



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 caliber, enthusiastic and research-oriented students for admission to the PhD Program. The vacancies are available in the following areas:

Sr. No.	Specialization	Research Areas
1	(Industrial Engineering) Smart Manufacturing (Project: Design and Development of Cyber Production Physical System)	<ul style="list-style-type: none">• Industry 4.0• Industrial Internet of things• Cyber Physical system• Machine to machine and machine to human communication system• Machine learning, prognostics,• manufacturing operations planning• Agent based approaches

A. Categories of Admission: Kindly 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 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: May 15, 2018 (for Indian Students); May 31, 2018 (International Students)

E. Desirable skills: knowledge of some of following areas is highly desirable.

- Probability and statistics
- Reliability engineering
- Prognostics
- Condition monitoring
- Operations planning and control
- Machine learning and data mining
- Open source programming language and development environment like- node.js, javascript, python and embedded system

All interested candidates need to apply online at (<http://academic.iiti.ac.in:8080/nregistration.jsp>) as well as submit one page write-up along with their CV to bkld@iiti.ac.in (Dr. Bupesh Kumar Lad). In one page write-up, the candidate may write about his past research work, any relevant research project done by the candidate, his idea for future research or his views on the above project based on the literature search, etc.

After carefully scrutiny of the applications based on **CV and write-up**, candidate may be called for interview. If required, some of the candidates may also go through a telephonic interview and scrutiny, before the final onsite interview. A written test may be conducted before the onsite interview, if required, for further shortlisting.

F. 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/collecthome.htm>). Candidate needs to produce payment slip at the time of written test/interview.
- [3] Candidates need NOT to submit the hard copy of the submitted online application but they need to bring 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 selected in the previous rounds of selections in the past 1 year.
- [6] No TA/DA will be provided to the applicants, if called for the written test/interview.