

# IITJ

## DEPARTMENT OF MECHANICAL ENGINEERING

Invites applications for **MTech-PhD dual degree** and **PhD program** in the domains of **Advanced Manufacturing, Thermofluids, and Design**

## Department's Vision



Our vision is to advance the research and innovation to address the challenges of socio-economic and human resource development. The Department of Mechanical Engineering is committed to conduct cutting-edge research by highly-qualified, expert Faculty Members in the pursuit of excellence. The department is currently inviting applications for **MTech-PhD dual degree**, and **PhD** in Mechanical Engineering under three major domains of **Advanced Manufacturing, Thermofluids, and Design**.

**Research Areas:** Smart manufacturing, Additive manufacturing, Ultra-precision finishing, Welding, Artificial Intelligence and machine learning, Smart Healthcare, Nano-sensors, Multi-phase flows, Fluid-structure interactions, High speed flows, Hydrogen energy, Gas turbines, Vibration and acoustics, Robotics and automation, Computational solid and fracture mechanics.



**Application deadline**  
**20 April 2025**

**How to apply**



**Faculty Profiles**



## Why to join PhD @ME, IITJ

- Learn from world class faculty members recruited from the best institutions.
- Opportunity to apply for prestigious Prime Minister Fellowship.
- Financial support for attending international conferences/ workshops abroad.
- Interdisciplinary research opportunities to work with industries, government organizations and foreign universities.
- State-of-the-Art research facilities such as research labs, workshop, high performance computational facility, central library, and incubation center.
- Individual air-conditioned student hostel rooms.
- Vibrant campus life enriched with diverse cultural, sports, and social activities.

## Contact

In case of any query, candidates may contact:

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