

PhD Admission 2024 (Quarter-3)



Department of Mechanical Engineering, IIT Indore, India

Announces admission to PhD Programme (AY 2024-2025) for Indian and International Students

[Apply online](#)



Department of Mechanical Engineering, IIT Indore, India invites applications from highly motivated and research-oriented **national** and **international** students for admission to its PhD program for the Autumn Semester of Academic Year (AY) 2024-25.

Candidates can visit the department website for more details about the ongoing research (<http://me.iiti.ac.in/>) before applying.

Application open

August 13, 2024

Application Closes

August 30, 2024

RESEARCH AREAS

1

**THERMAL SCIENCE
AND ENGINEERING**

2

DESIGN ENGINEERING

3

**MANUFACTURING
AND INDUSTRIAL
ENGINEERING**

Admission Categories

Indian Applicants

- ▶ FA - Fellowship Awardee
- ▶ FAP - Fellowship Awardee (Project)

International Applicants

- ▶ International Self-financing
- ▶ International Sponsored by Industry/NGO
- ▶ International Sponsored by Government Organization

For more information visit <http://academic.iiti.ac.in/phdadvt.php>

A. **Categories of Admission****Indian Students:**

- ▶ FA (Fellowship Awardee)
- ▶ FAP (Fellowship Awardee - Project) - See **Annexure-1** for the list of Projects.

International Students:

- ▶ ISF: International Self financing
- ▶ ISW: International Sponsored by Industry or NGO
- ▶ GSW: International sponsored by Govt. organization (ICCR/Foreign Govt. Scholarship)

For more details about the categories, please visit <http://academic.iiti.ac.in/phdadvt.php>.

B. **Eligibility for Indian and international Students**

| Minimum Educational Qualifications (MEQs) and Qualifying Examination (QE) for INDIAN applicants | Minimum Educational Qualifications (MEQs) & Qualifying Examination (QE) for INTERNATIONAL applicants |
|--|---|
| <ul style="list-style-type: none"> • B.E/B.Tech. Mechanical Engineering, Metallurgy, Automobile Engg; Marine Engineering; Ceramic Engineering; Materials Engineering, Manufacturing Engineering, Industrial Engineering, Reliability Engineering Production Engineering, Materials Science Engineering, Aerospace Engineering, Chemical Engineering, Biotechnology, Biomedical Engineering or any other field of Engineering/Technology <li style="text-align: center;">& • Masters' degree in the Mechanical Engineering/ Technology/ Metallurgy Engineering/ Energy Systems Engineering; Energy and Environment; Energy Engineering; Automobile Engineering; Thermal Engineering; Heat Power; Energy Materials, Fluids & Thermal Engineering, Cryogenics & Vacuum Technology, Hydraulic Engineering, Material Science and Engineering, Manufacturing Engineering, Industrial Engineering, Production Engineering, Reliability Engineering, Machine Design, CAD/CAM or any other field of Engineering/Technology with first division as defined by the awarding Institute/ University) and GATE qualification <li style="text-align: center;">Or • Four-year Bachelors degree OR five-year integrated degree in the Mechanical Engineering (with first division as defined by the awarding Institute/ University) AND valid GATE qualification | <ul style="list-style-type: none"> ▶ MEQ: Masters degree in Mechanical Engineering (with first division as defined by the awarding Institute/ University) ▶ QE: Valid TOEFL/IELTS OR equivalent qualification OR Valid GATE qualification |

C. **International Students:** For more information on eligibility, category of admission, etc., please refer to the IIT main PhD Advt. posted on <http://academic.iiti.ac.in/phdadvt.php>.

D. Application Procedure and General Information:

1. Candidates must apply ONLINE through the website (<http://academic.iiti.ac.in:8080/nregistration.jsp>). This will generate a unique application number for each applicant.
2. Application Fee:
 - Indian Applicants: 100/- Indian Rupees (non-refundable) to be paid through State Bank Collect.
 - International Applicants: US \$ 30 (non-refundable) through RTGS. Kindly refer to the main Ph.D. Advertisement of the Institute at <http://academic.iiti.ac.in/phdadvt.php> for more details about the payment procedure and course fee structure.
3. The application must be submitted online on or before the last date.
4. The application procedure is completely online. Therefore, there is no need to send hard copies of the application form and supporting documents through POST or COURIER.
5. Shortlisted applicants will be called for a written test/interview via email only. So, it is advised that the applicants mention their email id correctly.
6. Shortlisted candidates must arrange recommendation letters (in the given format only) of at least two referees well before appearing for a written test/interview. Also, they must submit a statement of purpose explaining why they would like to pursue the Ph.D. in the specific area (200 to 300 words) well before appearing for a written test/interview. Format of the “Recommendation letter” and “Statement of Purpose” can be downloaded from <https://academic.iiti.ac.in/phdadvt.php>. Referees of shortlisted candidates must send reference letters to admission-me@iiti.ac.in.
7. Candidates who are Fellowship Awardees (FA) should send a combined pdf with a letter of the fellowship award (i.e. from CSIR, UGC, DST, PMRF, etc.) along with the application form generated after applying online (form should be signed and photograph must be affixed) to admission-me@iiti.ac.in within deadline given of online application.
8. No interim correspondence whatsoever will be entertained from applicants regarding conduct and result of the selection process and reasons for not being called for an interview or selection.
9. Mere fulfilment of the essential qualifications does not guarantee admission to PhD program in the Department of Mechanical Engineering. The selection will be based on the overall performance, which may include a written test, interview, academic background, suitability for research in the chosen field/area, research aptitude, communication skills, and others.

Important Links and contact details

- ➔ Mechanical Engineering (ME) Department Website : <http://me.iiti.ac.in/>
- ➔ For all info related to PhD Admission (Indian/International): <http://academic.iiti.ac.in/phdadvt.php>
- ➔ Website where this brochure is available: <http://academic.iiti.ac.in/phdadvt.php>
- ➔ Portal for submission of online application: <https://academic.iiti.ac.in:8443/nregistration.jsp>
- ➔ Email address for general queries about PhD admission in ME Department. : admission-me@iiti.ac.in
- ➔ Portal where “Statement of Purpose” and “Recommendation letter format” is available: <http://academic.iiti.ac.in/phdadvt.php>

DPGC Convener

(admission-me@iiti.ac.in)

Department of Mechanical Engineering
Indian Institute of Technology Indore
Khandwa Road, Simrol, Indore,
Madhya Pradesh, India - 453552

Annexure - 1

List of Projects available under FAP Category

| Title | PI | Duration | Vacancy | Keywords |
|--|--|-----------|---------|---|
| Design and Development of Self-energized battery operated FEP based Tribo-electric nanogenerator coupled for machine tool condition monitoring | Prof. I.A. Palani | 3 years | One SRF | Tribo-electric Nanogenerator, Self-Energized Systems, Machine Tool Condition Monitoring, Battery-Operated Sensors |
| Leakage fault diagnosis of an ultra-high pressure axial piston pump in context of Indian light combat aircraft TEJAS | Dr. Ankur Miglani & Prof. Pavan Kankar | 1.5 years | One JRF | Leakage Fault Diagnosis, Ultra-High-Pressure Pump, Axial Piston Pump, Tejas Aircraft Maintenance |