

MAEER'S

**MIT ACADEMY OF ENGINEERING
ALANDI, PUNE**



Department of Mechanical Engineering

ORGANISES

1st INTERNATIONAL CONFERENCE

ON

**“NEXT-GENERATION MECHANICAL
ENGINEERING: TRENDS AND
INNOVATIONS” (NGMETI-2026)**

JANUARY 16–17th, 2026

(Online Mode)



MIT ACADEMY OF ENGINEERING

Kale Patil Nagar, Alandi, Pune
Pune- 412 105, (Maharashtra State)
Website: www.mitaoe.org.in
Phone : 020-30253500 (Ext. 1257)

ABOUT MAEER'S

Maharashtra Academy of Engineering Education & Research (MAEER) was the first step in the educational revolution in the private sector in Maharashtra. In the early eighties, Maharashtra, despite its rich heritage, the teachings of myriad saints, and a lineage of some of the greatest leaders in the world, faced a lack of sufficient opportunities in the field of education in private sector. With this realization, commenced the journey of MAEER in 1983 and MIT group of institutions was established as a society and charitable trust. Since then, the group has grown in leaps and bounds, and has made a strong impact in the field of education throughout the country. With more than 10 campuses in Maharashtra, spread over hundreds of acres, MIT group provides education in disciplines such as engineering, medicine, pharmacy, marine engineering, telecom management, lighting & design, food technology, retail management, business administration and governance, apart from school education. At any given point of time, more than 50,000 students are pursuing various courses.

ABOUT MITAOE

MIT Academy of Engineering (MITAOE), Alandi, Pune, was established in 1999 under MAEER by the honorable Prof. Dr. Vishwanath D. Karad, Founder and Executive President of MIT Group. The institute offers ten UG programs (B. Tech & B. Des) and two PG programs (M. Tech). Recently, the UGC has honored the institute with 'Academic Autonomy' considering the quality of pedagogical practices, research, faculty and the state-of-the-art infrastructure that meets global standards. The Savitribai Phule Pune University (SPPU) has honored the institute with the 'Best Engineering College (Professional Courses) award. The NBA Accreditation to all branches, 'A' Grade by NAAC and the 2(F) & 12(B) status from the UGC, are the testimony to our pursuit of excellence. We are committed for their bright future and hence facilitate them to realize their dreams.

ABOUT MECHANICAL DEPARTMENT

It was established in 2006 with the UG intake of 60 students. The current intake of 120 students and PG intake of 18 (Heat Power). Department offers choice-based curriculum system that integrates theoretical knowledge with hands-on skill development wherein students can acquire interdisciplinary knowledge and pursue specializations in data science, AI, cyber security, embedded and VLSI system, piping design, etc. Also offers International Summer Internship & student exchange, Semester Long Internship, Yearlong Internship, etc.

Chief Patrons

Hon. Prof. Vishawanath Karad, Founder, Executive President & Managing Trustee, MAEER, Pune
Hon. Dr. Sunil Karad, Executive President MITAOE Trustee & Treasurer, MAEER's MIT Group

Patron

Dr. Yogesh J. Bhalerao, Director
Dr. Mahesh D. Goudar, Officiating Director

General Chairs

Dr. Shitalkumar A. Jain, Deputy Director Corporate Relations
Dr. Sunita S. Barve, Deputy Director, Academics & Research

Advisory Committee

Dr. David Bassir, Professor, Digital Twin Lab, China.
Dr. Angappa Gunasekaran, Penn State Harrisburg, Guna
Mr. Saurabh Sinha, Founder & Chairman, EMIDS, USA.
Dr. Julfikar Haider, Sr. Lecturer, University of Manchester, UK
Dr. Mallikarjuna J. M., Professor, IIT Madras
Dr. K. P. Karunakaran, Professor, IIT Mumbai
Dr. Subrata Sarkar, Professor, IIT Kanpur
Dr. Dilip Kumar Pratihar, IIT Kharagpur
Dr. Subrata Kumar Ghosh, Professor, IIT, Dhanbad
Dr. Jahar Sarkar, Professor, IIT Varanasi
Dr. V. Pandu Ranga, Professor, IIT Bhubaneswar
Dr. A. M. Kuthe, Professor, VNIT Nagpur
Dr. Satish Kumar, Professor, NIT Jamshedpur
Dr. A. Veeresh Babu, Professor, NIT Warangal
Dr. V. R. Kalamkar, Professor, VNIT Nagpur
Dr. Rajsekhar Panua, Professor, NIT, Agartala
Dr. Atul Sharma, Associate Professor, IIT Mumbai
Dr. Anil Kumar Birru, Associate Professor, NIT Manipur
Dr. Alok Singh, Associate Professor, MANIT, Bhopal
Dr. Rakesh Sehgal, Associate Professor, NIT Hamirpur
Dr. M. L. Meena, Associate Professor NIT Jaipur
Dr. Dhanpal Kamble, Dy. Director, DTE, Mumbai.

