generated (Only for Chemistry Department)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | - | - |
| 2 | Conductivity | - | - |
| 3 | Hardness | - | - |

| | | | |
|---|-----|---|---|
| 4 | COD | - | - |
| 5 | BOD | - | - |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of English

Principal

Modern College, Ganeshkhind, Pune

Date:

Green Audit Questionnaire

Department: BCA

Year of Establishment: 2016

Assessment Year:2019-20

Head of the Department: Mr. Deepak Shivram Kumbhar

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 10 |
| 2 | Non-teaching | 01 |
| 3 | Research Students (including project assistants) | |
| 4 | PG Students | |
| 5 | UG Students | 220 |
| 6 | Junior College Students | |
| 7 | Any other (such as other courses run by dept) | |
| Total | | 231 |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 550 | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |

| | | |
|--------------|-----|--|
| Total | 550 | |
|--------------|-----|--|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|---------------------|
| 1 | Computers | 21 | Yes | Computer Department |
| 2 | Printers, scanners, photocopy machines | 01 | | |
| 3 | Computers attached to equipment | | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | 01 | | |
| 6 | Small lab equipment | | | |
| 7 | Any other : Fan | 02 | | |
| Total | | 25 | | |

AMC: Annual Maintenance Contract

117. How frequently is the maintenance of equipments done? as per the requirement

118. Do you maintain a dead stock register? Yes

119. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

No. of Table: 02 wooden long table

No. of chairs:40 Plastics chairs

120. Are there unusable equipments in the department? How do you dispose them off?
As per the deadstock committee report.

121. Do you maintain a log book for use of consumables? Nil

122. Do you maintain record of electricity consumption by the department? If yes, provide details. No.

123. How much of bio-degradable solid waste is generated by the department per week?
(kg) Nil

124. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) Nil.

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|------------------|---------------|------------------|
|---------|------------------|---------------|------------------|

| | | | |
|--------------|---------------------------------------|-----|--|
| 1 | Common chemicals (Acids, salts, etc.) | Nil | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | Nil | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 2 | |
| 5 | Any other | | |
| Total | | 2 | |

70. Is water used for distillation recycled?

71. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose)

72. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

73. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|-------|----------------------------|----------------------------------|--------------------|
| | | | | |

| | | | | |
|---|------------------|--|--|--|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | Diesel | 4 | 35 |
| 2 | Bikes and scooters | Petrol | 5 | 30 |
| 3 | Cars (i) Petrol | Petrol | 1 | 30 |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

63. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

64. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

65. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Principal

Deepak S.Kumbhar Department of
BCA(Science)

Modern College, Ganeshkhind, Pune

Date:10/11/2020

Green Audit Questionnaire

Department: Hindi

Year of Establishment:

Assessment Year:2019-20

Head of the Department:Dr.Savita Sabnis

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 1 |
| 2 | Non-teaching | -- |
| 3 | Research Students (including project assistants) | -- |
| 4 | PG Students | -- |
| 5 | UG Students | 423 |
| 6 | Junior College Students | -- |
| 7 | Any other (such as other courses run by dept) | -- |
| Total | | 424 |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | -- | -- |
| 2 | Research | -- | -- |
| 3 | Post graduate | -- | -- |
| 4 | Graduate | -- | -- |
| 5 | Junior College Students | -- | -- |
| 6 | Special Labs (Preparation room etc.) | -- | -- |
| 7 | Any other | -- | -- |

| | | |
|--------------|----|----|
| Total | -- | -- |
|--------------|----|----|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 1 | yes | |
| 2 | Printers, scanners, photocopy machines | -- | -- | |
| 3 | Computers attached to equipment | -- | -- | |
| 4 | Refrigerators/Deep freezers etc | -- | -- | |
| 5 | Air Conditioners (ACs) | -- | -- | |
| 6 | Small lab equipment | -- | -- | |
| 7 | Any other | -- | -- | |
| Total | | | | |

AMC: Annual Maintenance Contract

125. How frequently is the maintenance of equipments done? NA
126. Do you maintain a dead stock register? NA
127. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement

| | | |
|--------------|------------|----------|
| Tables | Metal | 1 |
| Chairs | Plastic | 3 |
| cupboard | wood/Metal | 2 |
| Total | | 6 |

128. Are there unusable equipments in the department? NO How do you dispose them off?
129. Do you maintain a log book for use of consumables?NO
130. Do you maintain record of electricity consumption by the department? If yes, provide details.NO
131. How much of bio-degradable solid waste is generated by the department per week? --(kg)

132. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)--

12. Provide the details of chemicals used per week in the table below*-NA

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | -- | -- |
| 2 | Specialty Chemicals | -- | -- |
| 3 | Solvents | -- | -- |
| 4 | Drinking | 2 | 2 |
| 5 | Any other | -- | -- |
| Total | | | |

74. Is water used for distillation recycled? NO

75. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose)

76. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

77. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?NO

18. Number of foreign or inland trips made by department personnel for academic purpose
NO

| Sr. No. | Mode | Total distance travelled in (km) |
|---------|-------------------------|----------------------------------|
| 1 | Air | -- |
| 2 | Rail | -- |
| 3 | Road (Public Transport) | -- |

| | | |
|--------------|-------------------------|----|
| 4 | Road (Personal Vehicle) | -- |
| Total | | -- |

19. Please provide the details of industrial trips for students in the following table if any-NA

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | CNG | 1 | 50Km |
| 2 | Bikes and scooters | -- | -- | -- |
| 3 | Cars (i) Petrol | -- | -- | -- |
| | (ii) Diesel | -- | -- | -- |
| 4 | SUVs/MUVs | -- | -- | -- |

66. Does the department arrange the annual social/gathering and other functions? NO If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

67. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.NO

68. Provide the details of waste water generated (**Only for Chemistry Department**) NA

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |

| | | | |
|---|-----|--|--|
| 5 | BOD | | |
|---|-----|--|--|

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of Hindi

Date:27 Oct 2020

Principal

Modern College, Ganeshkhind, Pune



Department: History

Year of Establishment: 1992

Assessment Year:2019-20

Head of the Department: Dr. Jyoti Gagangras

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|-------------------------|
| 1 | Teaching (including CHB, ADHOC) | 4 |
| 2 | Non-teaching | 1 |
| 3 | Research Students (including project assistants) | - |
| 4 | PG Students | 34 |
| 5 | UG Students | 192+60+47 |
| 6 | Junior College Students | - |
| 7 | Any other (such as other courses run by dept) | 33 (Modi script course) |
| Total | | 371 |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|--------------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 325 | 325 |
| 2 | Research | nil | nil |
| 3 | Post graduate | nil | nil |
| 4 | Graduate | nil | nil |
| 5 | Junior College Students | nil | nil |
| 6 | Special Labs (Preparation room etc.) | nil | nil |
| 7 | Any other | nil | nil |
| Total | | 325 | 325 |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|------------|--------------|------------------------------|
| 1 | Computers | 1 | no | require maintenance at times |
| 2 | Printers, scanners, photocopy machines | 1+0+0 | no | - |
| 3 | Computers attached to equipment | nil | no | |
| 4 | Refrigerators/Deep freezers etc | 0 | no | |
| 5 | Air Conditioners (ACs) | 0 | no | |
| 6 | Small lab equipment | 0 | no | |
| 7 | Any other | 1 (laptop) | no | |
| Total | | 3 | | |

AMC: Annual Maintenance Contract

133. How frequently is the maintenance of equipment done? **As and when required.**

134. Do you maintain a dead stock register? **Yes.**

135. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

| Sr. No. | Particulars | Number | Material (made of) |
|---------|------------------|--------|--------------------|
| 1 | Table | 2 | wood |
| 2 | working cabinets | 8 | wood |
| 3 | chairs, stool | 7 | plastic, wood |

136. Are there unusable equipments in the department? How do you dispose them off?
No

137. Do you maintain a log book for use of consumables? **No**

138. Do you maintain a record of electricity consumption by the department? If yes, provide details. **No**

139. How much of biodegradable solid waste is generated by the department per week? (kg) **NA**

140. How much of non biodegradable solid waste is generated by the department per week? (Including disposed instruments, broken glassware, metallic waste, plastics etc.) NA

12. Provide the details of chemicals used per week in the table below*- NA

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | NA | NA |
| 2 | Specialty Chemicals | NA | NA |
| 3 | Solvents | NA | NA |
| 4 | Any other | NA | NA |
| Total | | NA | NA |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day? 5L

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | NA | NA |
| 2 | Specialty Chemicals | NA | NA |
| 3 | Solvents | NA | NA |
| 4 | Drinking | 5 | 5 |
| 5 | Any other | | |
| Total | | 5 L | |

78. Is water used for distillation recycled? NA

79. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 1.5

80. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.) NA

81. Do you have an LPG cylinder connection? If yes, how many cylinders are utilized per year? NA

18. Number of foreign or inland trips made by department personnel for academic purpose NA

| Sr. No. | Mode | Total distance travelled in (km) |
|---------|-------------------------|----------------------------------|
| 1 | Air | - |
| 2 | Rail | - |
| 3 | Road (Public Transport) | - |

| | | |
|--------------|-------------------------|----|
| 4 | Road (Personal Vehicle) | - |
| Total | | NA |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | - | - | - |
| 2 | Postgraduate | - | - | - |
| 3 | Research Scholar | - | - | - |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petrol/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | - | - | - |
| 2 | Bikes and scooters | Petrol | 3 | 46 |
| 3 | Cars (i) Petrol | Petrol | 1 | 34 |
| | (ii) Diesel | - | - | |
| 4 | SUVs/MUVs | - | - | - |

69. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

Study tour: Naneghat and Chawand fort (from college to destination 115 km)

70. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

Kaun Banega History Scholar intercollegiate quiz competition : 153 participants, 1 day

71. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |

| | | | |
|---|----------|--|--|
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of History-----

Date:

Principal

Modern College, Ganeshkhind, Pune



Green Audit Questionnaire

Department: Marathi

Year of Establishment: 1992

Assessment Year:2019-20

Head of the Department -Dr.Sanskriti Awalgaonkar

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|-------------------|
| 1 | Teaching (including CHB, ADHOC) | 1 |
| 2 | Non-teaching | - |
| 3 | Research Students (including project assistants) | - |
| 4 | PG Students | |
| 5 | UG Students | 400 [BA AND BCOM] |
| 6 | Junior College Students | - |
| 7 | Any other (such as other courses run by dept) | -- |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure: NIL

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|--------------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |
| Total | | | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment:NIL

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | | | |
| 2 | Printers, scanners, photocopy machines | | | |
| 3 | Computers attached to equipment | | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | | | |
| 6 | Small lab equipment | | | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

141. How frequently is the maintenance of equipments done?
 142. Do you maintain a dead stock register?
 143. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)
 144. Are there unusable equipments in the department? How do you dispose them off?
 145. Do you maintain a log book for use of consumables?
 146. Do you maintain record of electricity consumption by the department? If yes, provide details.
 147. How much of bio-degradable solid waste is generated by the department per week? (kg)
 148. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)
12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 10L | |
| 5 | Any other | 12L | |
| Total | | 22L | |

82. Is water used for distillation recycled?

83. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 2 RIMS

84. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity .AS PER EXAM DEPT

85. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|-------------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total- NIL | | |

19. Please provide the details of industrial trips for students in the following table if any-NIL

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|--|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | PETROL | 1 | 4 KM |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

72. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

73. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

74. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of -----MARATHI

Principal

Modern College, Ganeshkhind, Pune

Green Audit Questionnaire

Department: Political Science

Year of Establishment: 2019-20

Assessment Year:2019-20

Head of the Department: Gauri Kopardekar

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--|
| 1 | Teaching (including CHB, ADHOC) | 2 |
| 2 | Non-teaching | -- |
| 3 | Research Students (including project assistants) | -- |
| 4 | PG Students | -- |
| 5 | UG Students | TY : 127 SY :157 FY:330 Total : 620 |
| 6 | Junior College Students | -- |
| 7 | Any other (such as other courses run by dept) | -- |
| Total | | 622 |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|--------------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 30 | 30 |
| 2 | Research | -- | -- |
| 3 | Post graduate | -- | -- |
| 4 | Graduate | -- | -- |
| 5 | Junior College Students | -- | -- |
| 6 | Special Labs (Preparation room etc.) | -- | -- |
| 7 | Any other | -- | -- |
| Total | | 30 | 30 |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|---------------------|--------------|----------------|
| 1 | Computers | 1 | Yes | -- |
| 2 | Printers, scanners, photocopy machines | -- | -- | -- |
| 3 | Computers attached to equipment | -- | -- | -- |
| 4 | Refrigerators/Deep freezers etc | -- | -- | -- |
| 5 | Air Conditioners (ACs) | -- | -- | -- |
| 6 | Small lab equipment | -- | -- | 1. -- |
| 7 | Any other | 1 Laptop 1 Phone | -- | -- |
| Total | | 3 | -- | -- |

AMC: Annual Maintenance Contract

149. How frequently is the maintenance of equipments done? twice for Laptop and once a month for computer

150. Do you maintain a dead stock register? yes

151. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

| Furniture | Made up of | Number |
|-----------|------------|--------|
| Table | Wood | 1 |
| Chairs | Metal | 2 |
| Stool | Wood | 1 |
| Cupboard | Wood | 1 |
| Fan | Metal | 1 |
| Total | -- | 6 |

152. Are there unusable equipments in the department? No How do you dispose them off? Getting it replaced

153. Do you maintain a log book for use of consumables? Yes

154. Do you maintain record of electricity consumption by the department? If yes, provide details. No

155. How much of bio-degradable solid waste is generated by the department per week? (kg)--

156. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) negligible

12. Provide the details of chemicals used per week in the table below*- NA

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | -- | -- |
| 2 | Specialty Chemicals | -- | -- |
| 3 | Solvents | -- | -- |
| 4 | Drinking | 2 | 2 to 3 |
| 5 | Any other | -- | -- |
| Total | | 2 | 2 to 3 |

86. Is water used for distillation recycled? --

87. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 1 rim for a year ie ½ per semester of blank sheets while ½ rim we use of one side blank per semester

88. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)--

89. Do you have LPG cylinder connection? No If yes, how many cylinders are utilized per year?--

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|---------|------|----------------------------------|
| 1 | Air | -- |
| 2 | Rail | -- |

| | | |
|--------------|-------------------------|--|
| 3 | Road (Public Transport) | 40 km per day |
| 4 | Road (Personal Vehicle) | -- |
| Total | | 40 km /day x 260= 1000 km approx for 2 teachers |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | -- | -- | -- |
| 2 | Postgraduate | -- | -- | -- |
| 3 | Research Scholar | -- | -- | -- |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | CNG | 1 | 20 |
| 2 | Bikes and scooters | Petrol | 1 | 20 |
| 3 | Cars (i) Petrol | -- | -- | -- |
| | (ii) Diesel | -- | -- | -- |
| 4 | SUVs/MUVs | -- | -- | -- |

75. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc). --

76. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants. --

77. Provide the details of waste water generated (**Only for Chemistry Department**) NA

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |

| | | | |
|---|-----|--|--|
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Gauri Kopardekar

Head

Department of Political Science

Date: 27 Oct 2020

Principal

Modern College, Ganeshkhind, Pune



Green Audit Questionnaire

Department: Psychology

Year of Establishment: 1992

Assessment Year: 2019-20

Head of the Department: Dr Sadhana Natu

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 5 |
| 2 | Non-teaching | 1 |
| 3 | Research Students (including project assistants) | - |
| 4 | PG Students | 22 |
| 5 | UG Students | 115 |
| 6 | Junior College Students | Nil |
| 7 | Any other (such as other courses run by dept) | Nil |
| Total | | 143 |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|--------------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 200 sq feet | 150 sq feet |
| 2 | Research | Nil | Nil |
| 3 | Post graduate | Nil | Nil |
| 4 | Graduate | Nil | Nil |
| 5 | Junior College Students | Nil | Nil |
| 6 | Special Labs (Preparation room etc.) | Nil | Nil |
| 7 | Any other | Nil | Nil |
| Total | | | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|---------|--------------------|--------|--------------|----------------|
|---------|--------------------|--------|--------------|----------------|

| | | | | |
|--------------|--|-----------|-----|--------------------------|
| 1 | Computers | 1 | Yes | Maintenance with college |
| 2 | Printers, scanners, photocopy machines | 1 Printer | Yes | Maintenance with college |
| 3 | Computers attached to equipment | Nil | Nil | |
| 4 | Refrigerators/Deep freezers etc | Nil | Nil | |
| 5 | Air Conditioners (ACs) | Nil | Nil | |
| 6 | Small lab equipment | Nil | Nil | |
| 7 | Any other | Nil | Nil | |
| Total | | | | |

AMC: Annual Maintenance Contract

157. How frequently is the maintenance of equipments done? **As required**
158. Do you maintain a dead stock register? **Yes**
159. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

| S.No | Particulars | Number | Made of (Material) |
|------|------------------|---------|----------------------------------|
| 1 | Table | 07 | Wooden |
| 2 | Chairs Stools | 31 8 | Plastic Chairs Wood and steel |
| 3 | Cabinet | 02 | Wall mounted - Wooden |
| 4 | Fan | 08 | ceiling fans Metal |
| 5 | Intercom | 01 | Plastic |

160. Are there unusable equipments in the department? How do you dispose them off?
No
161. Do you maintain a log book for use of consumables? **No**
162. Do you maintain record of electricity consumption by the department? If yes, provide details. **No**

163. How much of biodegradable solid waste is generated by the department per week?
(kg) NA

164. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) NA

12. Provide the details of chemicals used per week in the table below*- NA

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 6 ltrs.Appro | |
| 5 | Any other | | |
| Total | | 6 ltrs.Appro | |

90. Is water used for distillation recycled? NA

91. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 2 realms per semester

92. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.) 55 students have one journal with 200 pages each.

93. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?
NO

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|---------|-------------------------|----------------------------------|
| 1 | Air | 1166 |
| 2 | Rail | Nil |
| 3 | Road (Public Transport) | 10 km |

| | | |
|--------------|-------------------------|-----|
| 4 | Road (Personal Vehicle) | Nil |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | Road, 2 wheelers | Petrol | 3 km |
| 2 | Postgraduate | - | - | - |
| 3 | Research Scholar | - | - | - |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | Petrol | 2 | 35 |
| 2 | Bikes and scooters | Petrol | 1 | 5 |
| 3 | Cars (i) Petrol | Petrol | 1 | 10 |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

78. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc). NA

79. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

80. Provide the details of waste water generated (Only for Chemistry Department)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |

| | | | |
|---|-----|--|--|
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Dr Sadhana Natu
Department of Psychology
Date: 2/11/2020

Principal

Modern College, Ganeshkhind, Pune



Department: Sociology

Year of Establishment: 1992

Assessment Year:2019-20

Head of the Department: Dr. Jyoti Gagangras

Number of working days: Semester I - 90 Days

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|----------------|--|---------------|
| 1 | Teaching (including CHB, ADHOC) | 5 |
| 2 | Non-teaching | - |
| 3 | Research Students (including project assistants) | - |
| 4 | PG Students | 37 |
| 5 | UG Students | 415 |
| 6 | Junior College Students | - |
| 7 | Any other (such as other courses run by dept) | - |
| Total | | 557 |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|----------------|--------------------------------------|----------------------------|-----------------------------|
| 1 | Seating/office space | 7*8 | 7*8 |
| 2 | Research | - | - |
| 3 | Post graduate | - | - |
| 4 | Graduate | - | - |
| 5 | Junior College Students | - | - |
| 6 | Special Labs (Preparation room etc.) | - | - |
| 7 | Any other | - | - |
| Total | | 7*8 | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 02 | Yes | |
| 2 | Printers, scanners, photocopy machines | 01 | Yes | |
| 3 | Computers attached to equipment | - | - | |
| 4 | Refrigerators/Deep freezers etc | - | - | |
| 5 | Air Conditioners (ACs) | - | - | |
| 6 | Small lab equipment | - | - | |
| 7 | Any other | - | - | |
| Total | | 03 | | |

AMC: Annual Maintenance Contract

165. How frequently is the maintenance of equipment done? Regularly

166. Do you maintain a dead stock register? Yes

167. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc) Work station-1, cabinets-18, Chairs- 5 plastic, 1 office, 1 metal with foam

168. Are there unusable equipments in the department? How do you dispose them off?
NA

169. Do you maintain a log book for use of consumables? NA

170. Do you maintain record of electricity consumption by the department? If yes, provide details. No

171. How much of bio-degradable solid waste is generated by the department per week? (kg) 0.5kg

172. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.) No

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | --- | |
| 2 | Specialty Chemicals | ---- | |

| | | | |
|--------------|-----------|------|--|
| 3 | Solvents | ---- | |
| 4 | Any other | ---- | |
| Total | | ---- | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | ---- | |
| 2 | Specialty Chemicals | - | |
| 3 | Solvents | - | |
| 4 | Drinking | 5 L | |
| 5 | Any other | | |
| Total | | 5 L | |

94. Is water used for distillation recycled?NA

95. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 4 paper rims

96. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.) NA

97. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?
NA

18. Number of foreign or inland trips made by department personnel for academic purpose
Yes

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | 2000km |
| 2 | Rail | 2000km |
| 3 | Road (Public Transport) | - |
| 4 | Road (Personal Vehicle) | 900km |
| Total | | 4900km |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|----------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | - | - | - |

| | | | | |
|---|------------------|---|---|---|
| 2 | Postgraduate | - | - | - |
| 3 | Research Scholar | - | - | - |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | - | - | - |
| 2 | Bikes and scooters | 4 (petrol) | 4 | 86km |
| 3 | Cars (i) Petrol | 1 (petrol) | 1 | 16km |
| | (ii) Diesel | - | - | - |
| 4 | SUVs/MUVs | - | - | - |

81. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc). Annual welcome gathering for SY and MA First year (sociology students) (approximately 40 students- snacks (5kg), Water (20 liters), Paper plate/ packaging (1kg)

Annual Farewell gathering for TYBA and MA second year (sociology students) (approximately 40 students- snacks (5kg), Water (20 liters), Paper plate/ packaging (1kg)

82. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

Two Days National Conference organized by Department of Sociology in Collaboration with SPPU (under QIP) on 7th and 8th February. Total no of participants 104.

83. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of Sociology

Date:13/03/21

Principal

Modern College, Ganeshkhind, Pune



Green Audit Questionnaire

Department: Canteen

Year of Establishment:

Assessment Year:2019-20

Head of the Department:

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | |
| 2 | Non-teaching | |
| 3 | Research Students (including project assistants) | |
| 4 | PG Students | |
| 5 | UG Students | |
| 6 | Junior College Students | |
| 7 | Any other (such as other courses run by dept) | |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|--------------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |
| Total | | | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | | | |
| 2 | Printers, scanners, photocopy machines | | | |
| 3 | Computers attached to equipment | | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | | | |
| 6 | Small lab equipment | | | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

173. How frequently is the maintenance of equipments done?
174. Do you maintain a dead stock register?
175. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)
176. Are there unusable equipments in the department? How do you dispose them off?
177. Do you maintain a log book for use of consumables?
178. Do you maintain record of electricity consumption by the department? If yes, provide details.
179. How much of bio-degradable solid waste is generated by the department per week? (kg)
180. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)
12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | | |
| 5 | Any other | | |
| Total | | | |

98. Is water used for distillation recycled?

99. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose)

100. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

101. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | | | |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

84. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

85. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

86. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of -----

Date:

