Message from Department Chair

Hello everyone!

I wish the readers a happy new year. May the new year bring peace, prosperity and progress to all.

It is one year since the first issue of Bits & Bytes was released. “Time is free, but it is priceless. You cannot own it, but you can use it. You cannot keep it, but you can spend it. Once you have lost it you can never get it back” said Harvey MacKay. We, the faculty members and students of the Electronics and Communication Engineering Department, can say confidently that we have used and spent the last one year’s time well. Our achievements presented in this as well as the previous issue of Bits and Bytes would vouch for this. I am sure that the team will keep up this good work in the coming years as well.

- Dr. M Sathish Kumar

Department Activities

Workshops

- **Machine Learning FDP**: The department organized a 4 day FDP on “Machine Learning with Python” during November 12th to 15th, 2019. Dr. Sudarsan N.S. Acharya, who is a graduate of Stanford University and an assistant professor at MISOIS was conducting the FDP. The aim of the FDP was to provide a platform for understanding machine learning with hands on training in python coding. It also helped to gain an understanding of the mathematical aspects of the classifiers like clustering techniques, SVM, SOFTMAX, Neural networks and Deep neural networks (CNN).

- **Demo and training on XILINX Interface kits**: A demonstration was organized by COREL Technologies for the department to help the professors understand how to use the Xilinx interface kits. This event was conducted on the 11th of November, 2019.

Academic Collaborations

- Agreement for academic cooperation with Academia Higher Education Colleges, Slovenia.

- Association with Curtin University, Perth.

- Academic interaction with the Trustees of The Steven Institute of Technology.

- Academic agreement with Universitat Politecnica De Catalunya, Spain.

- Tie up with National Technical and Research Organization (NTRO), New Delhi.
PHD AWARDEE

- Dr. Aparna U was awarded Ph.D in “Optimization of Photonic crystal and surface Plasmon Polariton based nanophotonic devices” from MAHE, Manipal.
- Dr. Ananthakrishna T was awarded Ph.D in “Automatic Speech-to-Text Transcription for Kannada Language” from MAHE, Manipal.
- Dr. Shailendra Kumar Tiwari was awarded Ph.D in “Design & Optimization of capacitive Micromachined Ultrasonic Transducers (CMUTs) for Bio-Medical application” from MAHE, Manipal.
- Dr. Rajiv Mohan David was awarded Ph.D in “Broad Band Multirate Signal Processing for Spread Spectrum in Fading channels” from MAHE, Manipal.

RESEARCH COLLABORATIONS

- Dr. G. Subramaya Nayak has a collaboration with Biophysics department of MSOLS (Manipal School of Life Sciences) of MAHE.
- Dr. Anitha H has a collaboration with the Orthopedic Department KMC, MAHE.
- Dr. Sampath Kumar A.K has a collaboration with the Neurosurgery and Orthopedic Department, KMC, MAHE.

INTERNATIONAL CONFERENCES

- Dr. M. Sathish Kumar, Dr. G. Subramaya Nayak, Dr. Kanthi M, Dr. D V Kamath, Dr. Tanweer Ali and Dr. Ujjwal Verma from the department have chaired technical sessions at various international conferences.

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Student Achievements

- Sukrita Panigrahi secured first place at DSI Karnataka State Championship, BITS Hyderabad Squash Tournament, Invictus '19 Squash Championship, and second place at the All-India inter-university squash tournament 2019.

CLUB ACTIVITIES

IE E&C
1) Cleanliness Drive
2) Management Committee recruitments
3) Working Committee recruitments
4) Python Workshop
5) Board Transfer
6) Placement Talk

ISTE
1) Working Committee recruitments
2) Board Transfer
3) Tech talk
4) Winter school
5) Version Control workshop