OPEN DAY PBL EXHIBITION 04-11-2018

REPORT

On the occasion of open day, Students of **Telecommunication Engineering** Department of **BMS Institute of Technology and Management** exhibited their ambitious practical knowledge by presenting their projects. Projects related to various disciplines such as Robotics, RF communication, Wireless Sensors, IOT, Nano devices, Health Monitoring and Electronics Applications were exhibited. Many of these projects possess the potential to have a serious impact on the human lifestyle in the future days.

Dr.Cyril Prasanna Raj .P, Dean-R&D of MSEC, Bengaluru and **Mr.Srinivas Gorur, Principal Engineer of Global Foundry,**Bengaluru ,**Dr. Mohan Babu, Honourable Principal of BMSIT&M** and **Dr.C.S.Mala**, **HOD of TCE** inaugurated the exhibition . The Judges complimented the student's projects with prizes.

The objective of the project exhibition was to give platform for the budding engineers to showcase their experimental learning, and demonstrate their responsibility for their own learning, with more focus on creating the awareness of Technology and Engineering.

- The event began by welcoming the esteemed judges who themselves were a great inspiration for the students.
- The students displayed their working models and demonstrated it to all visitors and judges.
- The judges provided valuable guidance to the students.

WELCOMING THE GUESTS

Dr.Cyril Prasanna Raj.P,Dean-R&D,MSCE,Bengaluru interacting with students

Mr.Srinivas Gorur,Principal Engineer,Global Foundry, Bengaluru

A total of **23** Project based learning(PBL) projects of Telecommunication Engineering program showcased their designs with most of them being really impressive.

1. One of the projects that gained wide attention was "**MIMICKING ROBOT**" by **3rd sem** TCE students, **Soujanya, Saravanan, Dharma and Suhas** under the guidance of **Mr.Raghunandan**, Asst.Professor of Dept. Of TCE,BMSIT&M that has been specifically modelled to generate plausible trajectories of joints that mimic the human movement using deformation information. Such a model can be used to develop humanoid robots that move in a human-like way in reaction to diverse changes in their environment and as a priori model for motion tracking. Robotic arms are typically used in Industrial applications.
   This project stood the **FIRST** among the 3rd sem PBL projects.

2. Project titled "**SMART STREET LIGHTS"** by **3rd** sem TCE students **Madhura,Meghana,Lavanya,Navya** under the guidance of **Mr.Siddiq Iqbal**, Asst.Professor of Dept. Of TCE,BMSIT&M designed energy efficient based controller for controlling the LED based street lamp via appropriate lighting levels control.The system was programmed to automatically turn OFF during the hours of daylight and only operate during the night and heavy raining or bad weather.
   This project took the **SECOND** place among the 3rd sem PBL projects.

3. The Project "**LOCATION BASED BIOMETRIC ATTENDANCE using ANDROID"** was exhibited by **Shashank Srinivas Kathavate,Sudhanva Rao P N,Nishan Bopanna,Aditya V Kulkarni** under guidance of **Mrs.Saritha.I.G**, Asst.Professor of Dept. Of TCE,BMSIT&M. Faculties in colleges use conventional biometric scanning to mark their attendance. But the problem arises when there is a huge crowd at the place of scanning. As a result they can't mark their attendance on time. To solve this problem this project involved in creating an application from which they can mark their attendance using their own smartphones.
   This project stood the **FIRST** among the 5th sem PBL projects.

4. Project titled "**UAV BASED ARACANAT FRUIT CUTTER"** by **Janani,Neha,Raghav and Sudha** under the guidance of **Mr.Raghunandan**, Asst.Professor of Dept. Of TCE,BMSIT&M designed arecanut cutting system using Unmanned Aerial Vehicle(UAV) like drone.This system can easily maneuver in the form and can go up to 40 feet height,detect and cut the fruits.
   This project took the **SECOND** place among the 5th sem PBL projects.

The projects were judged based on the students novel idea, real world applicability, Demonstration ability and percentage of completion. The students really made use of the opportunity to display their novel ideas and present them in front of Judges and Visitors.