

INDIAN INSTITUTE OF TECHNOLOGY PATNA



# PLACEMENT BROCHURE

M.TECH. 2023-2024

Master in Technology

Mechanical Engineering

Department of Mechanical

Engineering

Indian Institute of Technology

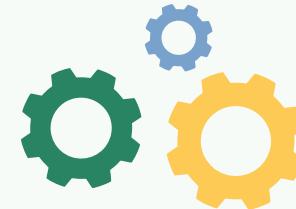
Patna

TRAINING AND PLACEMENT CELL  
IIT PATNA



TRAINING AND PLACEMENT  
CELL  
IIT PATNA

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## **FROM HOD'S DESK**

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**Dr. Mayank Tiwari**  
**Professor & HOD**  
**Department of Mechanical**  
**Engineering**

**Dear Recruiters,**

The Department of Mechanical Engineering at IIT Patna facilitates not only the academic but also looks towards the overall development of their student. Students here are known throughout India for enthusiastic participation in professional organizations and events such as BAJA, SUPRA SAEINDIA, ROBOCON. Masters program in Fluids & Thermal and Manufacturing was started in 2014 & 2016, respectively, to provide a platform for innovative research and quality education. Consequently, the program has gained popularity and has become one of the most successful master's degree programs at IIT Patna. We revise our curriculum according to the need of today's research and industry applications. The primary focus of our curriculum is to convey technical know-how to students, promote their problem-solving skills and instill in them the abilities required to make them successful innovators. The department lays great emphasis on research and development. The department works in collaboration with well-known research institutes, industry partners, and various government agencies.



## THE VISION

The Department of Mechanical Engineering at the Indian Institute of Technology Patna aims to engage in the frontiers of the field and channelize the state-of-the-art knowledge to train personnel who can solve problems of relevance to the society at large. While imparting high quality education, emphasis is being imparted on taking up innovative ideas from concept stage to final product development stage via the route of basic technology research, feasibility studies, technology improvement, demonstration and product development.



## THE DEPARTMENT

The personnel in the Department venture in diverse multidisciplinary fields, including surface engineering, soft-tissue mechanics, non-traditional manufacturing, laser material processing, condition monitoring, biomedical robotics, biomedical bone drilling, computational mechanics, fracture, finite element modeling, composites, fire, micro- and nano-scale heat transfer, boiling, condensation, two-phase flows, refrigeration and air-conditioning, computational fluid dynamics, colloids and interfacial science, soft computing, and microgravity, among others. Such activities are aptly supported by around 20 state-of-the-art research cum teaching laboratories. Significant numbers of patents and publications in various top multidisciplinary journals is an evidence of the flourishing research environment in the department. The department has received more than 20.0 crores of funding support in terms of sponsored projects and consultancy works from various Government and Industry agencies, including the Aeronautics Research Development Board (ARDB), Board of Research in Nuclear Science (BRNS), Defence Research Development Organization (DRDO), Department of Electronics and Information Technology (DeITY), Department of Science and Technology (DST), General Electric (GE), TATA Steel, and Indian Space Research Organization (ISRO), among others .



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# FACULTY MEMBERS



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INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI



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# FACULTY MEMBERS



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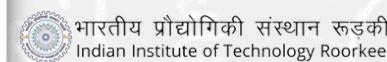
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IIT  
Kanpur



## WHY RECRUIT US

### Consistently at the Top

IIT Patna stands out as one of the top institutes in the field of research and engineering since two decades.

### World-Class Infrastructure

Experience cutting-edge facilities and resources at IIT Patna, designed to foster a world-class learning and research environment.

### Industry Interactions

IIT Patna fosters strong connections with industry leaders through regular interactions, providing students with invaluable opportunities for networking and real-world experience.

### Internationally Competitive Faculty

Our internationally competitive faculty at IIT Patna brings a wealth of diverse experiences and expertise to our classrooms and research labs, providing students with a truly global education.

### Inter-Disciplinary Training

At IIT Patna, we believe that innovation often happens at the boundaries of traditional disciplines. That's why our Mechanical Department offers Inter-Disciplinary Training, where students can collaborate across fields and gain a comprehensive skillset for the challenges of tomorrow.

