

Advertisement for Admission to Ph.D. Program for spring semester of AY 2017-18

IIT/Acad/PhD Admissions/Adv/EE-SV/Spring Dec 16, 2017

IIT Indore invites applications from highly motivated and research oriented students for admission for its **PhD Program** in the Discipline of Electrical Engineering as per the below mentioned categories of admission and time schedule. Candidates can join at any time of the year in the PhD program at IIT Indore. The PhD course work will start at the beginning of the semester.

Categories of Admission: Admission to Full-Time PhD program are offered under the following categories

- **FA (Fellowship Awardee):** Fellowship Awardees from the agencies such as CSIR, UGC etc. OR JRF/SRF OR with other position as a project staff working in a Sponsored Research Project (under a faculty member PI of the project) of IIT Indore. The scholarship will be as per the rules/guidelines of the concerned funding agency.
- **TA:** Teaching Assistantship with scholarship as per MHRD guidelines.
- **SW:** Sponsored from the reputed Industrial or Research organization WITHOUT any scholarship from the Institute.
- **IS:** Institute staff (part time) WITHOUT any scholarship from the Institute.

Time Schedule of PhD admission:

Last date of Online Application through http://academic.iiti.ac.in:8080/nregistration.jsp	Jan 15, 2018
Date of Written Test and/or Interview	Will be emailed to short-listed candidates

Eligibility Criterion (Qualifying Degree and Exam)

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**

BTech degree from an Indian Institute of Technology (IIT) with a minimum CPI of 8.0 **OR**

Minimum first Class* Master degree in the relevant discipline of Science with **valid GATE** qualification or **UGC/CSIR-JRF** qualification **OR** equivalent fellowship

*The first class is defined as

- (i) 60 % marks for GEN/OBC (55% for SC/ST) category in aggregate or as specified by the university/institute **OR**
- (ii) 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**
- (iii) A first class as specified by the University/Institute awarding the degree.

Instructions:

1. After the deadline, only the shortlisted candidates would be emailed regarding the interview date.
2. **No emails or communication in any form regarding shortlisted candidates, accommodation, change of interview date, syllabus of written test and/or interview etc will be entertained.**
3. The candidates must apply online through our website (<http://academic.iiti.ac.in:8080/nregistration.jsp>).
4. Application Fee: Rs. 100/- (INR) to be paid through State Bank Collect (<https://www.onlinesbi.com/prelogin/collecthome.htm>) Kindly note that documents should NOT be sent by post to IIT Indore. The date of written test and interview will be communicated to shortlisted applicants via email only.
5. Candidates who wish to appear for the PhD selection process and fulfill the eligibility criteria may also send their resume/CVs to the faculty member.
6. Mere fulfilling the eligibility will not entitle any candidate for shortlisting

<p>Dr. Srivathsan Vasudevan</p>	<p>Biophotonics lab at IIT Indore works on the development of Photoacoustic Imaging and Sensing. This is a biomedical imaging technique that is oriented towards diagnostics of many diseases at the clinical level. Some of the diseases that we would like to apply this technique are cancer diagnosis, early stage tuberculosis and blood related diseases.</p> <p>The student should have good optics / electronic background and should be willing to learn new things related to biology and electronics. The candidate would be working on the development of this imaging system which needs electronic programming (Microcontrollers / FPGA) and also sufficient hardware electronics development. We are looking for students who wish to hone their knowledge in Physics, Engineering and Software Development to deliver new tools for investigations of several biological diseases.</p> <p>This project would involve diagnosing important diseases at the hospital level. Upon completion of the project, the technique would become a product that can be used for clinical diagnosis at different hospitals. The candidate should have a flair over technology development. The candidate should be highly motivated to perform research and should be willing to spend enough times at different hospitals / research labs for the conduction of experiments. The applications of the technology in collaborations with the leading groups world-wide gives students the opportunity to be involved in advanced scientific discovery. Candidates are advised to visit http://iiti.ac.in/people/~svasudevan/ for more details on the research work.</p>
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NOTE: Please do not post the application form, bank draft and any other documents. Please refer to point number 4 of Instructions.