

## Departmental Report to be submitted for Akanksha 2013-14

Name of the Department: Electronic Science

### Departmental Report

- **Activities conducted by the department :**

- 1) **Hands on training on Printed Circuit Board (PCB) Design :**

To bridge the basic gap between the Industry & Academia the department had organized a Two days workshop on “**The designing of Printed Circuit Board (PCB)**” sanctioned under DBT STAR college scheme on 27<sup>th</sup> & 28<sup>th</sup> January 2014 . The workshop was successfully conducted with the participation of twenty four students of B.Sc. (General) & B.Sc. (Computer Science) .

- 2) **Quiz competition:** Quiz competition was organized on 23<sup>rd</sup> January 2014 in an innovative form of snake & ladder game ; based on fundamental knowledge of Electronics. Thirty six students participated in the event. A team of F.Y.B.Sc.(Computer Science) won the 1<sup>st</sup> prize in the competition.

- 3) **Guest Lecture :-**

- a) Guest lecture was arranged for F.Y.B.Sc (Computer Science) students of Mr.Vivek Velankar ,a well known Career Counselor & IT Professional. He delivered a lecture on “ **Career Guidance & Self Employment**” on 30<sup>th</sup> Sept 2013.

- b) Guest lecture was arranged for F.Y.B.Sc (Electronics) students of Ms. M.Ghode (M.Tech. Electronics). She delivered a lecture on “**Global System For Mobile Communication**” on 6<sup>th</sup> January 2014

- 4) **Industrial Visit :** An Industrial visit was organized at “ **Thuse**

**Electronics Pvt. Ltd**”, MIDC ,Bhosari, Pune. Forty Eight (48) Students of S.Y.B.Sc ( Computer Sc. ) along with 4 Teachers and 2

Peons had Visited the Industry. Students got exposure to the manufacturing process of an electronic product & latest Industrial equipment in the field of Electronics.

5) **Project Exhibitions**: 10 groups exhibited projects/models on various ideas like security, automation, environment friendly .

6) **Student Achievement**:

- Harish Kholam from S.Y.B.Sc( CompSc) won First prize in Essay Competition in “ **Electronics in Day to Day Life**” organized by SPEED and Fergusson College, Pune.
- **In the same competition Miss. Trupti Deshpande** from S.Y.B.Sc( CompSc) won Second prize in Essay Competition in “What is **Electronics**” organized by SPEED and Fergusson College, Pune.
- Pranav Kumar and Shashank Nayak received **second Prize in Electronic Project Competition** organized by SPEED and Fergusson College, Pune.
- **Science Association :**
  - A. Our students Kundan Kumar & Gopinath Ghumare won **1<sup>ST</sup> prize for Automatic Car parking** project in interdisciplinary project competition held under science Exhibition ‘ANUBHUTI’ on 24<sup>th</sup> January 2014 organized by Science Association of our college.
  - B. Also “**Classroom timetable display**” project done by Mr. Prasad Pashankar & Ms. Trupti Deshpande was highly appreciated & is economically supported by college to extend its application for whole college.

7) **Personal/Staff Achievement :**

- 1) Mrs. Mrinalini Bhadane and Mrs. Varsha Bapat attended a 2 Days faculty Development Program on “ **Hands on Training for Nuvoton NuMicro Arm Cortex-M0 & its Applications**” at Department of Electronic Science, University of Pune on 15<sup>th</sup> -16<sup>th</sup> January 2014.
  - 2) Mrs. Varsha Bapat was invited at **Academic Staff College , University of Pune**, for the assessment of Projects by candidates under **Orientation Course**.
  - 3) Mrs. Mrinalini Bhadane was invited for delivering a Guest Lecture on “ **Use of MATLAB in Digital Signal Processing**” at Marathwada Mitra Mandal’s College of Commerce , Pune.
  - 4) Mrs. Varsha Bapat was invited for delivering a Guest Lecture on “ **Application in Digital Signal Processing**” at Abasaheb Garaware College and Mamasahab Mohol College , Pune.
  - 5) Mrs. Varsha Bapat’s Research paper on “**Comparative study of energy saving in WSN employing directed connectivity using specific antennas**” has been selected in **International Conference On "Emerging Trends & Research in Engineering & Technology"** which is organize at IBSS College of Engineering, Amravati during 29/3/2014 to 30/3/2014. This paper will be published in online **International Journal of Pure & Applied Research in Engineering & Technology (IJPRET)**, \*having impact factor 0.7 & \*\*ISSN:2319-507X\* in April 2014 issue.
- **Co-curricular Activities** : This year also we successfully conducted one year course titled ‘Embedded Systems & Applications’ sanctioned by UGC under XI<sup>th</sup> plan for career oriented courses. Total 25 students enrolled for this course

H.O.D.

Department of Electronics

Photos:



Guest Lecture: Mr. Vivek Velkankar

Mrs. M. Ghode



Industrial visit to Thuse Electronics Pvt. Ltd.



Hands on Training on PCB Designing under DBT STAR college scheme



Quiz competition :snake & ladder game



Electronics Project Exhibition : Organized by Science Association