



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 December 2023 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. D. Y. Sakhare

Dean and professor at
School of Electronics & Telecommunications

Dean and Professor at School of Electronics & Telecommunications at MIT Academy of Engineering, taking a lot of

pride in the quality and excellence of joyful learning, industry institute interaction, activity-based learning, industry-based projects, extracurricular and co-curricular activities, and research.

The courses offered by the school equip the students with the knowledge of a blended choice-based curriculum of Natural Sciences and Engineering Sciences. Also, the school has introduced specialization verticals in the areas of Robotics and Automation, Internet of Things and Embedded System over a duration of four semesters, starting from T.Y.B.Tech. This would lead to an additional minor degree for students. These courses were developed in consultation with renowned industry experts in an endeavour to prepare our students to meet industry expectations. The school places special emphasis on developing hands-on skills by introducing various hardware and software skill labs.

ACTIVITIES

- **Prof. Vaibhav Gijare** and **Prof. Vivekanand Joshi** have achieved Fortinet Certified Associate in Cybersecurity.



Prof. Vaibhav Gijare completed the course 'FCF - Getting started in Cybersecurity 2.0 Self-Paced' by Fortinet Training Institute, completed the course 'FCF - Getting started in Cybersecurity 2.0 Self-Paced' by Fortinet Training and completed the course 'FCA - FortiGate 7.4 Operator Self-Paced' by Fortinet Training Institute.

Prof. Vaibhav Gijare and **Prof. Vivekanand Joshi** completed the course 'FCF - Introduction to the Threat Landscape 2.0 Self-Paced' by Fortinet Training Institute.

STUDENTS/ FACULTY ACHIEVEMENTS



Dr. S. V. Taralkar - School of Chemical Engineering received Certificate of appreciation for **"Valuable and Exemplary Contributions in the Education Sector"** during New Normal Education Leadership Summit & Awards 2023.



Prof. Smita Kulkarni and **Prof. Kalpana Pawase** successfully defended Ph.D. Viva-voce examination on 12th December 2023. Dr. Prafull Hatte has been shortlisted by TradeFlock Magazine for **'Best Education Leaders in India 2024'**.

- Also, the School of Chemical Engineering was selected for a **"ICTIEE 2024 Teaching and Learning Award"** by IUCEE.

RESEARCH & DEVELOPMENT

- Patent:

1. A patent is published by **Dr. A.M. Malge** along with **Simran Mondal, Abhijit Amrutkar, Aditya Surve, Shruti Girhe** 24 November 2023 entitled "Excreta Collecting and Dispensing Device and Method Thereof" with Application No.: 202321032844 filed on 09 May 2023.

2. A patent has been granted to **Dr. M.M. Charde & Mr. N. S. Rashinar** on 10/11/2023 entitled "System And Method For Forces Measurement In Combined Face And Shoulder Grinding Operation."

3. Title: Fuel Blender for Use in Gasoline Engine for Blending Ethanol and Gasoline Fuel.

- **Patent No.: 467725 (Application No.: 201721008392)**
- **Date of Grant: 09th November 2023**
- **Patentee: Dr. Prafulla Ratnakar Hatte**
- **Inventors: Dr. Prafulla Ratnakar Hatte, Dr. Yogesh Jayant Bhalerao**

4. Title: System And Method For Forces Measurement In Combined Face And Shoulder Grinding Operation

- **Patent NO: 468239 (Application No: 201821027111)**
- **Date of Grant : 10th November 2023**
- **Patentee : 1. Maya Madhukar Charde , 2. Namdeo Shankar Rashinkar**

5. Title: Mechanism For Removing Leaves And Thorns From Rose Flower Stem.Grinding Operation

- **Patent No.: 440427(Application No.: 201921005801)**
- **Date of Grant: 25th July 2023**
- **Patentee: Dr. Prafulla Ratnakar Hatte**

6. Title: Temperature Measurement Technique For Combined Face And Shoulder Grinding Operation

- **Patent NO: 451164 (Application No: 201721017212)**
- **Date of Grant : 13th September 2023**
- **Patentee : 1. Maya Madhukar Charde , 2. Namdeo Shankar Rashinkar**

- Journal Publication:

- **Dr. Vishal Puranik** published a paper titled '**Advanced CNN Detection Method for Brain Tumor Analysis**' in Scopus Indexed International Journal of Intelligent Systems and Applications in Engineering, 12(7s), 250-255, ISSN : 2147-6799.
- A research paper published by Dr. G. V. Shete titled "Effect of cutting parameters on various output responses for cryo-treated INCONEL X750 alloy" in International Journal on Interactive Design and Manufacturing (IJIDeM) with Impact factor: 2.1. Date of submission: 7/8/2023, Date of acceptance: 12/11/2023.

