



## Discipline of Mechanical Engineering

Indian Institute of Technology Indore

Khandwa Road, Simrol

Indore 453 552

IIT  
Indore

### PhD Program in Mechanical Engineering Discipline

*The purpose of education is to replace an empty mind with an open one.*

*Educating the mind without educating the heart is no education at all.*

These great sayings cue the Discipline of Mechanical Engineering in putting a wholesome effort in instilling the worth of knowledge among the students. The Discipline along with its strong faculties, on behalf of IIT Indore, an academic platform of international repute, is dedicated to the service of training and building educated minds, confident to work and excel in their respective fields in future. We invite applications from high calibre, sincere and research-oriented students for admission to the PhD Program. The vacancies are available in the following areas:

Sr. No.	Specialization	Research Areas
1	<b>Thermal Engineering</b>	<ul style="list-style-type: none"><li>• Combustion and Spray</li><li>• Computational Fluid Dynamics</li><li>• Heat Transfer in Porous Media</li><li>• Phase Change Materials</li><li>• Heat Sinks</li><li>• Numerical Modeling</li></ul>
2	<b>Production Engineering</b>	<ul style="list-style-type: none"><li>• Additive manufacturing of high melting point materials</li><li>• Profile and flank crowning of gears using ECH or PECH process</li><li>• Micro and meso gear manufacturing using advanced manufacturing processes</li><li>• Mechatronics System Design</li><li>• Laser Processing</li><li>• Developmental analysis and process control of Additive Manufacturing</li><li>• Laser micromachining of brittle materials</li></ul>
3	<b>Design Engineering</b>	<ul style="list-style-type: none"><li>• Mobile Robotics</li><li>• Underwater Robotic Vehicles</li><li>• Robust and Adaptive Motion Control</li><li>• Condition Monitoring</li><li>• Noise and Vibration</li><li>• Signal Processing of Mechanical Systems</li></ul>

**A. Categories of Admission:** Please refer the main PhD Advertisement of the Institute (<http://academic.iiti.ac.in/phdadvt.php>)

**B. Eligibility for Indian Students:** Please refer the main PhD Advertisement of the Institute (<http://academic.iiti.ac.in/phdadvt.php>)

**C. Eligibility for International Students:** Please refer the main PhD Advertisement of the Institute (<http://academic.iiti.ac.in/phdadvt.php>)

After submitting the application online, the eligible International candidate needs to send the signed hard - copy of the application along with recent photograph, self-attested relevant certificates and Statement of Purpose (SOP) to the DPGC Convener of ME Discipline latest by June 15, 2018.

**D. Last date of online application (for Indian as well as International Students):** May 31, 2018 (Thursday)

*Applicants are encouraged to visit our website (<http://me.iiti.ac.in/>) to gain more information about the Faculty Members and their research areas*

**E. Application Procedure and General Information for Indian Students:**

- [1] Candidates must apply ONLINE through the website (<http://academic.iiti.ac.in:8080/nregistration.jsp>).
- [2] Application Fee: Rs. 100/- (INR) to be paid through State Bank Collect only (<https://www.onlinesbi.com/prelogin/icollecthome.htm>). Candidate needs to produce payment slip at the time of written test/interview.
- [3] Candidates need NOT send the hard copy of the submitted online application by post or courier. The candidate should submit the signed application at the time of written test/interview.
- [4] Mere eligibility will not vest any right on any candidate for being called for written test/interview. The decision of the Discipline in all matters will be final.
- [5] Candidates need NOT to apply against this advertisement who have not been selected in the previous rounds of selections in the past 1 year.
- [6] The shortlisted applicants will be called for written test/interview via email only.
- [7] No TA/DA will be provided to the applicants, if called for the written test/interview.

The candidates can contact the DPGC convener for further information on following address:

[admission-me@iiti.ac.in](mailto:admission-me@iiti.ac.in)