Convener

Dr. Abhigeet. M. Malge (+91-7020671210)
Email: ammalge@mitaoe.ac.in
Professor and Head, Mechanical Engineering

Organizing Chair

Dr. Avinash. G. Kamble (+91-9422984326)
E-mail: agkamble@mitaoe.ac.in
Associate Professor, Mechanical Engineering

Peer Review Comittee

Dr. Mahesh Nagarkar Dr. Maya Charde
Dr. Prafull Hatte Dr. Pramod Kothmire
Dr. Printam Kalos Dr. Nilesh Totala

ABOUT INTERNATIONAL CONFERENCE

The conference will unite professional engineers and renowned experts from research organizations, academic institutions and industries to share knowledge and expertise in the field of mechanical engineering education & research. The conference focuses on fundamental research in Mechanical Engineering. This comes at an appropriate time when the whole world is moving towards innovation. The conference aims at providing a forum for engineers and researchers to exchange ideas and present their latest work on all aspects of Mechanical Engineering. The conference will include plenary lectures delivered by eminent personalities from reputed institutes.

CONFERENCE THEME

Potential themes to be addressed in this conference include:

A) THERMAL:

- Internal Combustion Engines
- Computational methods in Thermal Engineering
- Refrigeration and Air conditioning
- Heat and Mass Transfer
- Computational Fluid Dynamics
- Thermal Power and Heat transfer
- Renewable and Non-Conventional Energy Sources
- Alternative Fuels.

B) DESIGN:

- Modeling and Simulation of Systems and Processes
- CAD/CAM/CIM/FEM
- Optimization Techniques
- Automation and Robotics

C) PRODUCTION AND MANUFACTURING:

- Supply Chain Management
- Nano-Material and Manufacturing
- Composites/Ceramics/Polymers
- Foundry/ Castings/ Welding/ Corrosion
- Advanced Manufacturing Processes

D) ROBOTICS AND AUTOMATION:

- Autonomous Systems and Controls
- Automation in Smart Manufacturing
- Artificial Intelligence in Robots
- Robot Vision & Navigation
- Mobile Robotics

CALL FOR PAPERS:

Original and unpublished research manuscripts are invited for presentation in the conference. The manuscript should contain an abstract limited to a maximum of 200 words and maximum six pages. Authors are requested to submit soft copy of manuscript in the template only in the Microsoft CMT link: <https://cmt3.research.microsoft.com/NGMETI2026>

Note: Selected papers will be published in Scopus indexed Journals. (Collaboration with Journals in-process. Extra designated charges for scopus indexed journal publication have to be incurred by the authors)

REGISTRATION FEE PARTICULARS:

Category	Indian Participants	Foreign Participants
Students/faculty:	INR 1000	USD 15
Industry person:	INR 1200	USD 20

The registration fees includes admission to all sessions, conference certificate and soft copy of proceeding.

BANK DETAIL:

Account Name : MIT ACADEMY OF ENGINEERING
Account Number : 062927110000006
Bank & Branch : BOI & ALANDI Branch, Pune
IFSC Code : BKID0000629

IMPORTANT DATES:

Call for paper: 02nd January, 2026

Acceptance of paper: 07th January, 2026

Manuscript acceptance will be communicated through mail. Completed registration along with registration fees details must be submit on or before 10th January, 2026. Candidates will be confirmed only after the receiving the registration fee and filling the registration form in the below google form:

<https://forms.gle/ERA7AU6GZuDuWwA>

REGISTRATION FORM

1st INTERNATIONAL CONFERENCE ON

**“Next-Generation Mechanical Engineering:
Trends and Innovations” (NGMETI-2026)**

JANUARY 16-17th, 2026.

1. Name: _____

2. Designation: _____

3. Department: _____

4. Institute / Organization: _____

5. Address for Correspondence: _____

State: _____ Country: _____

6. Mobile No: _____

7. Email: _____

8. Theme: _____

9. Category: Student/Faculty/In _____

11 Details of Registration Fee

Amount: _____ Transaction ID _____

Bank Name _____ Date _____

12. Payment Receipt:

13. Soft copy of paper (As per template):

Sign of Participant Sign & Seal of Sponsoring Authority