Electronics Department Annual Report 2015-16

The electronics subject is taught at general level for B.Sc. (computer science) students. Along with usual lecture method power point presentation, Animations and videos are used for making subject simplified and interesting.

- This year in addition to these ICT methods, **website "ENGINEERS GARAGE "**is used to show students insight of various electronics gadgets and components. It is not always possible to show construction of various gadgets and component due to their high cost and sometimes unavailability. But due to engineers garage it became possible to show it virtually.

- **TED Talk:** The development of the modern world is due to light and light based technology. Year 2015 has been proclaimed as **"International Light Year "by UNESCO**. On this occasion the department organized video show on **TED talk   by Harald Hass** (inventor of technology). on Li-Fi Technology on **02/12/2015** , for students of F Y B Sc(comp.sci).The students were told to collect information on Li Fi technology.

- The students are motivated and provided guidance to participate inter collegiate PPT competition on occasion of one day international workshop on "**ICT EDUCATION IN THE ERA OF GLOBALIZATION ".** In this competition **Shreekant Jagtap M Sc (comp. sci.)** won **third prize**.

- **On occasion of platinum jubilee of the parent institution the department organized following activities:**

1) **Three Days Workshop on "Electronics Hobby Project Construction":** To boost the creative & developmental side of a student, Electronics department organized workshop on **'HOBBY PROJECTS'**   from **12/10 /2015 to 16/10/2015**. Guidance on how to solder (technical instructions and practice), Project construction, Model construction, Report writing and presentation was given. **Thirty four** students from **FY B Sc (computer Science)** class were participated in the workshop. **Eleven projects** viz. clap switch, water level controller, tension indicator, electronic thermometer, metal detector, time control automatic car, laser security system; resistor color code identifier, direction sensor, sound meter and smoke detector were constructed during workshop. The **Competition** was held during workshop, in which **three** outstanding projects (based on concept, construction, use, model and presentation) viz. **1) Time control automatic car 2) laser security system 3) water level controller**, were applauded. The Electronics department of **vocational wing** has provided assistance for the workshop such as Expert Mrs. Radhika Ippakayal, volunteer students and soldering guns.

2) Power Point Presentation Competition: These days, public speaking and business presentations are also often a key part of the recruitment and selection process, particularly in education, consultancy or marketing. It is important for the students to acquire these skills. The department organized presentation competition on **21/12/2015** for the students of SYBSC (COMP.SCI). They prepared presentations on **recent trends in electronics**. The winners of the competition were- 1st prize **"Li-fi technology "**by Aniket Jangam , 2nd prize **"OLED"** By Datta Sawant 3RD prize **"Hamming code for error detection and correction"** by Madhuri Kudale **.**

 3) Three Days Workshop on "Computer Hardware and Networking":   In order to provide skill based education to the students, Electronics department in association with   **Board of student Welfare ,SSPU** organized three days workshop on "computer hardware and networking" with **"UNISOFT COMPUTRADE PVT LTD , PUNE"** as training provider during **25th, 27th and 28th JAN 2016.** The workshop was inaugurated by Mr. Vijay Bhalerao, Director, Unisoft Computrade, Pune. During these three days the knowledge and practice of computer hardware,configuring ,trouble shooting and basic networking like configuring IP and MAK address was provided to the students. At the outset of the workshop Mr. Shashikant Satbhai of Unisoft Computrade, Pune provided **career guidance** .**Sixty students** from **FY/SY/TY B Sc & SY BCA** class participated in the workshop.

4) Inter Collegiate Electronics Project Competition: Inter collegiate electronic project competition as a part of **TECNOTHON 16,** was organized by the department on 4th FEB 2016 in which 24 students from various colleges in SPPU participated and presented 12 projects. Prize winning projects were 1) Voting machine 2) Car parking sensor 3) Line Follower Robot.

Date: 10/03 /2016   Mrs. S. S. Rane