### Outstanding Student Body

IIT Patna's Mechanical Department boasts an exceptional student body that consistently stands out. With a passion for excellence and a drive for innovation, students are shaping the future of mechanical engineering.

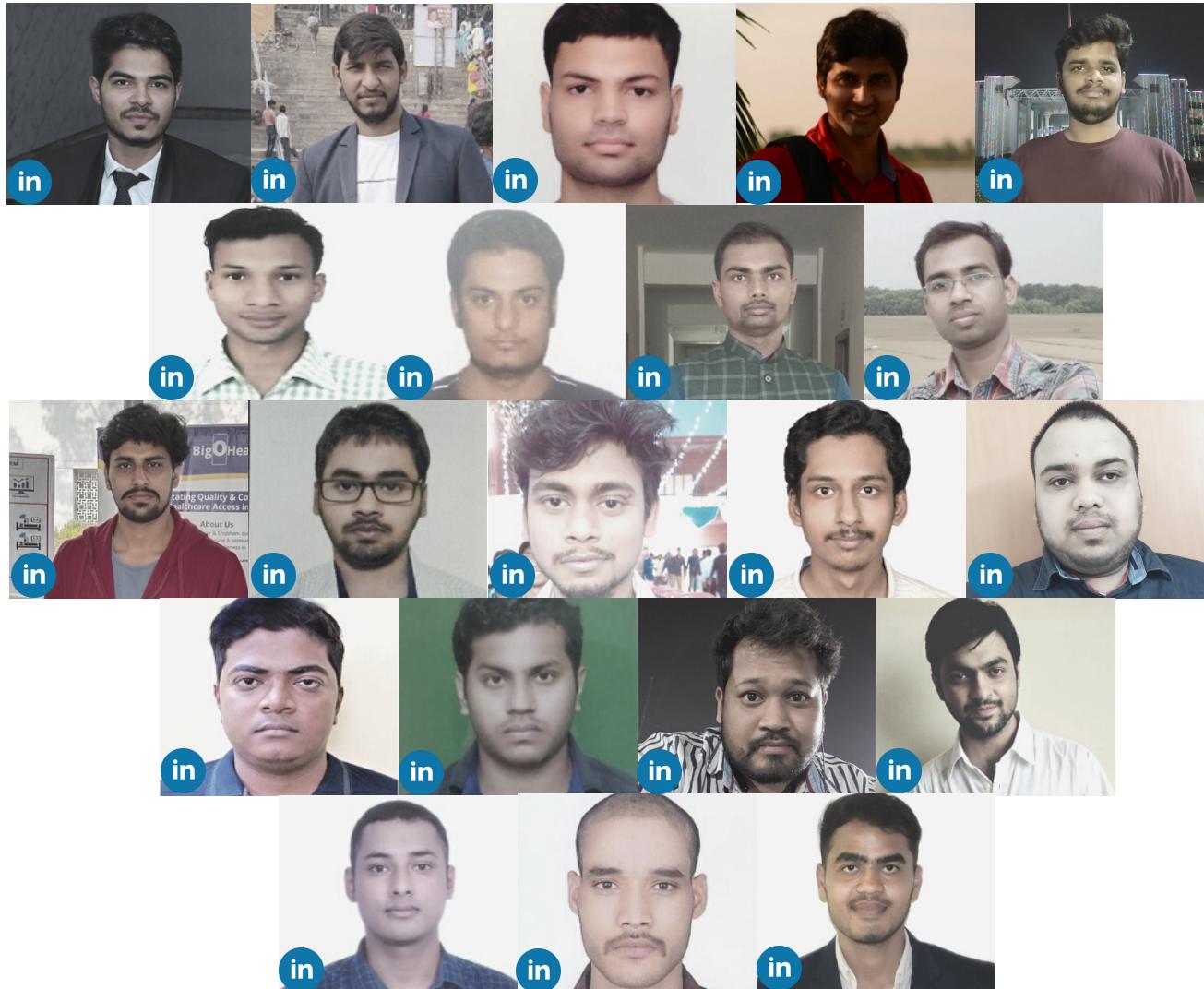
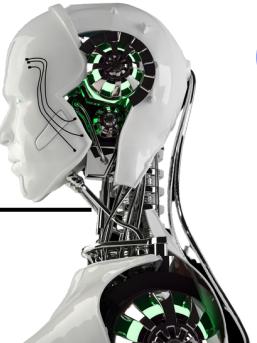
### Research Projects

IIT Patna is at the forefront of cutting-edge research with diverse projects in design, Manufacturing, Thermal, and mechatronics fields. Our researchers are making significant contributions to the advancement of science and technology and addressing some of the most pressing global problems and challenges.

