



MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)

National Student Energy Summit (NSES 2024)

(Hybrid mode)

14 – 15 May 2024

Organized by

**Department of Electrical and Electronics Engineering
Manipal Institute of Technology, MAHE Manipal**

Supported by



IEEE Mangalore Subsection

MANIPAL ACADEMY OF HIGHER EDUCATION (MAHE)

Manipal Academy of Higher Education (MAHE) is a multidisciplinary university located in Manipal, Karnataka, India. Established in 1953, MAHE has been granted Institute of Eminence status by the Ministry of Education, Government of India, and currently has campuses in Bangalore, Mangalore, Jamshedpur and Dubai. Known for its innovative and industry-relevant curriculum, world-class infrastructure, MAHE aims to inculcate the future generations with skills of research and innovation to make the world a better place.

Visit: <https://manipal.edu>

MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL

The Manipal Institute of Technology (MIT), Manipal was established in 1957 as one of the first self-financing engineering colleges in the country. MIT offers Bachelor's, Master's and PhD program in various engineering streams.

Visit: <https://www.manipal.edu/mit.html>

ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT

Established in the year 1960, the Department of Electrical & Electronics Engineering has been at the forefront to produce well-groomed graduates, possessing sound technical skills and innovative ideas to cater to the ever-growing demands of the industry. The department is backed by a team of motivated, dedicated, and experienced teachers with expertise in key domains such as Control Systems, Electric Vehicle Technology, Power & Energy Systems, Artificial Intelligence, Embedded Systems and Lighting Science.

Visit: <https://www.manipal.edu/mit/department-faculty/department-list/electrical-and-electronics-engineering.html>

AIM OF THE SUMMIT

This summit aims at congregation of ideas, innovations, research, discussions, plenary talks on providing solutions for sustainable energy future. This summit brings together the enthusiastic UG, PG and PhD students of Science and Technology to share their ideas through poster presentation, paper presentation and interactive sessions. The Summit includes visit to state-of-the-art research facilities and campus tour.

FOCUS AREAS OF ENERGY FOR SUSTAINABLE FUTURE

The topics (not restricted to) are:

- ✦ Renewable Energy
- ✦ E-Mobility
- ✦ Power Electronics & Drives
- ✦ Automation and AI
- ✦ Climate Transition
- ✦ Future Grid
- ✦ Smart and Sustainable Solutions through Computation
- ✦ Smart Cities
- ✦ Networking and Communication
- ✦ Bio-Inspired Solutions
- ✦ Energy Markets
- ✦ Biofuels and Bioenergy
- ✦ Smart Systems
- ✦ Nano Technology Applications
- ✦ Energy Policy
- ✦ Net Carbon Zero
- ✦ Sustainable Agriculture
- ✦ Illumination Technology

TARGET AUDIENCE

UG, PG and PhD students of Science and Technology

COMPOSITION OF THE SUMMIT

- ✦ EVENT 1: Poster presentation
- ✦ EVENT 2: Oral presentation
- ✦ EVENT 3: Plenary talks by experts

AWARDS/RECOGNITION

- Publication of all presented papers in Manipal Journal of Science and Technology (MJST) Indexed in J-GATE with DOI and ISSN.
Visit: <https://impressions.manipal.edu/mjst/>
- Cash Prizes for the top three research ideas.
- Best Paper Award in each session of the paper presentation.
- Certificates for the registered presenters/attendees.

SUBMISSION

Participants opting for oral/poster presentation need to email the full-length papers within 4 to 6 pages in single column format to nses2024@manipal.edu.

All submissions will be subjected to similarity checks.

IMPORTANT DATES

Last date for submission: April 10, 2024

Information on acceptance: April 25, 2024

Last date for registration: April 30, 2024

Last date for submission of camera-ready paper: May 10, 2024

REGISTRATION

One author of each paper/poster should register after acceptance of the paper.

Payment category

- Non MAHE Participants (online) : ₹ 400+18% GST
- Non MAHE Participants (offline) : ₹ 900+18% GST
- Non MAHE Participants (Only attending) : ₹ 650+18% GST
- MAHE Participants (online) : ₹ 400
- MAHE Participants (offline) : ₹ 900

The link for registration and Payment is given below:

<http://tinyurl.com/2w3ue8ym>

Campus accommodation will be provided on prior request with nominal charges.

OUTCOME OF THE SUMMIT

- Induce awareness on upcoming technology and solutions towards energy sustainability.
- Foster innovative practices among students.

ORGANISING COMMITTEE

Patrons:

Dr. Ramdas M. Pai, Chancellor, MAHE, Manipal
Dr. H. S. Ballal, Pro Chancellor, MAHE, Manipal
Lt. Gen. (Dr.) M. D. Venkatesh, Vice Chancellor, MAHE, Manipal
Dr. Narayana Sabhahit, Pro Vice Chancellor (T & S), MAHE, Manipal
Dr. P. Giridhar Kini, Registrar, MAHE, Manipal
Dr. Vinod V. Thomas, Registrar- Evaluation, MAHE, Manipal
Cdr. (Dr.) Anil Rana, Director, MIT, Manipal
Dr. Somashekara Bhat, Joint Director, MIT, Manipal

Chairperson:

Dr. Chandrashekara S. Adiga, HoD, EEE, MIT, Manipal

Co-Chairperson:

Dr. Ashok Rao, Associate Director- R&C, MIT Manipal, (Editor, MJST)
Dr. Pallavi R. Mane, Professor, ECE, (branch counselor- IEEE, SBM), MIT Manipal

Convenors:

Dr. Ciji Pearl Kurian, Senior Professor, EEE, MIT, Manipal
Dr. Bindu S., Associate Professor, EEE, MIT, Manipal
Dr. Debdeep Saha, Assistant Professor, EEE, MIT, Manipal

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