Principal

Modern College, Ganeshkhind, Pune

Green Audit Questionnaire

Department: Administrative office

Year of Establishment: 1992

Assessment Year:2019-20

Head of the Department:Mr.Prakash D.Renuse

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 160 |
| 2 | Non-teaching | 75 |
| 3 | Research Students (including project assistants) | 4 |
| 4 | PG Students | 741 |
| 5 | UG Students | 4502 |
| 6 | Junior College Students | - |
| 7 | Any other (such as other courses run by dept) | - |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|--------------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | 2000 | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |
| Total | | | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|---------|--------------------|--------|--------------|----------------|
|---------|--------------------|--------|--------------|----------------|

| | | | | |
|--------------|--|----|-----|--|
| 1 | Computers | 18 | Yes | |
| 2 | Printers, scanners, photocopy machines | 10 | Yes | |
| 3 | Computers attached to equipment | | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | 5 | Yes | |
| 6 | Small lab equipment | | | |
| 7 | Any other | 22 | Yes | |
| Total | | | | |

AMC: Annual Maintenance Contract

181. How frequently is the maintenance of equipments done? Quarterly
182. Do you maintain a dead stock register? Yes
183. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)
Cabinets - 06, Table - 16, Chairs - 20, Dustbin - 16, Filter - 01
184. Are there unusable equipments in the department? How do you dispose them off?
185. Do you maintain a log book for use of consumables? Yes
186. Do you maintain record of electricity consumption by the department? If yes, provide details.
187. How much of bio-degradable solid waste is generated by the department per week? (kg)
188. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)
12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | | |
| 5 | Any other | | |
| Total | | | |

102. Is water used for distillation recycled?

103. How many number of A4 size paper rims are consumed per semester?
(including for research, administration or any other purpose) 170

104. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

105. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|--|-----------------|---------------------------------|
| 1 | Public Transport | Disel | 17 | 58 km |
| 2 | Bikes and scooters | Petrol | 57 | 47 km |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

87. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

88. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

89. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of -----

Date:

Principal

Modern College, Ganeshkhind, Pune

Green Audit Questionnaire

Department: B.Voc.

Year of Establishment: 2014

Assessment Year:2019-20

Head of the Department: Mrunal Pardeshi (Co- ordinator)

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 8 |
| 2 | Non-teaching | 2 |
| 3 | Research Students (including project assistants) | - |
| 4 | PG Students | - |
| 5 | UG Students | 137 |
| 6 | Junior College Students | - |
| 7 | Any other (such as other courses run by dept) | - |
| Total | | 147 |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|--------------|--------------------------------------|---|----------------------|
| 1 | Seating/office space | 8x8, 8x9 | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | 5.5x4.5, 9x4, 8x7, 16x5, 28x6.5, 25x15.5, 15.5x22 | |
| 7 | Any other | | |
| Total | | 1223.75 | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 4 | | |
| 2 | Printers, scanners, photocopy machines | 1 | | |
| 3 | Computers attached to equipment | 1 | | |
| 4 | Refrigerators/Deep freezers etc | 3 | | |
| 5 | Air Conditioners (ACs) | nil | | |
| 6 | Small lab equipment | 50 | | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

189. How frequently is the maintenance of equipments done? -6 months

190. Do you maintain a dead stock register?-Yes

191. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)

192. Are there unusable equipment in the department? How do you dispose them off? -
Yes

193. Do you maintain a log book for use of consumables? - Yes

194. Do you maintain a record of electricity consumption by the department? If yes, provide details.- No

195. How much of bio-degradable solid waste is generated by the department per week? (kg)-5 Kg

196. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)-1 kg

12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|--|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | 50ml, 100 gm | |
| 2 | Specialty Chemicals (Pectin, KMS, citric acid, GMS, CMC) | 50gm | |
| 3 | Solvents | | |

| | | | |
|--------------|--------------------------------|------|--|
| 4 | Any other (Colour and Flavour) | 10gm | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?-

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | 2lit | |
| 2 | Specialty Chemicals | 1lit | |
| 3 | Solvents | 1 | |
| 4 | Drinking | 5 | |
| 5 | Any other (Washing) | 10 litr., | |
| Total | | | |

106. Is water used for distillation recycled? -No

107. How many number of A4 size paper rims are consumed per semester?
(including for research, administration or any other purpose)- 3

108. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)- 385 pages

109. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year? 4

18. Number of foreign or inland trips made by department personnel for academic purpose-
No

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | Nil |
| 2 | Rail | Nil |
| 3 | Road (Public Transport) | Nil |
| 4 | Road (Personal Vehicle) | Nil |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|--------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | 2 buses | | 150 Km |
| 2 | Postgraduate | | | |

| | | | | |
|---|------------------|--|--|--|
| 3 | Research Scholar | | | |
|---|------------------|--|--|--|

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|--|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | petrol | 4 | 100 |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

90. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc). Food- thali system, electricity- , water- 150ltr, paper-1 box, plastics- snack plates-250, Glass-250, tea cups-250, packaging-gift paper- 10

91. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants. 1 day, 130 students.

92. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Principal

Ms. Mrunal Pardeshi (Co-ordinator)
Department of B. vocational Food
Processing Technology
Date: 10/11/2020

Modern College, Ganeshkhind, Pune



Green Audit Questionnaire

Department: Physical Education

Year of Establishment:

Assessment Year:2019-20

Head of the Department: Dr. Deepak Shendkar

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | 1 |
| 2 | Non-teaching | 1 |
| 3 | Research Students (including project assistants) | 0 |
| 4 | PG Students | 743 |
| 5 | UG Students | 4502 |
| 6 | Junior College Students | NA |
| 7 | Any other (such as other courses run by dept) | Nil |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|---|---------------------|----------------------|
| 1 | Seating/office space | 217 | 217 |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) gymkhana | | |
| 7 | Indoor Gymnasium | 670 | 670 |
| | Open Gym | 280 | 280 |
| | Basketball Court | 4600 | 4600 |
| | Open Badminton Court | 880 | 880 |

| | | | |
|--------------|-----------------------------|-------|-------|
| | Volleyball Court | 5022 | 5022 |
| | Open Stage | 580 | 580 |
| | Store Room | 272 | 272 |
| | Staff/Student Changing Room | 93 | 93 |
| Total | | 12614 | 12614 |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | 3 | | |
| 2 | Printers, scanners, photocopy machines | 2 | | |
| 3 | Computers attached to equipment | | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | | | |
| 6 | Small lab equipment | | | |
| 7 | Any other | | | |
| Total | | 5 | | |

AMC: Annual Maintenance Contract

197. How frequently is the maintenance of equipment done? As per requirement
198. Do you maintain a dead stock register? Yes
199. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)
Tabel (Plywood 3), Cabinets (Plywood 6 big+3 Small), Chair (Plastic 10 +2 Office).
200. Are there unusable equipment in the department? How do you dispose of them off?
Yes, As per College Guidelines
201. Do you maintain a log book for use of consumables? Yes
202. Do you maintain record of electricity consumption by the department? If yes, provide details. No.
203. How much of biodegradable solid waste is generated by the department per week?
(kg) : 1 kg.