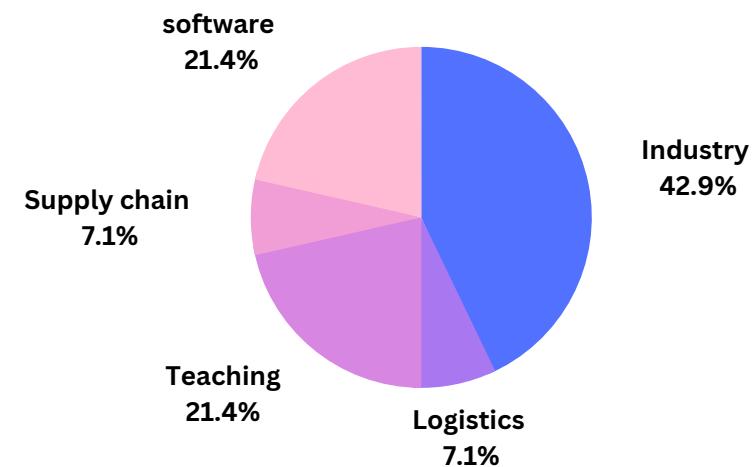


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## BATCH OF 2022-24



The batch of 2022-24 of MTech Mechanical has 21 students with different career exposure.





## TRAINING AND PLACEMENT CELL IIT PATNA

## SKILLSET



IIT Patna's Mechanical MTech program produces exceptional graduates with a diverse set of skills in the field of Mechanical Engineering. Our students possess expertise in various areas, including design software, thermal analysis, and manufacturing systems. Additionally, they have a deep understanding of programming, machine learning, and deep learning. With these skills, our graduates are well-prepared to take on the industry's challenges and make valuable contributions to their prospective organizations.





## LAB FACILITIES



### Lab Facilities

Our mechanical engineering laboratories are equipped with cutting-edge technology, allowing students to gain practical experience in areas such as materials testing, thermodynamics, fluid mechanics, manufacturing, and mechatronics. Our labs feature a range of sophisticated and state-of-the-art equipment.

In addition to core labs, we have specialized labs dedicated to robotics, mechatronics, microfluidics, computational fluid dynamics, and advanced manufacturing. Our labs are staffed by experienced faculty and technicians, who are always available to guide and mentor students as they undertake their experiments.

