IETE Annual Report

Academic year May 2018- July 2019

The Institution of Electronics and Telecommunication Engineers (IETE) Students Forum (ISF), of Agnel Institute of Technology & Design organized the following events during the academic year May 2018 to July 2019:

1. **THINK 2018**

   THINK 2018 was the very first one of a kind idea presentation competition held at Agnel Institute of Technology and Design, Assagao on 28th July 2018 under the mentorship of ISF Co-ordinator Prof. Harish Velingkar and Prof Chaitali Karekar along with student IETE members with Goa Entrepreneurs Mentorship Services (GEMS) being the signature sponsor and Naik solution, the co-sponsor. Think 2018 had 14 teams participating from engineering colleges all across Goa. The guest speaker for the event was Mr. Valindo Godinho, CTO of Wafer Electronics, Panjim who briefed the crowd on one of his ingenious products TUNGSTA, a street lighting system that uses mesh network and energy saving management. He also emphasized on the need of saving the environment and how little deeds could contribute to our society and the planet. It was indeed to have a enthusiast like Mr. Valindo who started off young and leads a team of intellectuals to build cost efficient and environtmental-hazard free products. This motivated the participants right at think 2018 to think out of the box. The panel to judge the idea presentations consisted - Mr. Gajanan Nagarsekar, Co-Founder & CEO, Kallows Engineering, Mr. Sunoj Raicar, Asst. Prof and HOD,Electronics Dept,DMC-Assagao and Mr. Yadnesh Sanzgiry, Techinical Specialist, Optel Group. The teams presented path breaking ideas on various topics such as iOT, energy conservation, smart parking, detection of exoplanets, image processing, energy extraction from speed breakers, lifeguard drone, etc. The winners at THINK 2018 were awarded a cash prize of Rs 5000 and the runners up with a cash prize of Rs 3000 with an attempt to motivate the teams to implement their ideas. The event received a positive feedback to conduct many more events like THINK in the future which would encourage young minds to bring forth their ideas to reality.

2. **One day workshop on 'Practical Approach to computer networks:**

A two day workshop was conducted for the students of the Electronics and Communication engineering department by Department of Electronics & Communications Engineering in association with The Institution of Electronics and Tele-Communication Engineers (IETE) members on 'Practical approach to computer networks' at Agnel Institute of Technology and Design,Assagao on 28th Feb & 1st March 2019. Ms.Darshata Naik ,Asst Prof at AITD was the resource person for the two day workshop.

Various topics such as basic topologies involved in networking, basics of routers, switches, end-devices, connection of serial ports and fast Ethernet ports, VLANS, configuring switches etc. was covered. Students also got hands-on experience on all these concepts using network simulators. AITD Assagao has been conducting numerous such activities with an aim to expose the students to various concepts beyond curriculum as a step towards making them more employable in the industry.

3. **Two day workshop on Graphical solutions using National Instruments LabVIEW**

AITD conducted a 2 day workshop on Graphical solutions using National Instruments LabVIEW on the 22nd and 23rd of February 2019

The workshop was presented by Mr.Nagarajan an expert in graphical programming and co-ordinated by Prof.Harish Velingkar and Prof.Chaitali Haldankar.

After a brief introduction by Prof.J.William the HOD of the Electronics and Communication Engineering Department , The agenda for the workshop was put into motion.

Mr.Nagarajan introduced the students to the basic concepts of graphical programming and programming using NI LabVIEW. Basic programming examples to understand the data structures and programming flow were covered first, later Followed by advanced examples for specific applications such Manipulation of input voice data, Design of a Login application ,Text to speech application ,Application to make objects track mouse pointer.

The workshop was attended by the students of TE ECE with approximately 50 students present over the 2 days.