

# PhD Admission 2024 (Quarter 4)



## Department of Mechanical Engineering, IIT Indore, India

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

[Apply online](#)



#### ! ATTENTION

All eligible candidates applying for the PhD Program can directly participate in the selection process at IIT Indore\*.

(\*Candidates who are reporting to IIT Indore must have submitted the [Online Application](#) by the closing date)

Venue: Mechanical Engineering Department Office, POD 1A, 5<sup>th</sup> Floor  
Reporting Date & Time: November 22, 2024; 9:00 hrs

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 Spring 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.

## RESEARCH AREAS

1

THERMAL SCIENCE  
AND ENGINEERING

2

DESIGN ENGINEERING

3

MANUFACTURING  
AND INDUSTRIAL  
ENGINEERING

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

### Application Open

October 23, 2024

### Application Closes

23:59 hrs, Nov. 15, 2024

### Written Test & Interview at IITI

09:00 hrs, Nov. 22, 2024

### Program starts

January 2025

#### Admission Categories

##### Indian Applicants

- ▶ Teaching Assistantship (TA)
- ▶ Fellowship awardee (FA, FAP)
- ▶ Sponsored without institute scholarship (SW)
- ▶ Institute Staff (IS)
- ▶ Defence Forces (DF)
- ▶ College Teacher (CT)

##### International Applicants

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

**List of Vacancies (Teaching Assistantship) and Research Areas: 13 Seats**

S.No	Name of Faculty Members	Area of specialization	Vacancy in this	Webpage
1	Dr. Vibhor Pandhare	<ul style="list-style-type: none"> <li>• Smart Manufacturing,</li> <li>• Cyber-Physical Systems,</li> <li>• Reliability Engineering</li> </ul>	1	<a href="https://sites.google.com/iiti.ac.in/vibhorpandhare/">https://sites.google.com/iiti.ac.in/vibhorpandhare/</a>
2	Dr. Mayank Chouksey	<ul style="list-style-type: none"> <li>• Computational Mechanics;</li> <li>• Plasticity, Micromechanics</li> </ul>	2	<a href="https://sites.google.com/iiti.ac.in/mayank">https://sites.google.com/iiti.ac.in/mayank</a>
3	Prof. Dhinakaran	• CFD & Heat Transfer	1	<a href="http://people.iiti.ac.in/~sdhina/">http://people.iiti.ac.in/~sdhina/</a>
4	Prof. Ritunesh Kumar	<ul style="list-style-type: none"> <li>• Desiccant Cooling Systems</li> <li>• Renewable Energy</li> </ul>	1	<a href="#">Department Page</a>
5	Dr. Krishna Kumar	<ul style="list-style-type: none"> <li>• Acoustics of Ducts &amp; Mufflers</li> <li>• Industrial Noise &amp; Vibration Control</li> </ul>	1	<a href="#">Department Page</a>
6	Dr. Harekrishna Yadav	<ul style="list-style-type: none"> <li>• Fluid flow, Heat Transfer</li> <li>• Renewable Energy</li> </ul>	1	<a href="#">Department Page</a>
7	Prof. Palani I.A	<ul style="list-style-type: none"> <li>• Optical instrumentation</li> <li>• Mechatronics System Design</li> </ul>	1	<a href="https://www.iiti.ac.in/people/~palaniia/">https://www.iiti.ac.in/people/~palaniia/</a>
8	Dr. Yuvraj Madhukar	<ul style="list-style-type: none"> <li>• Laser Material Processing,</li> <li>• Water Assisted Laser Processing</li> <li>• Additive Manufacturing</li> </ul>	1	<a href="http://people.iiti.ac.in/~meiiti/index.php/dr-yuvraj-kumar-madhukar/">http://people.iiti.ac.in/~meiiti/index.php/dr-yuvraj-kumar-madhukar/</a>
8	Dr. Satyanarayan Patel	• Energy conversion, storage and harvesting materials	1	<a href="https://sites.google.com/view/satyanarayan-patel/home?">https://sites.google.com/view/satyanarayan-patel/home?</a>
9	Dr. Vijai Laxmi	<ul style="list-style-type: none"> <li>• Microfluidics</li> <li>• Fluid mechanics</li> </ul>	1	<a href="#">Department Page</a>
10	Dr. Ankur Miglani	<ul style="list-style-type: none"> <li>• Combustion</li> <li>• Thermal management of electronics</li> </ul>	1	<a href="#">Google Scholar</a>   <a href="#">Department Page</a>
11	Prof. Satyajit Chatterjee	<ul style="list-style-type: none"> <li>• Composite coatings</li> <li>• Coatings Tribology</li> <li>• Solid Lubrication</li> </ul>	1	<a href="http://people.iiti.ac.in/~meiiti/index.php/dr-satyajit-chatterjee-2/">http://people.iiti.ac.in/~meiiti/index.php/dr-satyajit-chatterjee-2/</a>
		<b>Total</b>	<b>13</b>	

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

- ▶ TA (Teaching Assistantship)
- ▶ FA, FAP (Fellowship Awardee, Fellowship Awardee - Project)
- ▶ SW (Sponsored without Institute scholarship)
- ▶ IS (Institute Staff)
- ▶ DF (Defence Forces)
- ▶ CT (College Teacher).

**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 Criteria for Indian and international Students**

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

Note: **GATE** is not compulsory for DF/IS/CT/SW category applicants.

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

**E. 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 **(23:59 hrs, Nov. 15, 2024)**.
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. **All eligible candidates applying for the PhD Program can directly participate in the selection process at IIT Indore on November 22, 2024.**
6. **Eligible outstation candidates are advised to book their travel tickets immediately after submitting their online application without waiting for the interview call letter.**
7. **It should be noted that candidates who are reporting to IIT Indore must have submitted the application online & recommendation letters by the closing date. **Venue:** Mechanical Engineering Department Office, POD 1A, 5<sup>th</sup> Floor; **Reporting Date & Time:** November 22, 2024 & 9:00 hrs.**
8. 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](mailto:admission-me@iiti.ac.in).
9. SW/DF category candidates must have NOC, experience certificate, last three months salary slips, and Employer’s PAN card and along with the above documents. If a candidate is shortlisted, he/she has to submit it immediately. SW category candidates must have NOC, experience certificate, last three months’ salary slips, and Employer’s PAN card and along with above documents. If a candidate is shortlisted, he has to submit those documents immediately.
10. 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](mailto:admission-me@iiti.ac.in) within deadline given of online application.
11. GATE qualification is **not compulsory** for DF/IS/CT/SW category candidates.
12. 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.
13. 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](mailto: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](mailto:admission-me@iiti.ac.in))

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