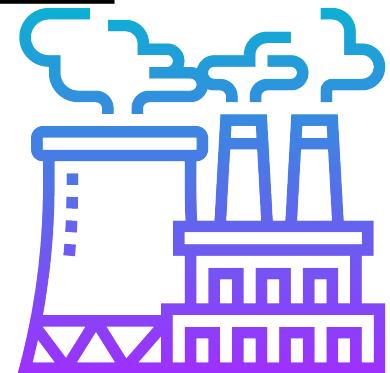
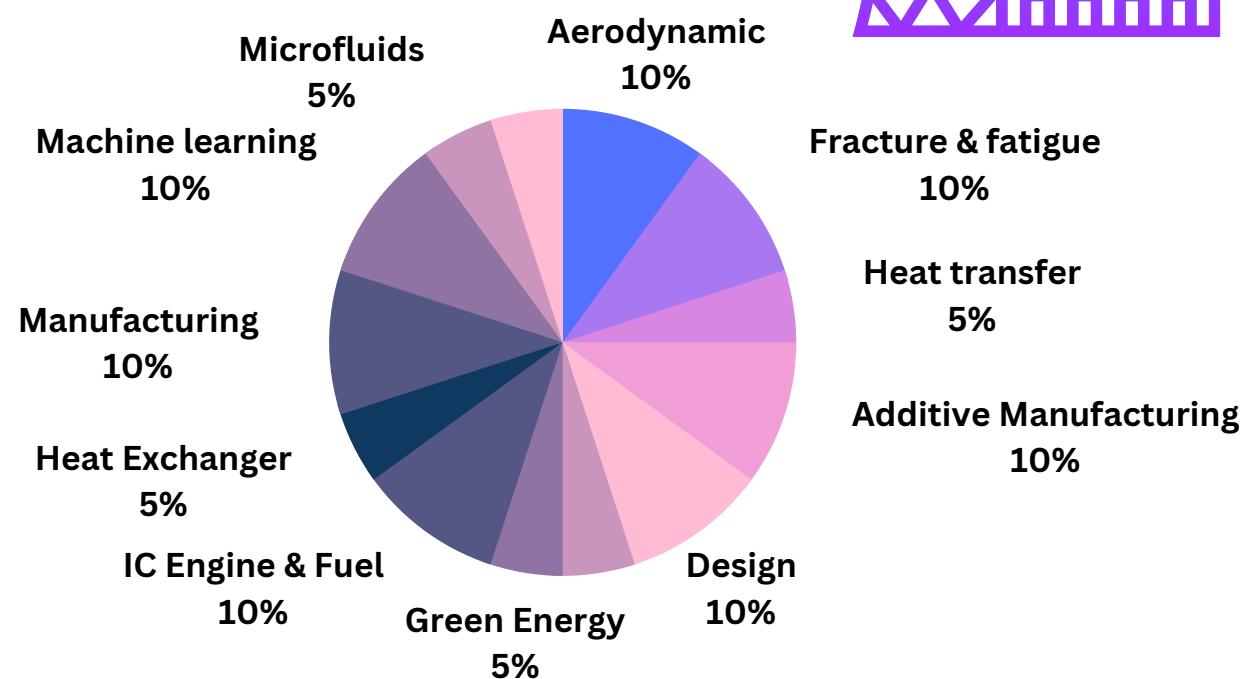


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IIT Patna's Mechanical Department is proud to have M.Tech students making significant contributions to various research projects. Our students are involved in multiple research areas, including design, thermal engineering, manufacturing, machine learning, robotics, and biomedical engineering, providing them with a unique and interdisciplinary set of skills.

Our M.Tech students in the Mechanical Department are passionate about pushing the boundaries of knowledge and innovation. They work on cutting-edge research projects, collaborating with faculty members and industry partners to develop novel solutions that can make a real-world impact. By working on interdisciplinary projects, our students gain a broad range of skills and knowledge, which trains them in solving a wide range of industry and research problems.

## ONGOING PROJECTS





# RECRUITERS, SPONSORS, AND COLLABORATORS

## RECRUITERS & SPONSORS



## COLLABORATORS



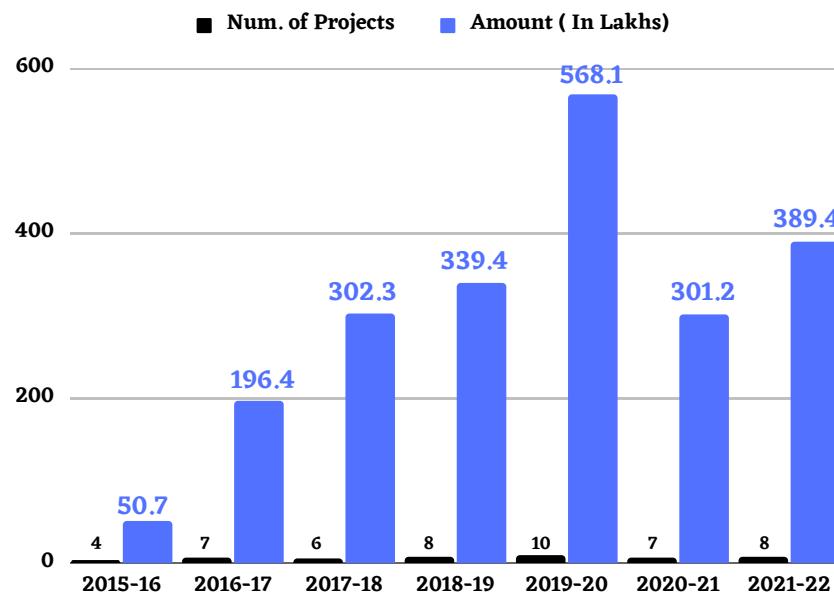
Top Government and Private companies and organizations across the globe collaborate with us in sponsoring research projects and recruiting our highly skilled students. Our research students have a proven track record of success and are equipped with the necessary skills and knowledge required to excel in the industry

We have collaborated with some of the world's top universities, including other IITs and the Indian Institute of Science (IISc). Our partnerships allow us to offer our students access to cutting-edge research opportunities and state-of-the-art facilities and to interact with world-renowned faculty.



