



G.S.Mandal's
MAHARASHTRA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



MECHZINE

20TH EDITION

AY 2023-24



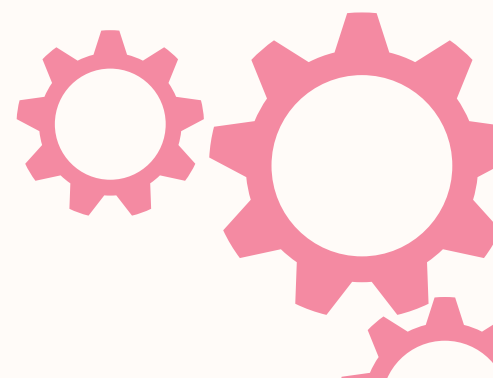
Content



- **Forward From The Editorial Team**
 - **Inauguration of MESA**
 - **Launch of S&M Course**
 - **Alumini Interaction**
 - **EVENTS of MESA**
 - **Kalavihangam 2k23**
 - **Rapid Prototype Process design and development**
 - **AI In every day life**
 - **FUN Facts.**
- 
- 

Forward From The Editorial Team

Mechzine is a flagship quarterly newsletter cum magazine of the Department of Mechanical Engineering. We the editorial board are pleased to provide the readers with a diversity of articles catering to diversified fields. The dynamic accomplishments and involvement of the students have provided our writers with a wealth of interesting to pictures to share with you. Outside the academic realm, Our students are involved in many organizations and activities.



Mechzine Editorial Board

TEAM MEMBER



Dr. A.J. Keche
HMED



Mr. M.N. Farooqui
Executive Editor



Miss. Gauri Kulkarni
Editor In Chief



Mr. Prathamesh Jadhav
Managing Editor



Miss. Sakshi Bankar
Typography Editor



Mr. Tejas Gaikwad
Creative Editor



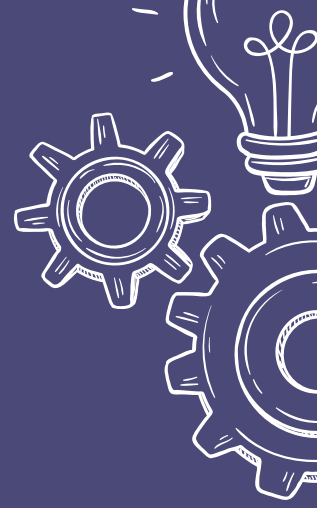
Mr. Sanket Mahanor
Technical Editor



Mr. Shravaan Shahane
Creative & Technical Head



MESA & Mechzine Inauguration



The inauguration ceremony of MESA i.e. Mechanical Engineering Students Association and Mechzine editorial Board was organized on 25th April 2023 by the Department of Mechanical Engineering, Maharashtra Institute of Technology. The program was conducted in hall no 202. The chief guest of the function was Mr. Rohit Dashrathi . He is the founder of Rucha yantra. He Guided and motivated students with his precious words. After that all the MESA members took the oath. Prof. M. N. Farooqui , Faculty Advisor, briefed about MESA. Head of Department Dr. A. J. Keche , Dean Academics Dr. Prashant Ambad , Director Dr. S. P. Bhosle , Addition Director Dr. Nilesh patil and all the staff and students of Mechanical Engineering were also present there.



MESA Inauguration
2023-24



LAUNCH OF S & M COURSE

Launch of an Industry Ready Course
S & M CERTIFIED MANUFACTURING TECHNOCRAT

Jointly by **SANJEEV** &

Resource Person

MR. RAJIV KULKARNI
Director Technical
Sanjeev Auto Parts

Highlights of the Course:

- Variety of Industry related topics
- Classroom teaching + On shop-floor demonstrations
- Hands-on Field Training
- Visually engaging interactive sessions
- Certificate on successful completion of course

On **25TH APRIL 2023 11.00 AM**
Seminar Hall 202

Dr. Swamini Chopra
Coordinator, MIT

Dr. Ashok Keche
Head, Mechanical Engineering Department

Dr. Santosh Bhosle
Director, MIT



On 25th April 2023 Launch of an industry ready course i.e. S & M certified Manufacturing Technocrat was organized by the Maharashtra Institute of Technology in seminar hall. The speaker of this program was Mr. Rajiv Kulkarni , technical director of Sanjeev auto parts. He introduced the course to students. The program was co-ordination by Dr. Swamini Chopra .

ALUMNI INTERACTION



08/03/2023

The Alumni Interaction was organized by department of Mechanical Engineering on 8 march. The speaker of the program Was Mr. Prajanya Kendrekar . He is the Staff cell Mechanical Engineer in Rivian LLC. He interacted with students and also guided them about career. Students also asked questions to him. And he gave the perfect path to them.

Dr. Amit Rawate, Dean, students Development, was also present in the program. He also guided the students.

G.S. Mandal's
MIT AURANGABAD
Maharashtra Institute of
Technology, Aurangabad
(An Autonomous
Institute)

ALUMNI INTERACTIVE SESSION

COME JOIN WITH US!!!



**MR. PRAJANYA
KENDREKAR**
CELL DESIGN AT RIVIAN
UC BERKELEY
2014 PASS-OUT OF
MIT

8 MARCH, 2023
AT : HALL NO. 308 3:00 PM
MECHANICAL ENGINEERING
STUDENT ASSOCIATION
(MESA-2023-24)

DR. A. J. KECHE HMED DR. S. P. BHOSLE DIRECTOR
PROF. M. N. FAROOQUI
FACULTY ADVISOR, MESA

MESA EVENTS



From 24th April to 26th April Technical and Non Technical events were taken at the department level. In which the events like Quiz competition, logo design competition and Treasure hunt were organized. All MESA and Mechzine members, Teachers staff, Head of department and Student volunteers supported and organized events nicely. Winners were encouraged with exciting gifts and certificates.



QUIZ COMPETITION

Round One - MCQ
Round Two - Rapid fire
Final Round - Buzzer Round

24-04-2023

Co-ordinator
Krushna Hede +91 96575 66046
Sauri Kulkarni +91 90223 88984

Registration link: <https://forms.gle/3WfjBYdw6Kzscd>

MESA
MECHANICAL ENGINEERING STUDENTS ASSOCIATION
MIT
2023-24
ORGANIZING

TREASURE HUNT

ENTRY FEES 60 RS ONLY

Max Members In Group 6

24-04-2023

Co-ordinator
Vibhav Kanade 249538527
Syam Kakde 067103921

Registration link <https://forms.gle/3WfjBYdw6Kzscd>

@mesa_mit23

CULTURAL EVENTS

»»»» 24th & 26th April



Cultural events were also organized on 24th and 26th April. On 24th April Bollywood day was organized at department level. Many students participated in that and also performed ramp walks. Winners of the Bollywood day were encouraged with certificates. On 26th April Theme day was organized. Theme of different states were given to different class. Students also participated in theme day.





KALAVIHANGAM 2K23



Kalavihangam is a vibrant fest that celebrates arts and culture. It brings together music, dance, theater, and visual arts in a harmonious showcase of talent and creativity. Through mesmerizing performances and exhibitions, it transports the audience into a world of tradition, innovation, and storytelling. The fest fosters a sense of community, leaving a lasting impact on all who experience its magic and reminding us of the transformative power of art.



19th May

3D Printing

3D

Online Workshop



The banner features the logos of the Government of Maharashtra, Institution's Innovation Council, and NAAC. The text reads: 'Maharashtra Institute of Technology, Chh. Sambhajinagar (An Autonomous Institute) Invites you for Online Workshop on "Prototype/Process Design and Development"'. It identifies the keynote speaker as Dr. Dattatraya Parle, Technical Leader at the Advanced Manufacturing Research Centre, Sheffield, UK. It provides the date and time (19th May 2023, 2:00 PM), registration and session links, and notes that the workshop is organized by the Department of Mechanical Engineering in association with the Institution's Innovation Council.

On 19th May Online Workshop on prototype process design and development was conducted by the Department of Mechanical Engineering in association with Institution's Innovation council. The speaker of this workshop was Dr. Dattatray Parle. He is a technical leader in Advance Manufacturing Research Center, Sheffield UK. He guided students about the advance manufacturing processes in industry like 3D printing.

Creativity spot

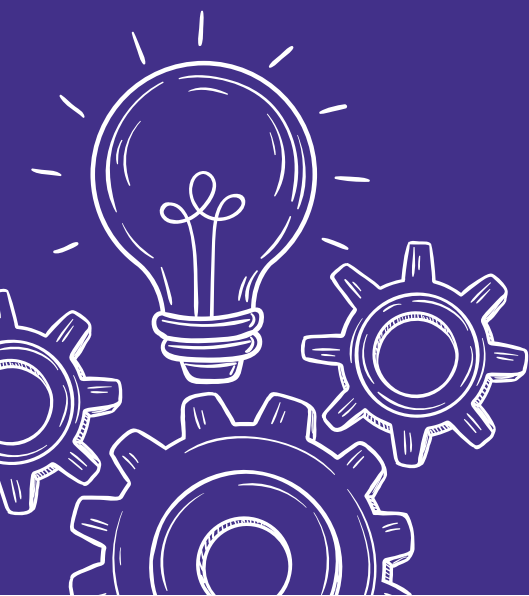


**Creative sketches by
Mr. Mayur Dhage of third year**

ARTIFICIAL INTELLIGENCE

Everyday and potential use

A few examples of how we already use AI and the possibilities it offers



FUN FACTS

characters:

1. Sakshi
2. Tejas
3. Gauri
4. Aboli

The term "robot" was first introduced by Czech writer Karel Capek in his play "R.U.R." (Rossum's Universal Robots) in 1920. The word "robot" is derived from the Czech word "robota," meaning "forced labor" or "work." ____

Who Introduced the term Robot ??



Tell me some facts about cars !!!

The average car has about 30,000 parts, including the engine, transmission, suspension, and electrical systems, all working together to provide transportation. ____



And what about ISS ??

The International Space Station (ISS) travels at an astonishing speed of approximately 28,000 kilometers per hour (17,500 miles per hour) and orbits the Earth every 90 minutes.



And about Human Body !!

The average human produces about 25,000 liters (6,604 gallons) of saliva in their lifetime. Mechanical engineers design pumps and systems to handle and transport fluids, including saliva. ____

