

the insider



INTRODUCTION

The first issue of MITAOE's "The Insider" published in 2023 will feature a number of events, activities, and accomplishments racked up by our students and faculty in the month of January 2023. We sincerely hope that our readers will find "The Insider" to be both useful and educational in its mission to inform them about the institute.

We also want to thank the faculty and staff at our institution for their contributions to this book. If you have any suggestions or feedback that could improve us, kindly contact us at marketing@mitaoe.ac.in.

SPOKESPERSON

We are very glad to present the January edition of 2023 Insider. Encouraging students to go beyond the walls of conventional engineering education has always been our passion at the MIT Academy of Engineering. We at the MIT Academy of Engineering always try to prepare our students for upcoming industrial revolutions. Students are set free to acquire interdisciplinary knowledge through internships, site visits, short-term courses, guest sessions, and skill development courses. We always hope that our students will be able to work in a variety of industries, rather than just one. We believe in the fact that practical exposure can make students more aware of industrial processes, and thus, through semester-long internships, we achieve the same.



Dr Sandeep P Shewale,
Dean and Associate Professor
School of Chemical Engineering

We always feel happy to say that our students are marking their presence everywhere. We at MITAoE always prioritize our students and encourage them to pursue opportunities in research, industries, and higher education.

ACHIEVEMENTS

On January 26, 2023, MITAOE observed Republic Day. At 8:40 a.m., the Indian Air Force's veteran technical instructor for the Su-30 MKI fighter aircraft, Sargent Ashok Tiwari, raised the flag and gave a speech honouring our history and advising the generation of the future. Other honorees included Dr. Mahesh Goudar, Director of MITAOE; Dr. B. B. Waphare, Principal of MITACSC; Dr. Sadashiv Kumbhar, Principal of Jr. College; Prof. Sunilkumar Bhagat, Register of MITAOE; Dr. Shitalkumar Jain; Dr. Sunita Barve; Prof. Avinash Bhalerao, Dean of the School of Design; and Dr Surendra C. Herkal, Principal of B.Ed. College.



At the ICTIEE in Mysore on January 10, 2023, Mr. Rudragouda Patil from the School of Computer Engineering received an Award for Foundation Academic Leadership 2023 from Michael K. J. Milligan, Executive Director ABET.



The Dean of the School of Chemical Engineering, Dr. Sandeep P. Shewale, has received recognition from Savitribai Phule Pune University as a PG Teacher and Ph.D. Research Guide.

On December 17, 2022, Vedant Ghodki, a Btech Mechanical Engineering student, won first place in the West India Panel, which was put on by the Institution of Mechanical Engineers (IMEchE) in Goa. A once-in-a-lifetime opportunity was also given to him to represent it at the national level at Speak Out for Engineering 2022 (SOFE).



On the occasion of National Youth Day, the "Institution's Innovation Council" organized an "Exhibition of Indian Art and Portrayal of Youth." On January 17, 2023, the artwork was on display and appreciated in the exhibition.

On January 12th, 2023, participants from the School of Civil Engineering attended the 17th International Construction Expo on Machinery, Materials, Methods, and Projects, which was held in Moshi. In order to represent the MIT Academy of Engineering, students set up booths. Constro is renowned for taking an excellent approach to interacting with people and building a link between the general public and the industry.



The Mechanical Engineering Student Association (MESA), in collaboration with the MITAOE Chess Club, hosted the SPORTS FESTA 2023 on January 13 and 14, respectively.



As part of the celebration of our nation's G20 presidency, Prof. T. G. Sitharam, Chairman of the AICTE, gave a briefing to all Vice Chancellors of Technical Universities, Directors/Principals of AICTE-approved institutions of all states, and UTs on January 25, 2023, at 3:00 PM via virtual mode.

MITAOE SWAYAM-NPTEL Local Chapter has been awarded "A" Grade. It has secured 61st rank out of 5400 SWAYAM-NPTEL Local Chapters across India.



Four IITs organised an RC Aircraft Design and Fabricate Competition. Two teams from the MITAOE Aero Club competed in the IIT Kharagpur zonal round. Based on the abstract and a few images of the RC model fabrication, both teams were selected for the Zonal finals, which were held at IIT Kharagpur on January 21 and 22, 2023, during Kshitij offline mode. For the national finals at RVCE, Bengaluru, the top three teams from each zonal round received invitations.

On January 22nd, 2023, TEDxMITAOE celebrated its third anniversary at Auto Cluster in Pune. It was organized by the MIT Academy of Engineering, Alandi with the Institute's Director, Mr. Mahesh Goudar, who was present at the event. The event featured seven honorary speakers from a variety of professions: Ms. Amruta Khanvilkar, an actress; Ms. Madhura Bachal, a chef and YouTuber; Ms. Shreya Jain, a singer; Ms. Sharanya Iyer, a traveler; Mr. Ankit Sharma, a photographer; Mr. Gaurav Taori, an entrepreneur; and Drs. Prashant Thakare and Niraj Ghanwate, researchers. The event's theme, "Sonic Boom," stood for tenacity in pushing past limitations and reaching for the stars.