## TRAINING AND PLACEMENT CELL IIT PATNA

Our alumni have gone on to achieve great success in a wide range of industries, including railway, automotive, energy, and manufacturing, among others. They have made important contributions to their respective fields, serving as leaders, entrepreneurs, and innovators.



## ACHEVEMENTS & ALUMNI



**Vishal Yadav**  
Deputy Director, Indian Railways



**Prashant Luhana**  
Education Consultant @ MHRD



**Devanshu Ganatra**  
Revenue Director, Treebo Hotels



**Arpit Bansal**  
Co-founder, Academic Head & COO @ToppersNotes

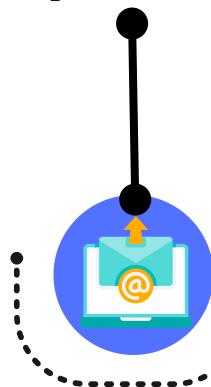
IIT Patna's Mechanical Department is at the forefront of cutting-edge research, with a strong focus on innovation and practical applications. The department has secured significant research funding, which has enabled faculty members to pursue high-impact research projects. The department has also published numerous research papers in top-tier journals and filed several patents, demonstrating its commitment to producing original and impactful research. With a rapidly increasing rate of research projects, the Mechanical Department at IIT Patna is poised to continue pushing the boundaries of scientific knowledge and making significant contributions to the field of mechanical engineering.



# PLACEMENT PROCEDURE

## 1 - INVITATION

The TPC sends invitation to the companies



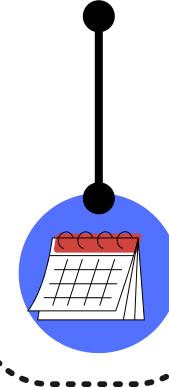
## 2 - FILLED UP JAF

The company filled up Job Application Form (JAF)



## 3 - PLACEMENT TALK SCHEDULE

The date of placement talk is finalized by TPC in consultation with companies



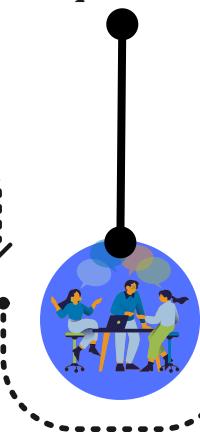
## 4 - STUDENT REGISTRATION

students register for different companies



## 5 - PLACEMENT TALK

Companies officially conduct placement talk



## 6 - PLACEMENT SCHEDULE

A placement schedule is finalized by TPC in consultation with companies



## 7 - PLACEMENT SESSION START

placement session begins and companies evaluating students



list of selected students along with the offer letter is send to the TPC. Placement session ends



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**Dr. Ashwani Assam**

**Professor-in-Charge**

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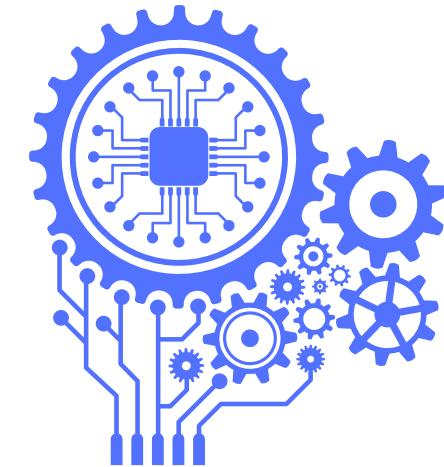
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**Mr. Kripa Shankar Singh**

**Training and Placement Officer**

**Training and Placement Cell, IIT Patna**

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WE LOOK FORWARD TO WELCOMING  
YOU ON BOARD AND MAKING A  
VALUABLE ADDITION  
THANK YOU  
FOR  
CONSIDERING US

Design:  
Saurabh &  
Shyam

