

MIT

Academy of Engineering

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

THE INSIDER

31-07-2024

JULY EDITION



INTRODUCTION

The monthly newsletter of MITAOE, "The Insider," shares information about educational events, monthly activities, guest lectures, webinars, and other events that help B.Tech and B.Des students prepare for a bright future. There are many more activities that take place on the MITAOE campus. Standing by the motto, "You grow and the institution will grow with you," we at MITAOE honor one another's success stories, both large and small, and this is one way we do it.

It is our earnest hope that you will find The Insider, our monthly newsletter, to be beneficial and inspiring for future development. We would like to express our gratitude to all of the faculty and staff for making this possible each month.

Here are the highlights of January 2024 with the monthly newsletter from MITAOE- 'The Insider'.

Reach us at marketing@mitaoe.ac.in for constructive feedback that will be helpful for us.

SPOKE PERSON



Dr. Abhijit M. Malge,

Professor & Dean, School of Mechanical Engineering

Dear Colleagues and Education Enthusiasts,

As the Dean of the Mechanical Engineering Department at MIT Academy of Engineering, I'm excited to share our innovative approach to engineering education.

Our curriculum is designed to meet the evolving demands of the industry, focusing on both theoretical knowledge and practical skills. We offer a range of hands-on courses that are crucial for today's mechanical engineers:

1. Industrial Measurement & Instrumentation

2. Computer-Aided Product Design
3. Mechanical Simulation
4. Object-Oriented Programming

These courses ensure our students are well-versed in the latest technologies and methodologies used in the field. We've embraced the Choice-Based Curriculum System (CBCS), allowing students to acquire interdisciplinary skills. This approach produces well-rounded engineers capable of tackling complex, multifaceted problems.

Our specialization tracks in Computer-Aided Engineering, Robotics & Automation, and Automobile Engineering provide students with focused expertise in high-demand areas. To bridge the gap between academia and industry, we collaborate with renowned industry experts who deliver skill courses. This gives our students invaluable insights into real-world applications and challenges.

We're proud to foster an environment of innovation and entrepreneurship. Our students actively file patents, launch startups, and present papers at international conferences during their academic journey.

At MITAOE, we're not just educating students; we are shaping the future leaders of the mechanical engineering world. Our approach ensures that graduates are not only job-ready but also prepared to drive innovation in the industry.

ACTIVITIES



- Seven faculty members / Staff from the School of Civil Engineering (Mr. NV Bhalerao, Dr. VV Muthekar, Ms. Swapnali Mohol, Dr. Muniappan, Mrs. Anagha Galgali, Mrs. Snehal Wagh, and Mr. PS Barve) have in one one-day workshop on **"Awareness about NEP-2020 structure implementation workshop for Teachers and Administrative staff 2024"**, by MIT Academy of Engg, on 02 July 2024.

- **Dr. Shyam Shukla** has conducted a webinar on **"Civil Engineering with IT"** for B. Tech. aspirants on 3rd July 2024.

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Session on:

CIVIL ENGINEERING WITH IT

Speaker

Dr. Shyam Shukla

Dean & Professor,
 School of Civil Engineering, MITAOE.

WEDNESDAY	STARTS	END
3	4	5
JULY	PM	PM



Shikalgar attended Two-week Online Faculty Development Program on **'Effective Techniques for Online / Blended Teaching-Learning & E-content Development'** organized by Center for Excellence in Learning and Teaching & School of Chemical Engineering, MIT Academy of Engineering, Pune from 22nd June to 5th July 2024.



- The Center for Excellence in Learning and Teaching (CELT) and the School of Chemical Engineering jointly organized a two-week online FDP on **'Effective Techniques for Online/ Blended Teaching-Learning & E-content Development'** from 22nd June 2024 to 5th July 2024.

- IChE Students' Chapter, School of Chemical Engineering conducted a workshop on "**Happy Life**"; a special event focused on fostering happiness and well-being in our professional and personal lives for faculty & staff of the Institute.



