

SILVER JUBILEE CELEBRATIONS (2020-21)



**ISTE-sponsored One-week e-Faculty
Development Programme (FDP) on**



**“EMERGING INDUSTRY PRACTICES IN
MECHANICAL ENGINEERING”**

07th to 11th November, 2020

Organised By

Mechanical Engineering Department



MAEER's MIT Polytechnic, Pune



Indian Society for Technical Education

In Association with



Dr. Vishwanath Karad
**MIT WORLD PEACE
UNIVERSITY | PUNE**
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

**MIT-WPU School of Polytechnic &
Skill Development, Pune**

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FACULTY CO-ORDINATORS

Prof. Mangesh R. Mahajan

Lecturer, Mechanical Engineering Department

Prof. Ketan V. Karandikar

Lecturer, Mechanical Engineering Department

RESOURCE PERSONS

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ABOUT MAEER's MIT POLYTECHNIC, PUNE



MAEER's MIT Polytechnic is located at Kothrud, Pune in the state of Maharashtra, India. Established in the year 1996, it is one of the leading polytechnic colleges in the field of engineering. It is an ISO 9001:2015 certified institute, recognised by MSBTE, Mumbai and affiliated to AICTE New Delhi. It is focused on providing value-based knowledge, entrepreneurial skills and the aptitude required for youth to excel in their employment, or as entrepreneurs or even for them to continue their education leading to a degree program with professional excellence. It features state-of-the-art infrastructural facilities as well as an excellent teaching faculty. We offer post-SSC 3-year diploma programmes years in Mechanical, Electronics & Telecommunications, Computer, Information Technology and Civil Engineering.

ABOUT MECHANICAL ENGINEERING DEPARTMENT

The Department of Mechanical Engineering, has more than a decade long history of creating the largest number of engineering diploma holders with the latest skills and knowledge required across industry domains. The program equips our students to face the challenges in core areas such as materials science, fluid mechanics, thermodynamics, instrumentation and control, product and system design and manufacturing. Our study programme ensures that our students are ready for a variety of engineering roles in industries ranging from automotive, energy, manufacturing and many more...

VISION & MISSION OF THE INSTITUTE

Vision:

To become an acclaimed institute which facilitates to earn enriching knowledge, skills and life-long learning in the streams of engineering.

Mission:

To facilitate our students and the faculty with exposure and platform to contemporary practices to meet various challenges in ever advancing sectors of their field.

To imbibe personal attributes and facilitate the students to pursue higher education and / or venture into entrepreneurship avenues.

FACULTY DEVELOPMENT PROGRAMME - OUTCOMES

- **By successfully completing this Faculty Development Programme, faculty will be able to:**
- Get insights on the latest developments in IC engine technology and diesel engines.
- Learn the advances in automobile braking systems and braking system design.
- Understand the role of MATLAB for development of automotive controls.
- Get insights on emerging industry trends in automotive engineering.
- Understand the technology used in various types of locomotives.
- Learn the basics of product designing and supply chain management used Industry 4.0.

FACULTY DEVELOPMENT PROGRAMME - CONTENTS

- **Advances in Engine Technology**
- **Advances in Braking Systems**
- **Braking System Design**
- **MATLAB environment for Automotive Control Development**
- **Diesel Electric & Electric Locomotive Technology**
- **Emerging Trends in Automotive Industry**
- **Industry 4.0 / Supply Chain Management**
- **Product Designing**

SALIENT FEATURES OF THE FDP

- **Sessions** by resource persons from **leading industries** in the automotive sector.
- Daily sessions in two convenient slots: - **10:00 am to 12:00 pm** and **2:00 pm to 4:00 pm**
- **e-FDP** to facilitate learning during lockdown period - **all sessions will be conducted through online platform (Webex).**
- **Daily activities** in the form of online quizzes for faculty participants to maximize learning.
- **E-Certificates** will be provided to all faculty participants after successful completion of the FDP.

ELIGIBILITY/TARGET PARTICIPANTS

Faculties from Mechanical Engineering Group of institutes from India (Diploma & Degree) can participate.

DETAILS FOR REGISTRATION

- **Registration Fees: INR 200/-**
- (Faculties with ISTE Life Membership can get hardcopy of certificate from ISTE on an additional payment of INR 354/-)

STEPS FOR REGISTRATION

- 1) **Complete the payment of Registration Fees of INR 200/- via [Online Payment on mobile number 9881044292](#) Note the Transaction ID/UTR.**
- 2) **Fill the registration form on the following link: - (Requires Transaction ID/UTR from Step 1)**
<https://urlzs.com/XNv8i>
- 3) **Join Whatsapp FDP Group on the following link: - <https://urlzs.com/A4drc>**

INVITED BY

Prof. Dr. N.K. Patil

(Convener) (Head, Mechanical Engg. Department)

Prof. Mangesh R. Mahajan - 8767274104

(Faculty Co-ordinator) (LME)

Prof. Ketan V. Karandikar - 9764141017/8087034747

(Faculty Co-ordinator) (LME)

&

All Faculty Members of Mechanical Engg. Department