



## DEPARTMENT OF MECHANICAL ENGINEERING

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

for admission in AY 2025-26  
Semester I

## 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 **PhD** in Mechanical Engineering within 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, UAV, Fluid-structure interactions, High speed flows, Hydrogen energy, Gas turbines, combustion, Vibration and acoustics, Robotics and automation, Computational solid and fracture mechanics.



**Application deadline**  
**26 June 2025**

### How to apply



### Faculty Profiles



## Why to join PhD @ME, IITJ

- Learn from world class faculty members recruited from the best institutions.
- CFTI B.Tech. students with CGPA  $\geq 8.0$  are eligible for direct PhD without GATE requirement.
- 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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