204. How much of non biodegradable solid waste is generated by the department per week? (Including disposed instruments, broken glassware, metallic waste, plastics etc.) 500 gm

12. Provide the details of chemicals used per week in the table below*- NA.

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|--------------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | 2 | 2 |
| 5 | Any other | | |
| Total | | 2 | 2 |

110. Is water used for distillation recycled? NA

111. How many number of A4 size paper rims are consumed per semester? (including for research, administration or any other purpose) 5

112. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.) 1700 Booklet * 36 pages *

113. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?No.

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|---------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | 1000 Aprox |

| | |
|--------------|--|
| Total | |
|--------------|--|

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Disel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|---|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | 1 | 1 | 32 |
| 3 | Cars (i) Petrol | 1 | 1 | 22 |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

93. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

94. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

95. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of Physical Education

Date:

Principal

Modern College, Ganeshkhind, Pune



Green Audit Questionnaire

Department: NSS/NCC unit

Year of Establishment:

Assessment Year:2019-20

Head of the Department:

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | |
| 2 | Non-teaching | |
| 3 | Research Students (including project assistants) | |
| 4 | PG Students | |
| 5 | UG Students | |
| 6 | Junior College Students | |
| 7 | Any other (such as other courses run by dept) | |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|---------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | | | |
| 2 | Printers, scanners, photocopy machines | | | |
| 3 | Computers attached to equipment | | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | | | |
| 6 | Small lab equipment | | | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

205. How frequently is the maintenance of equipments done?
 206. Do you maintain a dead stock register?
 207. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)
 208. Are there unusable equipments in the department? How do you dispose them off?
 209. Do you maintain a log book for use of consumables?
 210. Do you maintain record of electricity consumption by the department? If yes, provide details.
 211. How much of bio-degradable solid waste is generated by the department per week? (kg)
 212. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)
12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |

| | | | |
|--------------|-----------|--|--|
| 3 | Solvents | | |
| 4 | Any other | | |
| Total | | | |

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | | |
| 5 | Any other | | |
| Total | | | |

114. Is water used for distillation recycled?

115. How many number of A4 size paper rims are consumed per semester?
(including for research, administration or any other purpose)

116. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

117. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|--------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |

| | | | | |
|---|------------------|--|--|--|
| 3 | Research Scholar | | | |
|---|------------------|--|--|--|

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|--|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | | | |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

96. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

97. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

98. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of -----

Date:

Principal

Modern College, Ganeshkhind, Pune

Green Audit Questionnaire

Department: Library

Year of Establishment:

Assessment Year:2019-20

Head of the Department:

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | |
| 2 | Non-teaching | |
| 3 | Research Students (including project assistants) | |
| 4 | PG Students | |
| 5 | UG Students | |
| 6 | Junior College Students | |
| 7 | Any other (such as other courses run by dept) | |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|--------------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |
| Total | | | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | | | |
| 2 | Printers, scanners, photocopy machines | | | |
| 3 | Computers attached to equipment | | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | | | |
| 6 | Small lab equipment | | | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

213. How frequently is the maintenance of equipments done?
214. Do you maintain a dead stock register?
215. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)
216. Are there unusable equipments in the department? How do you dispose them off?
217. Do you maintain a log book for use of consumables?
218. Do you maintain record of electricity consumption by the department? If yes, provide details.
219. How much of bio-degradable solid waste is generated by the department per week? (kg)
220. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)
12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | | |
| 5 | Any other | | |
| Total | | | |

118. Is water used for distillation recycled?

119. How many number of A4 size paper rims are consumed per semester?
(including for research, administration or any other purpose)

120. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

121. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|--|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | | | |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

99. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

100. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

101. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of Librayy

Date:

Principal

Modern College, Ganeshkhind, Pune

Green Audit Questionnaire

Department: Hostels(Ladies + Gents) and Guest House

Year of Establishment:

Assessment Year:2019-20

Head of the Department:

Number of working days: Semester I.....

Semester II.....

1. Staff and Students

| Sr. No. | Specification | Number |
|--------------|--|--------|
| 1 | Teaching (including CHB, ADHOC) | |
| 2 | Non-teaching | |
| 3 | Research Students (including project assistants) | |
| 4 | PG Students | |
| 5 | UG Students | |
| 6 | Junior College Students | |
| 7 | Any other (such as other courses run by dept) | |
| Total | | |

(Note: Do not repeat the information if a lab is used for more than one course)

2. Laboratories and Infrastructure:

| Sr. No. | Name of Laboratory | Total Area (Sq.Ft.) | Usable Area (Sq.Ft.) |
|--------------|--------------------------------------|---------------------|----------------------|
| 1 | Seating/office space | | |
| 2 | Research | | |
| 3 | Post graduate | | |
| 4 | Graduate | | |
| 5 | Junior College Students | | |
| 6 | Special Labs (Preparation room etc.) | | |
| 7 | Any other | | |
| Total | | | |

(Note: Do not repeat the information if a lab is used for more than one course)

3. Computers, peripherals and equipment

| Sr. No. | Name of Laboratory | Number | AMC (Yes/No) | Remarks if any |
|--------------|--|--------|--------------|----------------|
| 1 | Computers | | | |
| 2 | Printers, scanners, photocopy machines | | | |
| 3 | Computers attached to equipment | | | |
| 4 | Refrigerators/Deep freezers etc | | | |
| 5 | Air Conditioners (ACs) | | | |
| 6 | Small lab equipment | | | |
| 7 | Any other | | | |
| Total | | | | |

