

# Indian Institute of Technology Indore

Simrol, Khandwa Road, Indore - 453552

Department of Computer Science & Engineering

## Advertisement for Admission to Ph.D. Program for the Academic Year 2021-2022

IITI/Acad/PhD Admissions/Adv/CSE/2021-22/03/01

October 01, 2021

IIT Indore is an eminent institute of higher education and research in India. The Discipline of CSE, IIT Indore invites applications from highly motivated and research-oriented students for admission to its **PhD Program for the Academic Year 2021-2022** as per the below-mentioned categories of admission, research areas, and time schedule. Candidates are strongly advised to visit the profiles of the faculty members at <http://cse.iiti.ac.in/faculty.php> before applying for the PhD Program.

**Categories of Admission:** TA, FA, SW, IS, DF, CT categories. Kindly refer to the main PhD Advertisement of the Institute available at <http://academic.iiti.ac.in/phdadvt.php> for more details.

**Eligibility Criteria:** Kindly refer to the PhD Advertisement of the Institute available at <http://academic.iiti.ac.in/phdadvt.php> for Minimum Educational Qualification and Qualifying Examination. **Only candidates fulfilling the Minimum Educational Qualification with CSE, IT, Electronics, and Electrical as relevant disciplines in Engineering, and GATE qualification (TA category) or CSIR-JRF/UGC-JRF or equivalent fellowship (for FA category) in the relevant discipline should apply for admission under relevant categories. For SW category, applicant must be sponsored from a highly reputed R&D organization, but the requirement of GATE, CSIR-JRF/UGC-JRF qualification may be relaxed. Candidates who wish to pursue PhD through research projects at Department of CSE, IIT Indore in FA category can also apply for this advertisement.**

### Time Schedule of PhD admission test and interview:

Last date of Online Application through <a href="http://academic.iiti.ac.in:8080/nregistration.jsp">http://academic.iiti.ac.in:8080/nregistration.jsp</a> (for both Indian and International Applicants)	November 8, 2021 (Monday)
Last date of receiving recommendations of two referees (to be sent by referees to <a href="mailto:admission-cse@iiti.ac.in">admission-cse@iiti.ac.in</a> ) (for both Indian and International Applicants)	November 9, 2021 (Tuesday)
Date of Online Interview (both Indian and International Applicants)	November 12, 2021 (Friday)

### Interview Schedule & Mode

Online interviews for the PhD admission would be conducted on **November 12, 2021** through Google Meet platform. The interview process, if required, can also be held on **November 13, 2021**. Detailed schedule regarding the interview will be intimated to the eligible/shortlisted candidates later. **For more details and latest updates, candidates are advised to regularly visit <http://cse.iiti.ac.in/>.**

### Research Areas

- **Computer Networks:** Networking, Network Security, Network Management, Wireless Sensor Networks.
- **Software Engineering:** Software Testing, Service-Oriented Systems.
- **Machine Learning and Applications:** ML Algorithms, Deep Learning, Computer Vision, Image Processing, Pattern Recognition.
- **Artificial Intelligence:** Soft-computing, Computational Intelligence, Data Mining, Big Data.
- **Hardware Security:** Design of Cryptographic Accelerators, Side-Channel Analysis, Logic Synthesis for Security.
- **Algorithms:** Numerical Methods, Game Theory, Optimization, Algorithmic Graph Theory, Computational Complexity.
- **CyberPhysical Systems:** Embedded Systems, Formal Verification, RTOS/RTK, Certification framework for Safety Assurance in Autonomous Vehicles.
- **Information Retrieval:** Natural Language Processing and Social Network Analysis, Network Science.

### Application Fee:

- **Indian Applicants:** 100/- Indian Rupees (non-refundable) to be paid through online mode.
- **International Applicants:** US \$30 (non-refundable) through RTGS. Kindly refer to the main PhD Advertisement of the Institute at <http://academic.iiti.ac.in/phdadvt.php> for more details about the payment procedure and course fee structure.

### Application Procedure:

- Candidates must apply ONLINE through our website (<http://academic.iiti.ac.in:8080/nregistration.jsp>). This will generate a unique application number for each applicant.
- **Applications must be submitted online before the above-mentioned date. Incomplete applications shall not be considered.**
- After online submission of application, **candidates must send the PDF of the application form along with the scanned copies of the fee payment receipt, and self-attested copies of supporting documents (10th marksheet, 12th marksheet, BTech degree mark sheets and certificate, GATE score card, Master's degree marksheets and certificate, Caste Certificate, if applicable and all other relevant certificates) in the mentioned order (all combined into a single PDF file) to [admission-cse@iiti.ac.in](mailto:admission-cse@iiti.ac.in) within online application deadline.**
- There is **no need to send hard copies of the application form and supporting documents through POST or COURIER.**
- SW category candidates must also submit NOC, experience certificate, last three months' salary slips, and Employer's PAN card along with above mentioned documents with their application forms.
- Candidates must also submit a **statement of purpose (SoP)** explaining why they would like to pursue a PhD in the specific research area (300 to 400 words) along with the application form. Letters of recommendation (LoR) must be sent by referees to [admission-cse@iiti.ac.in](mailto:admission-cse@iiti.ac.in) before the above-mentioned date. Templates of SoP and LoR are available at <https://academic.iiti.ac.in/phdadvt.php>.
- **For further details and rules, eligible candidates in TA/FA/IS/DF/CT category may refer to <http://academic.iiti.ac.in/phdadvt.php>.**

### Important Points to Note:

- Only shortlisted candidates will be called for online interviews, and the same will be notified by email. No emails or communication, in any form, regarding shortlisted candidates, change of interview date, syllabus of written test and/or interview, etc. will be entertained.
- Mere fulfillment of the minimum eligibility criterion does not entitle anyone for admission into the PhD program in CSE.
- GATE qualification is not compulsory for DF/ IS/CT/ SW/FA category candidates.
- **Candidates who are Fellowship Awardees from the funding agencies such as CSIR, UGC, DST etc. are highly encouraged to apply under FA category. Such candidates should send the copy of the letter of the fellowship award along with their applications.**
- **Shortlisted candidates will be called for interview.**

For any further queries, please contact:  
PhD Admission Cell,  
Indian Institute of Technology Indore,

For queries specific to the Discipline, emails can be sent to [admission-cse@iiti.ac.in](mailto:admission-cse@iiti.ac.in)

