



NEWS SPARK

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A Half- yearly E-newsletter of the Department of Electrical and Electronics Engineering

MESSAGE FROM EDITOR

Namaste Everyone!

I, on behalf of Dept. of E & E wish you and your family a happy, healthy and prosperous new year.

We have been through the COVID-19 pandemic for almost a year now. It was a challenge for students as well as faculties to transition from classroom to online mode. But in a short span of time we have adapted to the change. This gives me immense joy.

At last, I wish everyone a fulfilling Year 2021!

- Dr. Chandrika B. K

Editor

Dr. Chandrika B. K

Editorial Team

- Ms. Sowmya R
- Mr. Satyakam
- Mr. Vipin V
- Mr. Anandh N
- Mr. Rohith Kumar

DEPARTMENT ACTIVITIES

WEBINARS ORGANIZED

The department hosted a webinar on "**Altair Embed - Motor Control, Electric Drive Design, Hardware in loop testing**" on 20th August 2020. The resource person was Mr. Tathagata Mitra, Senior Engineer, Embedded Systems Solutions, Bengaluru, India.

The department, in association with Indian Society of Higher Education, organized a webinar on DST funded project titled "Test workbench and Proof of Concept Prototype for Building Energy Efficiency Solutions" on 15th September 2020. Dr Ciji Pearl Kurian, Professor, EEE department (Principal Investigator) and Dr Susan G Varghese, Assistant Professor- Selection Grade, EEE department (Co-Investigator) were the speakers. This programme was coordinated by Dr Sudheer Kumar T.S, Professor (Co-Investigator) EEE department and Mr Vedavyasa Kamath, Assistant Professor, EEE department.

RENOVATED LABORATORIES

Analog System Design (ASD) and Digital system Design (DSD) laboratories were shifted to renovated laboratory rooms. Also, MTech classroom is renovated into a technology enhanced classroom to provide a better learning experience to students.



ASD Lab



DSD Lab



Power Electronics Lab



M.Tech. Classroom

DEPARTMENT ACTIVITIES

A farewell party was arranged for the retired faculty Mr. Mohan Kumar S and the retired staff Mr. Shantaram Samanth on 28th December 2020. The program was presided by Dr. Srikanth Rao (Ex-Director, MIT Manipal), Dr. B. H. V. Pai (Ex-Joint Director, MIT Manipal), and Dr. Chandrashekara S. Adiga (HOD, EEE department).



Seated: Mrs. and Mr. Mohan Kumar S



Seated: Mrs. and Mr. Shantaram Samanth

FACULTY ACHIEVEMENTS

PH.D. AWARDEES



Dr Susan G Varghese

Department of EEE has been awarded a doctoral degree by Manipal Academy of Higher Education, for the thesis titled “Image based wireless networked lighting control for daylight- artificial light integrated scheme”. The research work was carried out under the guidance of Dr Ciji Pearl Kurian.



Dr R. Srividya

Department of EEE has been awarded a doctoral degree by Manipal Academy of Higher Education, for the thesis titled “An Embedded System for the control of Optimized Tuneable Illumination spectra of LED Luminaire for Light booth applications”. The research work was carried out under the guidance of Dr Ciji Pearl Kurian.



Dr Anjan N Padmasali

Department of EEE has been awarded a doctoral degree by Manipal Academy of Higher Education, for the thesis titled “Development of Novel Reliability Test Method for Evaluating Life time Behaviour of Solid-State Lighting Systems”. The research work was carried out under the guidance of Dr Savitha G Kini

PhD REGISTRATION

Ms Shruthi Ramachandra, Mr. Siddhartha, Mr. Vineeth Patil, Mr. Pramod Antony D'Sa have registered for PhD under QIP Scheme at Indian Institute of Technology – Mumbai, Delhi, Mumbai. We the department of EEE wish them the best.

FACULTY PUBLICATIONS

The faculty members have published 13 research papers in various SCOPUS and Web of Science indexed journals and presented 7 research papers in various international conferences from July 2020 to December 2020.

BOOK CHAPTERS

The faculty members have published 4 book chapters with reputed publishers. from July 2020 to December 2020.

RESOURCE PERSON

- ✚ Dr. Muralidhar Killi was the resource person for an online AICTE ATAL FDP on “Energy Storage & its Application” organized by Department of Electrical and Electronics Engineering, JNNCE, Shimoga on 6th October 2020. The title of the talk was “Energy storage Devices and its Application to Photovoltaic and Electric Vehicle”.
- ✚ Dr. Muralidhar Killi was the resource person for an online AICTE ATAL FDP on “Electric Vehicles” organized by Department of Electrical and Electronics Engineering, JNNCE, Shimoga on 4th November 2020. The title of the talk was “Energy storage devices and its Application to Electric vehicles”.
- ✚ Dr. Jayalakshmi N. S. delivered an expert lecture on “Power Quality Issues & Mitigation in V2G Systems” as a resource person on 12th December 2020 for AICTE Sponsored Six days Online Short-Term Training Program on “Advances In Electric Vehicles”- Phase-2 organized by Department of Electrical and Electronics Engineering, RV College of Engineering, Bengaluru.
- ✚ Dr. Ciji Pearl Kurian was the resource person for an online webinar on “Test Workbench and Proof of Concept Prototype for Building Energy Efficiency Solutions” organized by ISLE Karnataka Chapter on 15th September 2020.
- ✚ Dr. Ciji Pearl Kurian was the resource person for an online AICTE ATAL FDP on “Recent Developments in Artificial Intelligence for Smart and Sustainable Energy System” organized by Dept. of Chemical Engg., M.I.T. Manipal on 8th December 2020. The title of the talk was “AI for energy efficiency and comfort”.

STUDENT ACHIEVEMENTS



7 UG Students participated in the event “MIT COVID-19 CHALLENGE: INDIA TURNING THE TIDE” and were declared winners of Track –H. The work titled “Providing mental health support resources” was presented. Among the seven students 4 students were from the department – Mr.Dhruva P Bhat, Ms.Meghana Rao, Mr.Pratyaksh Gupta, Mr.Vishesh Ghorawat.

STUDENT PUBLICATIONS

- ✚ The students have published 3 research papers in various SCOPUS and Web of Science indexed journals and presented 4 research papers in various international conferences from January to June 2020.

PH.D. AWARDEES



Dr Pramod Bhat Nempu

Research Scholar has been awarded a doctoral degree by Manipal Academy of Higher Education, for the thesis titled “Operation and Control of Microgrid with PV-Wind-Fuel Cell Based Distributed Generations System”. The research work was carried out under the guidance of Dr. Jayalakshmi N S.

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