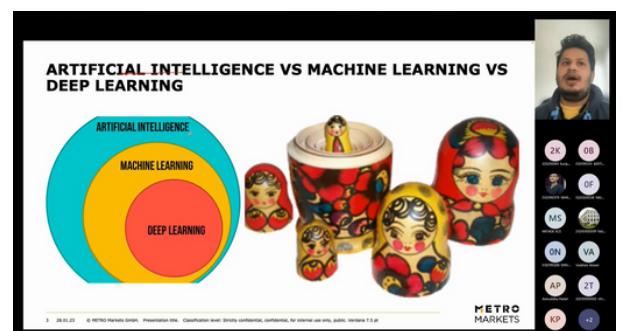
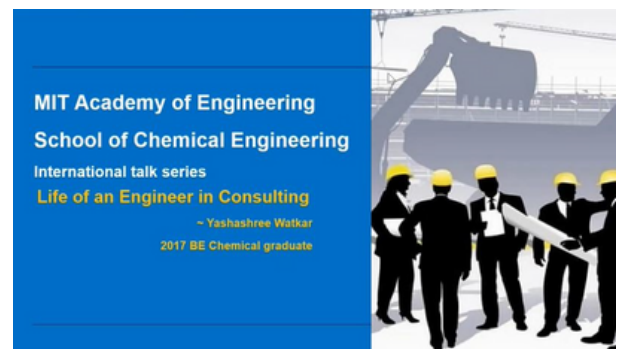
- Abhishek Patil, a student of Electronics Engineering, has created four world records for the Guinness Book of World Records, the Asia Book of Records, the India Book of Records, and the Assist Book of Records as a satellite calibrator, electronics processor, and technical volunteer at MITWPU to make 150 picosatellites in collaboration with the Dr. APJ Abdul Kalam International Foundation, Space Zone India, and the Martin Group. These 150 satellites will be launched with the help of the reusable rocket APJSLV on February 19, 2023, from Pattipuram, near Chennai.

- Dr. Dipti Sakhare has been awarded as a Top-Performing Mentor for the NPTEL Online Certification Course on "Cloud Computing."



Prof. Savita Pawar, MITAOE Aero Club coordinator, has signed an Academic Partnership Application with ANSYS Software Pvt. Ltd. Ansys has sponsored MITAOE with ten license copies of Research Mechanical and CFD software at a cost worth Rs. 35 Lac.

The first week of the International Talk Series for Alumni was organised by the School of Chemical Engineering on the 27th and 28th of January 2023. Ms. Yashashree Watkar (alumni of the 2016–17 batch), an Operations Analyst at McKinsey & Company in Chicago, US, spoke about the Life of an Engineer in Consulting. The second speaker was Mr. Ashvin Kulkarni (alumni of the 2010–2011 batch), Lead-in-Collaborative-Innovations at Pitney Bowes, Austin, Texas, who discussed Automation and Robotics in the Automotive and eCommerce industries. As the third speaker in the series, Mr. Aatish Chakrabarthi (2015-16 Batch), a Data Engineer at METRO Markets GmbH in Germany, discussed Data Science, Data Engineering, and Data Analysis.



PAPERS PUBLISHED

- On January 5, 2023 (Thursday), Mr. S. S. Gandhi and Mrs. S. S. Shende visited Pall India Pvt. Ltd. in Pune to talk about the potential for student placement and internship.
- An academic paper titled "Ultrasound Assisted Preparation, Characterization and Application of Biosorbent for Rhodamine 6G Removal from Waste Water" was written by Mr. V.D. Pakhle, Assistant Professor, School of Chemical Engineering. The article was published in Environmental Quality Management (Wiley Publications).

RESEARCH & DEVELOPMENT

- Dr. Rashmi Mahajan's book chapter, "Quick and efficient Hardware-Software Design Space Exploration using Vivado-HLS: A Case Study of Adaptive Algorithm for Image Denoising," was published by River Publisher and is indexed in SCOPUS.



OTHERS

- Assistant Professors from the School of Chemical Engineering, Dr. P. N. Sutar and Mr. V. A. Tarange, visited the Auto Cluster Exhibition and Research Centre in Pune to talk about the potential for student placement, student internships, and collaborative research projects/facilities.
- Dr. Sammit Karekar from Deccan Crest Engg. Pvt. Ltd., Ichalkaranji, Kolhapur, and Dr. M.P. Patil, Assistant Professor, School of Chemical Engineering, discussed placement and internships.
- On January 13, 2023, Mr. R.A. Patil and Mr. S. G. Mushan went to Kailash Vahn Pvt Ltd. Markal in Pune for a student internship opportunity for the TY SIP and B. Tech SLIP programs as well as an industry visit for the TY Mechanical Students.
- Statistics for placement and SLIP by chemical engineers: 27 students have been placed overall to date. There are currently 31 students who have internships for an entire semester that have been confirmed. There are five semester-long internships currently in progress overall. The total number of companies visited or contacted to date: 4.
- The School of Civil Engineering actively participated in the International Expo “Contro 2023.” The leads were developed for future students’ educational tours, internship programs, and job opportunities.

“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 December edition of “The Insider” is ready to be published.”

EDITORIAL TEAM

Prerna Sukhramani | Milan Sagdhara | Nilesh Lokhande | Sarvesh Shinde