RESEARCH & DEVELOPMENT

Journal Publication

- Dr. Ashish Mulajkar has published a paper titled "**Unmanned Aerial Vehicle Resilience: A new approach to fault diagnostic Framework**" in Journal of Autonomous Intelligence (2024) Volume 7, Issue 5 (SCOPUS INDEXED) on 10th July 2024
- **Dr. M. P. Patil** -Assistant Professor, School of Chemical Engineering have published a paper in Journal of Physics: IOP Conference Series (Scopus indexed), title of "**Artificial Intelligence in Carbon Capture: Modeling CO2 Absorption Using Amine Blends**", this papers were presented at the International Conference on Advances in Mechanical Engineering organized by G. H. Raisoni College of Engineering, Nagpur.
- **Dr. P. N. Sutar**-Assistant Professor, School of Chemical Engineering has published a paper in Journal of Physics: IOP Conference Series (Scopus indexed), title of "**Study of Hydrodynamics and Residence Time Distribution in a Trickle Bed Reactor**", this papers were presented at the International Conference on Advances in Mechanical Engineering organized by G. H. Raisoni College of Engineering, Nagpur.
- **Mrs. M. D. Sardare** -Assistant Professor, School of Chemical Engineering has published a paper in Journal of Physics: IOP Conference Series (Scopus indexed), title of "**A review on flow and segregation of granular materials during heap formation**", this papers were presented at the International Conference on Advances in Mechanical Engineering organized by G. H. Raisoni College of Engineering, Nagpur.

Conference

- Pragati Wagh, Vaibhav Sul, Abhilash Wasekar, Sukanya Mathapti, Dr. Vrushi Waghmare presented Paper titled 'Real Time Battery Discharge Cycle Tracking with IoT and CAN Integration' at the International Conference on Sustainable Smart Computing and Green Energy (ICSSCGE-2024), at Woxsen University, Hyderabad, India on 25th to 26th June 2024.
- A TY project group under Mr. KS Kanade has participated & submitted the abstract copy to the "International WASH Conference 2024 by Jal Shakti" Government of India and also participated & submitted the abstract to the International Conference on Water and Sustainable Development (ICWS-D:2024)
- **Dr.Vijay Muthekar** Presented a paper at an International Conference by JSPM-NTC, Pune on "**Optimization of activation function in neural network to predict compaction parameters of silty soil**" from 27th to 28th June 2024

Corporate Training and Placement

- Campus Placement: 347(2024 Batch)
Average **Salary 5.98 LPA**
- Campus Placement: 06(2025 Batch)
Average **Salary-15.58 LPA**
- No. Of Students Placed for **SLIP-475** (All Branch Engg.)

Meet our student
Riya Baviskar
from Computer
now thriving at
IBM (ISDL)

30K Stipend

Congrats!

ENROLL NOW
ADMISSIONS OPEN

Meet our student
Prathamesh Shirnath
from Computer
now thriving at
Juspay Technologies

27 LPA

Congrats!

ENROLL NOW
ADMISSIONS OPEN

OTHERS

- Dr. Prafulla Hatte is featured in Business Talkz magazine in July 2024 edition. MITAOE Research & Development initiatives and outcomes are highlighted in the article.
- Prof. Aswathy M.A. as a resource person delivered a Webinar on 'Women Empowerment in AI and 4IR Technologies' as a part of IEEE Women in Engineering Day Celebrations 2024 at KSR College of Technology, Namakkal, Tamil Nadu on 28th June 2024.

“We **Thank** all the faculty members, staff, and students who have been helpful and cooperative while the newsletter was under process. It is with a team of active members that the February edition of “**The Insider**” is ready to be published.”

EDITORIAL TEAM

Bhushan Bembale | Harshada Kumbhakarna
Nilesh Lokhande | Milan Sagdhara
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