



Indian Institute of Technology Indore

Discipline of Mechanical Engineering

Advertisement for PhD Program in Mechanical Engineering Discipline

Discipline of ME invites applications from high calibre, sincere and research-oriented students for admission to the PhD Program. They should possess strong background in **Mechanical Engineering** as well as good communication skills both written and oral. The vacancies are available in the following areas:

- Combustion
- Computational Fluid Dynamics (Non-Newtonian fluid mechanics; Viscoelastic fluid flows; Flow and heat transfer in Porous Media; Biofluid Mechanics; Nanofluids for heat transfer enhancement; Solar Energy; Bluff body flows; Lattice Boltzmann simulations)
- Heat Transfer

Categories of Admission:

- **FA** (Fellowship Awardee): Fellowship Awardees or those working in a Sponsored Research Project with a faculty from IIT Indore being PI of the project with Scholarship as per the rules of the Funding agency.
- **TA** (Teaching Assistantship): Teaching Assistantship with scholarship as per MHRD guidelines.
- **SWF** (Sponsored full-time) **or SWP** (Sponsored part-time) (Without Institute scholarship): Sponsored from a reputed Industrial or Research organization.
- **EC** (External Category): Officials sponsored by Central Government, State Government, and PSU
- **IS** (Institute Staff, Part-Time only): Without any scholarship from the Institute

Last date: One month from the date of advertisement published.

Eligibility

- [1] Minimum first class* Master degree in the relevant discipline of the Engineering/ Technology, OR
- [2] Minimum first class* Bachelor degree in the relevant Engineering/ Technology discipline from a reputed Institute with a **valid GATE score**, OR
- [3] B. Tech. degree from an Indian Institute of Technology (IIT) with a minimum CPI of 8.0, OR
- [4] Minimum first Class* Master degree in the relevant discipline of Engineering with **valid GATE** qualification OR
- [5] **UGC/CSIR-JRF** qualification OR equivalent fellowship (**DST Inspire** fellowship holder)

* The first class is defined as

- 60 % marks for GEN/OBC (55% for SC/ST) category in aggregate, *OR*
- CPI/CGPA of 6.0 for GEN/OBC (5.5 for SC/ST) category on the scale of 10; with corresponding proportional requirements when the scales are other than on 10 (for example 4.8 for GEN/OBC category (4.4 for SC/ST) on a scale of 8), *OR*
- A first class as specified by the University/Institute awarding the degree.

Application Procedure

- [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 (<https://www.onlinesbi.com/prelogin/icollecthome.htm>) or through a Demand Draft (DD) drawn in favor of “**Registrar, IIT Indore**” payable at “**Indore.**”
- [3] The hard copy (signed) of the submitted online application along with the following items must be sent to the below-mentioned address for correspondence within one week after the online submission.
 - State Bank Collect receipt (or Demand Draft)
 - Recent photograph
 - Self-attested relevant copies of (i) mark sheets and certificates from bachelor degree onwards, and (ii) award/experience certificates and publications (if any). Additional document for SW candidates: No Objection Certificate, Experience Certificate, last 3 months salary slip and Employer’s PAN card.
 - Statement of purpose explaining why the candidate would like to pursue the PhD in a specific area (maximum one page)
- [4] The candidate must write his/her name, Discipline of Mechanical Engineering and the Application Number on the back side of the Demand Draft.
- [5] The envelope of the application must clearly mention “***Application for Admission to Ph.D. Program in the Discipline of Mechanical Engineering***”
- [6] The date of written test and interview will be communicated to shortlisted applicants via email only.

Please send the Application Package to:

Mr. Kailash Patel
Deputy Manager, CAD Lab
203B, POD 1B
Discipline of Mechanical Engineering
Indian Institute of Technology (IIT) Indore
Simrol, Indore 453552, India