It was a long cherished dream of the ECE department to have a newsletter of its own. This newsletter will bring to you the important ‘Bits & Bytes' from the department which includes achievements by faculty members as well as students. I congratulate Prof. G. Subramanya Nayak, Mr. AnanthaKrishna T, and Mr. Shridul Sethi & his entire team for their initiative and bringing out this newsletter.

**MESSAGE FROM DEPARTMENT CHAIR**

**EEG SIGNAL PROCESSING WORKSHOP**
One day workshop on “EEG Signal Processing” was conducted on March 3rd, 2018. This workshop covered the processing and analysis of biomedical signals to ascertain the pathophysiological condition of human beings, with a focus on EEG signals and brain behaviour.

**DESIGN AND SIMULATION OF NETWORK PROTOCOLS USING QUALNET AND IOT APPLICATIONS**
The main goal of this workshop was to bring together networking researchers from both academia and industry, to discuss recent advances, to identify future directions in network simulation, and to foster interdisciplinary collaborative research in this area.

**BUILDING SMALL OFFICE NETWORKS WORKSHOP**
A workshop on how to build small office networks incorporating basic features like switching, routing, IP address provisioning, Domain name services etc.

**GUEST LECTURES**
- Prof. Guru Subramanyam from University of Dayton spoke on the pros of “3+2 program” and semester abroad program and the value it adds to student learning.
- Dr. P V Ananda Mohan, IEEE fellow, Technology Advisor spoke on the topic “Recent trends in analogue, Digital and Mixed Signal Design” on 11th August 2018

**FARE THEE WELL**
Dr. Prabhakara Nayak, Professor, retired on 31st Oct 2018. He served the department and the institution for more than 35 years. He was Head of the department during 2011-14. He has published many papers in indexed journals and conferences.
FACULTY ACHIEVEMENTS

PHD Awardee
Dr. Ravilla Dilli, was awarded a Ph.D in “Enhancing the Security Features of Physical Distance Based Adaptive Hybrid Routing and Power Saving Techniques for MANET’s” on October 2018 at Jawaharlal Nehru Technological University Hyderabad.

FACULTY PUBLICATIONS
- Dr. M Sathish Kumar authored a book ‘Digital Communication’ which was published by PHI Learning.
- Dr. Sampath Kumar, Dr. Sumana M, and Dr. Hareesh K S have co-authored a chapter on cryptography and data mining in the book “Security and Privacy Management Techniques and Protocols”.
- Dr. Anitha H has received fund for a project titled “Design and development of an image guided intervention system for pedicle screw insertion during spine surgery” from Dept. of Science & Technology, Govt. of India in August 2018.

FACULTY AWARDS
- The faculty members have published around forty research papers in various Scopus indexed journals and also presented papers in various international conferences.
- Dr. D.V. Kamath worked as a member of the organizing committee for the 4th International Conference on Recent Challenges in Engineering & Technology (ICRCET-18).
- Dr. Vinod Kumar Joshi, has served as a scientific expert in the evaluation process of generic projects submitted to French National Research Agency (ANR), France in 2018.
- Dr. G. Subramanya Nayak has carried out a collaborative project in association with department of Biophysics, School of Life Sciences, Manipal and department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru during August 2018.
- Mr. C. Shivananad Reddy had been to Toshiba Software Pvt. Ltd, Bangalore as part of Toshiba-MIT Connect Program for a period of 3 months, where he worked for SSD Division and was assigned to implement loss less compression to do SSD System data commit with compressed snapshot.

STUDENT ACHIEVEMENTS

Ikshwaak G, N Avinash, Venkat Raja P, Hitesh B K and Manmadha K from ECE department, members of MIT Men’s hockey team, bagged the Gold at MAHE Inter Collegiate Hockey Tournament held from 25-26th February, 2019.

Manya Singh, a 2nd year ECE student, secured 3rd position in the western vocal (Solo) event of Utsav 2019.

Jason Peter Andrews, was awarded the 1st Position Winner at the “National Level Machine Learning and Artificial Intelligence Championship” at Tech Vriddhi 2019 in association with the Entrepreneurship Cell, IIT Kharagpur and organized by Technospecies Global Solution.

Eeshan Upadhyay, a 3rd year ECE student was the delegate from MAHE for INVENT-2018 in Indonesia. INVENT 2018 was an International Conference aimed at solving Urban and Rural public administration/health issues through the use of Social Entrepreneurship.

N Avinash - Member of MIT Hand-ball team won gold at MAHE Inter Collegiate Handball Competition.

DEPARTMENT CLUB ACTIVITIES

IE E&C
Faculty Advisor
Dr. G Subramanya Nayak
EVENTS CONDUCTED:

ISTE (Indian Society For Technical Education)
Faculty Advisor
Dr. Ujjwal Verma
EVENTS CONDUCTED: