



MANIPAL INSTITUTE OF TECHNOLOGY MANIPAL

A constituent unit of MAHE, Manipal

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

NEWS SPARK

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A Half-Yearly E-Newsletter of the Department of Electrical and Electronics Engineering

MESSAGE FROM EDITOR

Warm Greetings!

A very happy new year to everyone. I hope this year brings back our regular academics, co-curricular, and extra-curricular activities in offline mode.

I am glad to present the new issue of "NEWS SPARK" detailing the important events related to the EEE department. I wish the best for everyone.

Happy reading!

- **Dr. Chandrika B. K**

Chairperson

Dr. C. S. Adiga

Editor

Dr. Chandrika B. K

Editorial Team

- Ms. Sowmya R
- Mr. Satyakam
- Mr. Rohith Kumar

DEPARTMENT ACTIVITIES

INDUCTION PROGRAM

The induction program for the III semester undergraduate Electrical and Electronics Engineering students was organized on 20th September 2021 to create a welcoming environment and confidence, provide information on academic regulations and standards. The program was conducted online mode through the Microsoft Teams platform. Dr. B H V Pai, Professor, Dept. of Civil Engineering, MIT, Manipal was the chief guest of the function. The event was managed by the student chapter of IE(I) MIT. The event was coordinated by Dr. Shailesh K R, Class committee chairman for the 2020-24 BTech batch.

PG ORIENTATION PROGRAM

On 5th October 2021, the orientation program for the newly admitted M.Tech students was held. They were informed about the department vision and mission, the course structure, and the academic regulations. The online event was coordinated by Dr. Vijayalaxmi, the class committee chairman for the 2021-23 M.Tech batch.

MATLAB WEBINAR SERIES

The department had conducted MATLAB Webinar Series in association with MathWorks, India from 2nd to 28th July 2021. The series had 8 technical sessions. A total of 133 UG and PG students, and faculties have registered.

The sessions were on the application of MATLAB in the areas of Signal Processing, Control Systems, Power Systems, Electrical Machines, Symbolic Computations & APP Designer, and Project-based learning with ThingSpeak & IoT. The sessions were designed to give hands-on training to the participants. 47 participants completed the certification.

The webinar series was coordinated by Dr. Ciji Pearl Kurian & Team, Department of E&E and Dr. Spandana G, Dr. Deb Singdeo from MathWorks, India

INAUGURATION OF RENOVATED LABORATORIES

The renovated laboratories (Power Electronics Lab, Analog System Design Lab, Digital System Design Lab) and Renovated M.Tech Classroom are inaugurated by Dr. (Cdr). Anil Rana (Director, MIT), Dr. Somashekhara Bhat (Joint Director, MIT), Dr. D. Srikanth Rao (Professor, Mechanical Engineering), and Dr. B.H.V Pai (Professor, Civil Engineering) on 7th October 2021.



FELICITATION PROGRAM FOR RETIRED STAFF

A farewell function was arranged for retired staff Mr. Sathish Samanth on 6th November 2021. The program was presided by Dr. (Cdr). Anil Rana (Director, MIT), Dr. Somashekara Bhat (Joint Director -MIT), and Dr. Chandrashekara S. Adiga (HOD, EEE department).



GUEST TALK

Mr. Akshay Kinhal, Senior Engineer and Energy Analyst, Robert Bosch Engineering and Business Solutions, Bengaluru delivered an online talk on "Instrumentation in Energy and Condition Monitoring" on 29th October 2021 via MS Teams. This event was coordinated by Dr. Anjan N Padmasali, Department of EEE.

NEW M.Tech COURSES

The academic council has approved the new M.Tech program in Electric Vehicle Technology. The program is set to start from the academic year 2022. Dr. Jayalakshmi. N.S is the coordinator of the program.

Two programs, one each for M.Tech and B.Tech have been proposed to the academic council by the department. The programs are tentatively titled "Energy Analytics" and "Smart & Sustainable Energy" for PG and UG respectively.

CAREER GUIDANCE FOR UG STUDENTS

On 13th November 2021, Shiksha Niti and Abhinav Ranjan, both alumni of the dept, along with their 5-year-old daughter, Anika Sree visited M.I.T. and addressed the students of the department via MS Teams. Since it was Shiksha's birthday, HoD arranged for a cake-cutting ceremony in the dept office.



Shiksha Niti and Abhinav Ranjan, and their daughter Anika Sree

FACULTY ACHIEVEMENTS

On October 8th, 2021 Ms. Prathvi Nayak, Assistant Professor in the Department won the 1st position in the Kanaka Keerthana Gangothi singing competition organized by Kanakadasa Research center, Mangalore University. She has won this award in the teachers' category for the 3rd time.

FACULTY PUBLICATIONS

The faculty members of the department have published 14 research papers in various SCOPUS and Web of Science indexed journals and presented 10 research papers at various international conferences from July to December 2021.

BOOK CHAPTERS

The faculty members have published 5 book chapters with reputed publishers from July to December 2021

NEWLY JOINED FACULTIES

✦ **Dr. Arjun M**, Ph.D. from N.I.T. Karnataka, joined the department as Assistant Professor on 6th November 2021. His research interests are in the area of Power Electronics, Solar Photovoltaics.



✦ **Dr. Jawaharlal Bhukya**, Ph.D. from S.V.N.I.T. Surat joined as Assistant Professor on 10th December 2021. He has a research interest in the area of stability analysis with integration of wind farm.



STUDENT ACHIEVEMENTS

Research Fellowship:

Research scholar, **Mr. Anubhav Kumar Pandey**, has received the "Innovation in Science Pursuit for Inspired Research (INSPIRE)" fellowship for pursuing his research work under the guidance of Dr. Vinay Kumar Jadoun and Dr. Jayalakshmi N S.



Selection to NDA:

Mr. Akshat Purushottam Ghosh, B.Tech in Electrical and Electronics Engineering has been selected by National Defence Academy (NDA). His rank is 81 out of 517. The department wishes him all the best.



STUDENT PUBLICATIONS

- ✚ Mr. Abhilash Mohan P, M.Tech in power electronics and drives presented a paper titled “Electricity from Air: An efficient way of Wireless Power Tapping”, at the International Conference on “SPIN 2021” in August 2021.
- ✚ Mr. Priyam Basu, B.Tech in Electrical and Electronics engineering presented a paper titled “CyberPolice: Classification of Cyber Sexual Harassment”, at the International Conference EPIA on “Artificial Intelligence” in September 2021.
- ✚ Mr Priyam Basu, BTech in electrical and electronics engineering presented a paper titled “But how robust is ROBERT actually? A Benchmark of SOTA Transformer Networks for Sexual Harassment Detection on Twitter”, at Fifth International

Conference on I-SMAC” held during 11th to 13th November 2021.

- ✚ Mr. Vishnu S, M.Tech in Power Electronics and Drives Department presented a paper titled “Correlative Analysis of Dynamic Behaviour of Lithium-Tron Cell using MATLAB and Typhoon HIL” at the Fifth International Conference on “Distributed Computing, VLSI, Electrical Circuits and Robotics” held during 19th to 20th November 2021
- ✚ Ms. Sanjana Satish Solanke, M.Tech in Power Electronics and Drives presented a paper titled “A Recapitulation of Electric Spring for Demand Side Management & Power quality Mitigation” at the Third International Conference on “Future of Engineering Systems and Technologies” held from 18th to 19th December 2021



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