AMC: Annual Maintenance Contract

221. How frequently is the maintenance of equipments done?
222. Do you maintain a dead stock register?
223. Provide a description about furniture in the department. (Number of tables, working cabinets, chairs etc. Also mention if they are made of metal/plastic/wood/cement etc)
224. Are there unusable equipments in the department? How do you dispose them off?
225. Do you maintain a log book for use of consumables?
226. Do you maintain record of electricity consumption by the department? If yes, provide details.
227. How much of bio-degradable solid waste is generated by the department per week? (kg)
228. How much of non bio-degradable solid waste is generated by the department per week? (Including disposed instruments broken glassware, metallic waste, plastics etc.)
12. Provide the details of chemicals used per week in the table below*-

| Sr. No. | Type of Chemical | Quantity (kg) | Total Volume (L) |
|---------|---------------------------------------|---------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Any other | | |

| | | |
|--------------|--|--|
| Total | | |
|--------------|--|--|

*Please provide approximate values in case exact calculation is not possible

13. How much water is used by the department per day?

| Sr. No. | Use | Quantity (L) | Total Volume (L) |
|--------------|---------------------------------------|--------------|------------------|
| 1 | Common chemicals (Acids, salts, etc.) | | |
| 2 | Specialty Chemicals | | |
| 3 | Solvents | | |
| 4 | Drinking | | |
| 5 | Any other | | |
| Total | | | |

122. Is water used for distillation recycled?

123. How many number of A4 size paper rims are consumed per semester?
(including for research, administration or any other purpose)

124. Provide the details of student laboratory journals/manuals/record books, answer sheets (GSM of page, quantity etc.)

125. Do you have LPG cylinder connection? If yes, how many cylinders are utilized per year?

18. Number of foreign or inland trips made by department personnel for academic purpose

| Sr. No. | Mode | Total distance travelled in (km) |
|--------------|-------------------------|----------------------------------|
| 1 | Air | |
| 2 | Rail | |
| 3 | Road (Public Transport) | |
| 4 | Road (Personal Vehicle) | |
| Total | | |

19. Please provide the details of industrial trips for students in the following table if any-

| Sr. No. | Class | Type and number of vehicle | Type of fuel used by the vehicle | Distance travelled |
|---------|------------------|----------------------------|----------------------------------|--------------------|
| 1 | Graduate | | | |
| 2 | Postgraduate | | | |
| 3 | Research Scholar | | | |

20. Provide the details of transport facility used by staff in the following table-

| Sr. No. | Type of vehicle | Type of fuel used vehicle (Petro/Diesel/CNG) | Number of staff | Distance travelled per day (km) |
|---------|--------------------|--|-----------------|---------------------------------|
| 1 | Public Transport | | | |
| 2 | Bikes and scooters | | | |
| 3 | Cars (i) Petrol | | | |
| | (ii) Diesel | | | |
| 4 | SUVs/MUVs | | | |

102. Does the department arrange the annual social/gathering and other functions? If yes, Describe briefly for each function resources used such as food, electricity, water, paper, plastics, packaging used etc).

103. Give the details of conferences/symposia/workshops arranged by department in this academic year with reference to number of days and number of participants.

104. Provide the details of waste water generated (**Only for Chemistry Department**)

| Sr. No. | Quality parameter | Before Use | Waste Water |
|---------|-------------------|------------|-------------|
| 1 | pH | | |
| 2 | Conductivity | | |
| 3 | Hardness | | |
| 4 | COD | | |
| 5 | BOD | | |

Information provided above is verified and accurate to the best of my knowledge.

Head

Department of -----

Date:

Principal

Modern College, Ganeshkhind, Pune

| Departments | Teaching and nonteaching Staff | Total students (T.Y.+ PG) | Total Usable area(Sq.Ft.) | Computers | Printers, scanner, photocoppy machines | Computer attached to equipment | Refrigerators/D deep freezers etc | Air Conditioners (ACs) | Small lab equipment | AMC | No. of cabins | of chairs +cupboards+notice board+hoe | electricity consumption by the department | Biodegradable solid waste in Kg per year | Non biodegradable solid waste in kg/year | mm on chemicals (Acids, salt, etc. | Specialty Chemicals (kg/ltr/year) | Drinking water per day | Non drinking water per day | A4 size paper rims are consumed per year | ent laboratory journals /magazines /records per year | LPG cylinder utilised per year | Total fuel used by vehicle (Petro/Diesel/NG) by staff per day | Distance travelled by staff per day (km) | of days conferences/ symposia/ workshops | No. of Participants | | |
|-----------------------|--------------------------------|---------------------------|---------------------------|-----------|--|--------------------------------|-----------------------------------|------------------------|---------------------|-----|---------------|---------------------------------------|---|--|--|------------------------------------|-----------------------------------|------------------------|----------------------------|--|--|--------------------------------|---|--|--|---------------------|-----|-----|
| Biotechnology | 21 | 302 | 3300 | 3000 | 22 | 4 | 3 | 3+5 | 6 | 150 | no | 6 | 61 | 40 | 30kg | 28ltr | 2ltr | 22ltr | 50ltr | 8 | 840 | 4 | 10ltr | 200km | 6 | | | |
| Microbiology | 16 | 145 | 4002 | 3201.6 | 6 | 2+1 | 2 | 5 | 1 | 162 | No | 3 | 64 | 15 | kg | 45 kg | 15 L | 1L | 10ltr | 30ltr | 7 | 350 | 5 | 500 ml + 3 | 320 Km | 2 | 70 | |
| Chemistry | 18 | 482 | 2700 | 2700 | 6 | 2 | 1 | 4 | 0 | 158 | No | 6 | 21 | Nil | 3kg | 20L | 1L | 14L | 30L | 5 | 482 | 36 | 350 ml | 315 Km | 7 | 45 | | |
| Physics | 8 | 160 | 1030 | 1030 | 8 | 1 | 0 | 0 | 0 | 110 | No | 2 | 21 | Nil | Nil | Nil | Nil | 6L | 10L | 3 | 183 | 0.25 | 3 P + 2 D | 110 km | Nil | Nil | | |
| Mathematics | 10 + 1 | | 964 | 964 | 27 | 6 | 0 | 0 | 2 | 0 | | 1 | 31 | | | | | | | | | | | | | | | |
| Statistics | 5+1 | 36+0 | 450 | | 23 | 3 | 3 | 0 | 0 | 0 | 0 | book case | 6 | | | | | | 4 | | | | | | | | | |
| Electronic s | 6 | 454 | 1428 | 1338 | 13 | 2 | 2 | 0 | 0 | nil | no | 2 | 25 | no | no | no | no | 9 lit | 2 lit | 6/day | 110 | nil | 500ml | 20 Km | 2 | | | |
| Botany | 8 | 253 | 1075 | 1075 | 3 | 1 | 0 | 2 | 0 | 55 | 0 | 3 | 70 | | 72 | 9.6 | 2 | 1.6 lit | 10 lit | 2 | 1150 | 0.5 | 3 D + 3 P | 180 km | 1 | 100 | | |
| Zoology | 22 | 423 | 1923 | 1923 | 8 | 3 | 2 | 3 | 1 | 15 | | 4 | 119 | | 110 | 48 | 9.6 | 9.6 | 22 lit | 15 lit | 2 | 21.15 | 2 | 35 D + 31 | Air (2049 KM) | | | |
| B.Voc | 8 | 137 | | Lab 1=3 | 3 | 1 | 0 | 3 | 0 | | Yes | 2 | 30 | no | no | no | no | 3 | 50 lit | 60 lit | 6 | 360 | 4 | 2ltr | 100 | nil | nil | |
| B.A. Science | 10+01 | 220 | 550 | | 21 | 1 | 0 | 0 | 1 | Yes | | 42 | | no | no | no | no | 2 lit | | 8 | 280 | 2 | lit | 30 Km | | | | |
| Arts | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Computer Science | 20+3 | 302 | 3000 | 2500 | 94 | 9 | 3 | no | 13 | NA | Yes | 7 | 116 | NA | NA | NA | NA | 25lit | 5 lit | 25 | NA | NA | 10 lit | 125 KM | 10 day | 300 | | |
| Marathi | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hindi | 1 | 23 | 425 | 425 | 1 | 1 | 1 | 0 | 0 | 0 | Yes | 5 | 0 | 3 | NA | NA | NA | NA | 5 | 1trs | NA | 2 | NA | NA | 50kms | NA | NA | |
| English | 5+1 | 1807 | 25 | FR 25 | 21 | 1 | 1 | 0 | 0 | 0 | 0 | Yes | 5 | 31 | NA | NA | NA | 10 | 1trs | NA | 2 | NA | NA | 500 m | 15kms | NA | NA | |
| Sociology | 5 | 452 | 568 | 568 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | Yes | 18 | 7 | NA | 0.5 | NA | NA | 5 | 1trs | NA | 4 | NA | NA | 3 km | 102 | 2 | 104 |
| History | 4+1 | 47+34 | 325 | 325 | 1+1 | 1+0+0 | Printer | nil | nil | nil | | 8 | 7 | NA | NA | NA | NA | 5 | L | NA | 3 | NIL | NIL | 3 L | 80 | NA | NA | |
| Economics | 4+1 | 60+46 | 215 | 215 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | Yes | 8 | 5 | NA | NA | NA | 6 | L | NA | 2 | NA | NA | 4 L | 80 | NA | NA | |
| Geography | 3+1 | 70+0 | 808 | 808 | 1 | 1 | Means | 0 | 0 | 0 | 0 | 2 | 5 | | 10 | 0 | 0 | 0 | 15 | 5 | 6 | | 0 | | | | | |
| Political Sciences | 2 | 620 | 30 | 30 | 1+1 | 1aot | 0 | 0 | 0 | 0 | 0 | 1 | 2 | | 0 | 0 | 0 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 40 | (20x2) | 0 | 0 |
| Psychology | 5 | 143 | 200 | 150 | 1 | 1 | Nil | Nil | Nil | Yes | | 2 | 31 | NA | NA | NA | NA | 6 | Lts | Nil | 2 | 55 | NA | 1 Ltr | 50 | NA | NA | |
| BBA | 5+1 | 211 | 1500 | 1500 | 62 | 9 | Nil | Nil | 1 | Nil | Nil | 2 | 115 | NA | 1 | NA | NA | 10 | 5 | 12 | 164 | NA | 2 | 0 P + 21 | 3 | 40 | | |
| Commerce | 16+2 | 454+159 | 1600 | 1600 | 5 | 2 | 2 | Nil | Nil | Nil | | 1 | 24 | NA | NA | NA | NA | | | | 12 | 3000 | NA | | | | | |
| Administrative office | 235 | 5243 | 2000 | 2000 | 18 | 10 | Nil | Nil | 5 | Nil | | 6 | 20 | NA | NA | NA | NA | 200 | 1tr | 50ltrs | 170 | NA | NA | 20ltrs | 60km | 6 | 50 | |
| Library | 1+8 | 8 | 3100 | 3100 | 20 | 4+2+1 | 3 | 0 | 0 | 0 | 0 | 1 | 115 | NA | NA | NA | NA | 9 | lit | 50Ltrs | 12 | NA | NA | 2 | 87 | 2 | 85 | |
| Physical Education | 2 | | 13356 | 13356 | 3 | 2 | | | | | | 9 | 5 | | | | | 30 | 10 | 10 | 4 | 1700 | | 1 | 30 | 3 | 200 | |
| Canteen | 6 | | 20000 | 2000 | NA | NA | NA | 1 | 0 | NA | NA | NA | 40 | 5Kg | 5Kg | NA | NA | 200 | 100 | NA | NA | 48 | | 1 | 20 | NA | NA | |
| Hostels/guest hous | 3 | 87 | 1449 | 1449 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 32 | 5 | 10 | 0 | 0 | 100 | 400 | 0 | 0 | 0 | | 1 | 20 | 0 | 0 | |
| NSS | 3 | 100 | 80 | 80 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | |