

ELECSTA 'Activities 2018 - 19

Visit to Research Institutes of Excellence

An industrial visit was organised to Pune for the BTech students of Electronics and Communication Department from 5th April, 2019 to 8th April, 2019. The visit group included 9 students and 4 faculty members. The following Research & academic Institutions were visited by the team:

1. Visit to High Performance Computing Facility, PRATYUSH, India's Fastest and first Multi-Petaflops Supercomputer for weather forecasting and modelling at Indian Institute of Tropical Meteorology, Pune.
2. The Council of Scientific and Industrial Research (CSIR)-National Chemical Laboratory, Pune.
3. Robotics Lab, Department of Robotics & Automation, MIT World Peace University, Pune.
4. Dual Polarimetric X-Band RADAR at Mandhradevi, Pune.
5. Dual Polarimetric Ka-Band RADAR at Mandhradevi, Pune.
6. High Altitude Cloud Physics Laboratory, Mahabaleshwar, Pune.

Department of ECE extends our gratitude to Dr. Abhilash S (Assistant Professor & Associate Director (ACARR), CUSAT) for helping us to coordinate official industry communications for arrangement of the visit.







ECLECTIC 2K19

ELECSTA, the technical association of the Department of Electronics and Communication Engineering, hosted the **intercollegiate technical symposium, Eclectic 2K19, on March 22 and 23, 2019**. The event had a grand launch on March 19, 2019. MsJuhiRustagi was the guest for the launch.

The symposium was formally inaugurated by our Principal Dr Preethi Thekkath on March 22, 2019 in the presence of HODs, faculty and students of various departments.





The events that were held as a part of this symposium are as follows:

1. CIRCUITRIX – Circuit Debugging Competition
2. ESPLORADO – ZHI – Technical Paper Presentation
3. MEGAMIND – Idea Presentation
4. LA ENCUESTA – Quiz
5. ENIGMA – Treasure Hunt
6. SELL IF IT YOU CAN –Marketing
7. FINGERPRINT AUTHENTICATION – Workshop
8. DIGITAL MARKETING AND WEB DEVELOPMENT – Workshop
9. COUNTY CRICKET

Talk on “HOW TO EXCEED INDUSTRY EXPECTATIONS”

ISF’s forum, TIST organized a Talk on “How to exceed Industry expectations” by on 29.11.2018 for the S1, S3, S5 and S7 students. The chief guest for the session was Mr. Kurien Thomas (Director Xtend Technologies Pvt. Limited and Director Toc H public school society). **It was an interactive session and He urged the students on the need to equip themselves to become real professionals. He insisted the *Students* to engage in real-world learning by participating in classes and programs that simulate *industry expectations*.**



The department of Electronics and Communication Engineering has organized association inauguration function, ELECSTA – (Electronics and Communication Students Technical Association) on 24th November 2018 for the academic year 2018 – 19. The inaugural ceremony was presided by **Dr. Alex Mathew (President, Toc H Public School Society)**. **Dr. Deepa Elizabeth George, HOD ECE** department, detailed on the department curricular and co-curricular activities over the academic year 2017-18. **Er. C.S. Varghese (Secretary, Toc H Public School Society)** and **Dr. Preethi Thekketh, Principal** felicitated the gathering. The office Bearers for the year 2018-19 were introduced. The event was graced by the presence of **Mr. M.X. Paul Vincent (Treasurer, Toc H Public School Society)** and **Mr. K.A. Simon (Director, Toc H Public School Society)**. Following the inauguration, the Department newsletter ESCAN was released. Also, the Launch of **SPAN – Skill Planning and Acquisition Cell** that will identify and plan skill development programs according to current industrial requirements was conducted.

Visit of Dr Suresh Subramaniam, George Washington University, USA

Dr Suresh Subramaniam, Professor and Chair, Department of Electrical and Computer Engineering, School of Engineering and Applied Science, George Washington University, Washington D.C., USA, visited TIST on 26th July, 2018. The visit was organized by the Department of ECE, TIST and the IEEE branch of TIST.



Dr Suresh Subramaniam is an IEEE Fellow and is currently on a lecture tour as an IEEE Distinguished Lecturer visiting premier institutions all over India, China and Singapore. It was an honor that such an eminent person visited our campus. He interacted with faculty and students clearly answering their queries on technical matters and also the requirements and procedures for higher studies in the U.S. He encouraged students to excel in their academics and also stressed the importance of undertaking projects, publishing papers and participating in technical events. He also gave inputs on the ways to maximize the benefits of IEEE membership.

Dr Suresh Subramaniam's group is involved in developing novel network architectures and algorithms and conducting performance analyses of networks. His particular interests include fiber-optic and free-space-optic networks, data center networks, and cloud computing and networking. His distinctions include several research publications in reputed journals, Editor of several books, Associate Editor, IEEE/ACM Transactions on Networking, Chair, IEEE ComSoc Optical Networking Technical Committee and many more.

Dr Suresh Subramaniam was very appreciative of the infrastructure, laboratory facilities and the scenic beauty of the TIST campus.





IEEE International Conference on Emerging Trends and Innovation in Engineering and Technological Research (ICETIETR 2018)

Department of Electronics and Communication Engineering organized an IEEE International Conference on Emerging Trends and Innovation in Engineering and Technological Research (ICETIETR 2018) which was held from 11th to 13th July at TOC H Institute of Science and Technology, Arakkunnam, Eranakulam. The conference was technically co-sponsored by the Institute of Electrical and Electronics Engineers (IEEE). There were delegates from 55 institutions in attendance, including top ranked institutions such as King Saud University, Saudi Arabia and VIT University, Vellore.

ICETIER 2K18 had a very high level and extensive scientific program consisting of:

- Three invited talks by Dr. David Hong Jer Lang(Chief Research Officer, Evault Technologies Sdn. Bhd., Malaysia)on “Networking” , Dr. R.Balaji(Scientist, Centre for Fuel cell Technology, ARCI, Chennai)on “Fuel Cell Technology” and Dr. R.Rajesh Kannan (Scientist, Center for Nano Science and Nanotechnology, Kalpakkam) on “Nanotechnology in Molecular Science”
- A total of 12 panel sessions conducted simultaneously at 3 venues (Ramanujan Hall, Chanakya Hall and Tagore Hall).

The International conference was inaugurated by honorable Vice Chancellor of CUSAT, Dr. J Letha on 11th July, 2018.



Lamp Lighting by Dr. J.Letha

The inaugural ceremony was presided by Dr. Alex Mathew (President, Toc H Public School Society). Dr. Deepa Elizabeth George (Conference General Chair & Head of ECE Department) addressed the gathering with a warm welcome. Dr. Hong Jer Lang (Chief Research Officer, Evault Technologies Sdn.Bhd. Malaysia) , Dr. Mini Ulanat (Chair, WIE AG of IEEE Kerala Section), Dr. R.Rajesh Kannan (Scientist, Center for Nano Science and Nanotechnology, Kalpakkam), Dr. R.Balaji (Scientist, Center for Fuel Cell Technology, ARCI, Chennai), and Mr. Shahim Baker (Secretary, IEEE Kerala Section) were the guests of honor. The inaugural ceremony concluded at 12.00 PM and was followed by an invited talk on “Networking” by Dr. David Hong Jer Lang



Invited talk by Dr. Hong Jer Lang

The conference had a number of social activities including Opening Ceremony, Welcome Reception, Coffee Breaks and Lunches. A resplendent cultural program presented South Indian traditions and culture to attendees



Cultural session