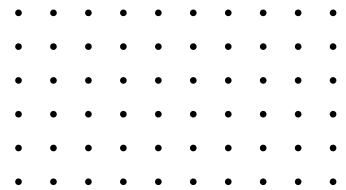


PLACEMENT BROCHURE

MTech in Smart Manufacturing



INDIAN INSTITUTE OF SCIENCE



2024-2025

Placement Procedure for Recruiters

<https://occap.iisc.ac.in/index.php/placement-procedure/>



ABOUT IISC

"IISc Bangalore ranks 1st in India in the latest NIRF Rankings and 211th in the world in the latest QS world university rankings 2025. It is the global leader in the Citations per Faculty (CpF) index. IISc is also the No. 1 ranking university in India's NIRF university rankings as well as the No. 1 ranking Research Institute."

ABOUT SMART MANUFACTURING

The MTech programme at the Department of Design & Manufacturing is offered in partnership with faculty members from over twelve departments of IISc.

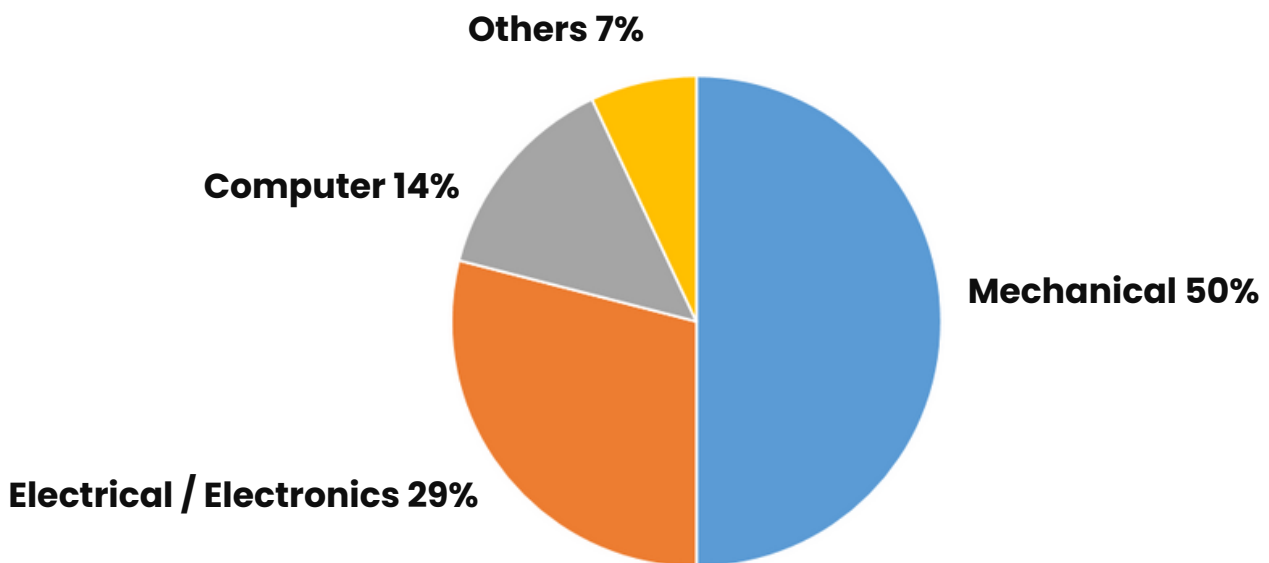
The course is designed in response to INDUSTRY 4.0 initiatives of GOI to create future leaders in the area of SMART MANUFACTURING & by integrating manufacturing with Smart Systems, AI, and Data Science.

It contains a challenging mix of courses and projects in digital manufacturing, materials, mechanical design, design methodology, CAD, PLM, sensors, mechatronics, AI, analytics, machine learning, operations management, etc. to train students in the technology behind advanced manufacturing at various scales of systems (process, machines, factories, enterprises) and production, as well as in innovating new manufacturing processes and systems that blend the soft and the hard skills to solve problems related to manufacturing industry.

BATCH PROFILE

Strength = 14

Background



COURSES

Hard Core :

- *Basics of Computing, AI & Data Science for Design & Manufacturing*
- *Digital Manufacturing*
- *Operations Management*
- *Sensors and Transducers*
- *Creative Engineering Design*
- *Materials and Processes*

Soft Core:

- *Design for IoT*
- *Data Analytics/Data Mining*
- *3D Printing and Additive Manufacturing*
- *Human-Computer Interaction*
- *Human Machine Interaction*
- *Embedded Systems*
- *Intelligent Mobile Robots*

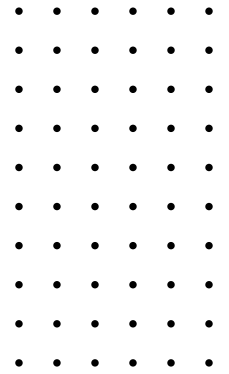
Institute Electives :

- *Edge AI*
- *Motion Planning for Autonomous Systems*
- *Control Systems Design*
- *Machine Learning for Data Science*
- *Semiconductor Physics*
- *Digital Signal Processing*
- *Operating Systems*



DOMAINS

- *Digital Manufacturing & Industry 4.0*
- *AI-ML-Data Analytics*
- *Digital Twins / Predictive Maintenance*
- *Embedded Systems*
- *Additive Manufacturing*
- *Robotics and Automation*
- *AR-VR-MR*
- *Operations Management*
- *Construction 4.0*



FACILITIES



- **Smart Factory**
- **Embedded & IoT Lab**
- **AR-VR & Digital Twin Lab**
- **Robotics and Innovation Centre**
- **3D Printers for Rapid Prototyping**
- **Computing with Graphics Workstation**
- **CEFC Setup under Samarth Udyog Bharat 4.0**

FELLOWSHIPS OFFERED



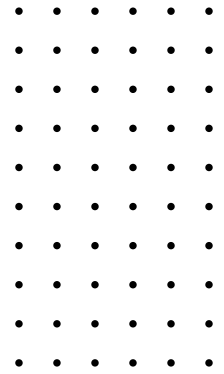
OUR PAST RECRUITERS



Mercedes-Benz



CONTACT US



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Placement Procedure for Recruiters

<https://occap.iisc.ac.in/index.php/placement-procedure/>

For More Details

<https://cpdm.iisc.ac.in/cpdm/mtechsm.php>