- Dr. S. V. Taralkar - School of Chemical Engineering published research paper "Intensified degradation of reactive blue 222 (RB222) textile dye by a hybrid AOP system of hydrodynamic cavitation coupled with inline UV and PMS oxidant" has been published in the Journal of Water Process Engineering (SCIE & Scopus Indexed).

- Book Chapter:

- Published Book Chapter by **Dr. Vishal Puranik** titled 'Toward Artificial General Intelligence Deep Learning, Neural Networks, Generative AI, Publisher : De Gruyter ISBN: 9783111323749 <https://doi.org/10.1515/9783111323749>

- Reviewer:

- **Dr. Vipin Yadav** contributed as a Technical Program Committee Member and Reviewer in the Congress on '**Smart Computing Technologies (CSCT 2023)**' held during 2nd and 3rd December 2023 organized by Soft Computing Research Society and SCRIL South Asian University, India.

OTHERS

- The following small-budget proposals have been approved by SPPU for the 'Student Development Cell' for the year 2023-24. Ms. Vandana Khandelwal serves as the Single Point of Contact (SPOC) overseeing the activities of the Student Development

Sr. No.	Proposal	Amount Sanctioned	Event coordinator	Department
01	Nirbhay Kanya Yojana	5000/-	Vandana Khandelwal	Central Library
02	Workshop on Career Building	3000/-	Medhavi Singh	CR office
03	Workshop on Financial Literacy	4000/-	Medhavi Singh	CR office
04	Workshop on Grooming & Personality Development	3000/-	S. A. Khandekar	Dean SA
05	Digital Marketing workshop	3000/-	Shailesh Shinde	Marketing
	TOTAL Amount Sanctioned	18000/-		

- **Dr. A. R. Nagargoje** delivered A career guidance seminar titled "**Mapping the Best Engineering Stream**" on Monday, December 11, 2023, for the school students of Shree Swami Vivekananda Coaching Classes.

- **MIT AOE** collaboration with Rotary Club of Pimpri Elite is considered by Rotary International Foundations and has been given an ID along with district ID and the club title is Rotaract club of MITAOE with RC Pimpri.

- **Dr. P. N. Sutar, Dr. M. P. Patil & Mr. D. M. Chavan** - School of Chemical Engineering visited ChemExim Solutions Private Limited, Thane for discussion regarding the possibilities of student placement, student internship, collaborative research, guest talk and student.

- **A12 lakhs** grant is received from AICTE PMKVY for a 240 student Skill course project under the faculty coordinator Mr. V. N. Deshmukh.

- INTERNATIONAL RECOGNITION

- **Dr. Prafulla Hatte** worked as a Session Chair in the Second Global Entrepreneurship Catalyst Symposium organized by CGM South Africa in Oct 2023.
- **Dr. Prafulla Hatte** was recognised by the Wad
- **Hani Foundation** NEN as a Global Jury for evaluating the highest number of student startup proposals across the globe.

- **Mr. S. S. Gandhi, Mrs. S. S. Shende & Mr. P. R. Kulkarni** – School of Chemical Engineering visited Honeywell Automation India Pvt. Ltd. Hadapsar, Pune to carry out discussions related to Training and Placement activities.

- School of E&TC Engineering organized a Seminar on '**Mathematics behind Data Science**' by Mr. Mandar Nalavade, Ph.D. Scholar, IIT Bombay on 2nd December and 3rd December 2023 for SY BTECH

- **Dr. P. N. Sutar, Dr. M. P. Patil & Mr. D. M. Chavan** - School of Chemical Engineering visited the Institute of Chemical Technology, Matunga, Mumbai for discussion of Academic / R&D Collaboration, Internships and Faculty Development Opportunities.

- **Dr. Vipin Yadav** and Team EMT have presented Assessment Reforms for the Engineering Electromagnetics Course in IDC meeting and are well appreciated by core academics team MITAOE on 6th December 2023.

"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
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