

Mechanical

ENGINEERING

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Vision of the Institute

To be an eminent centre for Academia, Industry and Research by imparting knowledge, relevant practices and inculcating human values to address global challenges through novelty and sustainability.

Mission of the Institute

IM1. To create next generation leaders by effective teaching learning methodologies and in still scientific spark in them to meet the global challenges.

IM2. To transform lives through deployment of emerging technology, novelty and sustainability.

IM3. To inculcate human values and ethical principles to cater the societal needs.

IM4. To contribute towards the research ecosystem by providing a suitable, effective platform for interaction between industry, academia and R & D establishments.

IM5. To nurture incubation centres enabling structured

Vision of the Department:

To Excel in the emerging areas of Mechanical Engineering by imparting knowledge, relevant practices and inculcating human values to transform the students as potential resources to cater the needs of the industries and society in order to uphold the sustained manufacturing activities.

Mission of the Department:

- DM1:** To provide strong fundamentals and technical skills in Mechanical Engineering through effective teaching learning Methodologies.
- DM2:** To transform lives of the students by fostering ethical values, creativity and innovation to become Entrepreneurs and establish Start-ups.
- DM3:** To habituate the students to focus on sustainable resources with optimal usage to ensure the welfare of the society.
- DM4:** To provide an ambience for research through collaborations with industry and academia.

Program Educational Objectives (PEOs)

Graduates will be able to

PEO1. Contribute to the industry as an Engineer through sound knowledge acquired

In core engineering to develop new processes and implement the solutions for industrial problems.

PEO2. Establish an organization / industry as an entrepreneur with professionalism, leadership quality, teamwork, and ethical values to meet the societal needs.

PEO3. Create a better future by pursuing higher education / research

Program Specific Outcomes (PSOs)

S.No	Programme Specific Outcomes
PSO1	To analyse, design and develop solutions by applying the concepts of Engineering Design for societal and industrial needs.
PSO2	To create innovative ideas and solutions for real time problems in Manufacturing sector by adapting the emerging technologies and modern tools.

Internships

Students have done their internships in the following companies

- ✚ Internshala.
- ✚ Codespeedy Tech Pvt. Limited.
- ✚ PAN Tech Prolab India Pvt Ltd.
- ✚ Verzes
- ✚ National Skill and Development India.
- ✚ Tact Labs.
- ✚ JRC Engineering.
- ✚ IIT Madras.
- ✚ Abyom Space Tech and Defense Pvt Ltd.
- ✚ Aashman Foundations.
- ✚ Creativegenic Solutions.
- ✚ Ashok Leyland.
- ✚ Sky Rider Institutions.
- ✚ BOSCH.
- ✚ Sampson's Plastic Industries.
- ✚ APSIS Solutions.
- ✚ Komatsu India Pvt Limited.
- ✚ Inventrom Pvt Ltd Bolt IOT.
- ✚ L&T Construction

INTERNSHIP

IIT MADRAS
IIT MADRAS



IIT MADRAS
Indian Institute of Technology Madras

The Indian Institute of Technology Madras is known both nationally and internationally for excellence in technical education, basic and applied research, innovation, entrepreneurship and industrial consultancy. A faculty of international repute, a highly motivated and brilliant student community.



L&T CONSTRUCTION



Larsen & Toubro Ltd, commonly known as L&T, is an Indian multinational conglomerate, with business interests in engineering, construction, manufacturing, technology and financial services, headquartered in Mumbai. The company is counted among world's top five construction companies.

INDUSTRIAL VISIT

IP RINGS Ltd.
IP RINGS LTD.



IP Rings Ltd., India's pioneer and leader in Specialty Steel Piston Rings, established in 1991 and has technical and equity participation with Nippon Piston Ring Co. Ltd. (NPR), Japan – World leaders in Piston Ring Technology. IP Rings is a front line automotive components manufacturer, specializing in the production of piston rings in high carbon high alloy steels and nodular iron with a variety of surface coatings that find application in present day high performance low emission engines.

CHENNAI HEATREATERS Pvt. Ltd

CHENNAI HEATREATERS Pvt. Ltd



Chennai Heatreaters Private Limited started in the year 2004 as a commercial heat treatment shop. The founder of the Organization having well knowledgeable and vast experience in the field of Manufacturing Engineering and Metallurgical Processes. Having the strong work force with strong Technical background in Metallurgy, Electrical, Instrumentation and Quality System Management. All our furnaces are made by HIGH TEMP Bangalore. They are renowned furnace manufacturer in Asia and India.

WORKSHOPS

COMPUTATIONAL FLUID DYNAMICS



Computational fluid dynamics (CFD) is a branch of fluid mechanics that uses numerical analysis and data structures to analyze and solve problems that involve fluid flows. Computers are used to perform the calculations required to simulate the free-stream flow of the fluid, and the interaction of the fluid (liquids and gases) with surfaces defined by boundary conditions. With high-speed supercomputers, better solutions can be achieved.



**Computational
Fluid
Dynamics**

UNMANNED ARIEL VEHICLE (UAV)



Unmanned Aerial Vehicle (UAV), popularly known as Drone, is an airborne system or an aircraft operated remotely by a human operator or autonomously by an onboard computer. UAV based Remote Sensing (UAV-RS) is the new addition to the North Eastern Space Applications Centre (NE-SAC) for large-scale mapping and real time assessment and monitoring activities of various applications.(UAV)



GALLERY

Takashila



Women's Day



Graduation Day



E-Baja

