



BITS AND BYTES

A half-yearly newsletter of the Department of Electronics and Communication Engineering
Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal

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MESSAGE FROM DEPARTMENT CHAIR



Hello everyone! We are happy to place before you the second issue of 'Bits & Bytes'. There have been a lot of outstanding achievements by our faculty members as well as our students since the previous issue of 'Bits & Bytes' which was released in March, 2019. We proudly present these achievements before you in this issue of our newsletter. With the academic year just begun, I also take this opportunity to welcome the second year students to the department of ECE. We are sure that your three years of association with this department will give you the required skills to confidently take on the profession of an Electronics and Communication Engineer.

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DEPARTMENT ACTIVITIES

BITS AND BYTES



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NEW FACULTY MEMBERS

Goutham Simha G.D. joined the department as Assistant Professor in June 2019 received his Ph.D. degree from NITK, Surathkal. Dr. Goutham Simha G D is a reviewer for IEEE Access, Elsevier and Wiley Journals.

Anu Shaju Areeckal joined the department as Assistant Professor in June 2019 has received a Ph.D. degree at the Department of ECE, NITK, Suratkal.

NBA ACCREDITATION

B.Tech program has received NBA accreditation till June 2022. The team visited the department during April 2019.

GUEST LECTURES

★ Dr. Ravilla Dilli delivered a talk on "Radio Resource & Mobility Management" at a workshop on "Aspect of LTE 4G" under TEQIP 1.3, Sahyadri College of Engineering & Management, Mangalore.

★ Prof. Jatindra Kumar Rath from IIT Madras gave a talk on "Why Silicon based solar cells still dominate the PV market".

★ Dr. Tanweer Ali delivered a talk at 5th Industry Institute Conclave on "Electronics, Computational and Communication Technologies" at PESITM, Shivamogga.

★ Vijendra V, an Application Engineer from CorEL Technologies, Bangalore gave a talk on "Vivado software, basic and interfacing FPGA boards", during July 2019.

MINI PROJECT DEMONSTRATION



6th Semester students have enthusiastically demonstrated their mini projects on 5th April 2019.

FARE THEE WELL



Mr. Vittala Shettigar

Senior clerk, retired after serving the institution for 40 years.

FACULTY ACHIEVEMENTS

PHD AWARDEE

- ★ Dr. Ramya S was awarded a PHD degree from MAHE, Manipal, during February 2019.
- ★ Dr. Tanweer Ali was awarded a PHD degree from Reva University, Bengaluru, during March 2019.

FACULTY PUBLICATIONS

Dr. M Sathish Kumar authored a book 'Digital Communication' which was published by PHIL-earning.

AWARDS

- ★ Kumudha Health Tech Pvt Ltd, a startup founded by Dr. Sampath Kumar and Dr. Hareesha KS (Professor, Dept. of CA, MIT) has been selected as one of the winners of Elevate 2019.
- ★ Dr. Anu Shaju Areeckal has been awarded with Gandhian Young Technological Innovation Award



2019 for her work titled "Early diagnosis of Osteoporosis using Metacarpal Radiogrammetry and texture analysis". She received this award from the Vice President of India.

RESEARCH GRANTS

- ★ Dr. Mandeep Singh & Dr. M. Sathish Kumar were granted funds in 2019 from the Intramural Funding- MAHE, Manipal for the Investigation of Photonic Generation of Microwave arbitrary waveform for sensing application.
- ★ Dr. Ujjwal Verma(PI) and Dr. Radhika M Pai, ICT, MIT were granted funds in 2019 by Seed Money, MAHE for the study of fish behaviour by analysing underwater videos.

STUDENT ACHIEVEMENTS

- ★ Dasrath Selvakumar, Omkar Jadhav and Yagya Malik were the members of Project MANAS which won the Intelligent Ground Vehicle Competition held on the campus of Oakland University in Rochester, Michigan.



- ★ Kaustubh Shankar was selected for an IoT summer training program held at IIT Kanpur. He completed a project titled "SmartWatch" and was awarded for the best project and excellent performance during the course of the program.

- ★ Tanmay Shukla, Gaurav KH, Ajay Rangan and Abhijit Alok were members of Mars Rover Manipal which placed 8th overall and won the science task in the University Rover Challenge held at the Mars Desert Research Station in Utah.



- ★ Anurag Panadikar was part of the team that won the MIT Football League in 2019.
- ★ Siddhartha Dange won the MAHE Innovation Festival 2018 for "Classogram".
- ★ Siddharth Goel secured 1st place in Provenance 2019.
- ★ Sitanshu Sah secured the 29th rank in the Indian Sudoku Championship 2019.

DEPARTMENT CLUB ACTIVITIES

IE-E&C

Faculty Advisor

Dr. G Subramanya Nayak

EVENTS:

1. PRAXIS 3.0 – An IE-E&C Tech Week Event January 30 - February 2, 2019.
2. Swachh Bharat Abhiyan March 30, 2019.
3. Management Committee Recruitments on August 7-10, 2019.
4. Python Workshop August 21-23, 2019.

ISTE (Indian Society For Technical Education)

Faculty Advisor

Dr. Ujjwal Verma

EVENTS:

1. TECHNOVATE – An ISTE Tech Week Event Conducted from 31st January to 3rd February 2019.
2. Amazon Alexa skill-developing workshop-30-31 March.
3. ISTE Summer School program: A 4-week program .
4. Started a new blog "The Technical Prophet".
5. Image processing workshop using OpenCV conducted on 10th and 11th of August 2019.
6. Management Committee Recruitments on 21st, 22nd, 23rd of August 2019.