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 2022-2023

IITI/Acad/PhD Admissions/Adv/CSE/2022-23/01/01   **May 09, 2022**

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 2022-2023** 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.

Minimum Eligibility Criteria: The Minimum Educational Qualification (MEQ) and Qualifying Examination (QE) for the different categories are:

(i) **TA Category:** Masters' degree in the Department of CSE, IT, Electronics, and Electrical Engineering/ Technology (with first division as defined by the awarding Institute/ University) AND GATE qualification in Computer Science and Information Technology,

OR

Four-year Bachelors' degree OR five-year integrated degree in the relevant Department of CSE, IT, Electronics, and Electrical Engineering/ Technology (with first division as defined by the awarding Institute/ University) AND GATE qualification in Computer Science and Information Technology.

(ii) **FA Category:** Masters' degree in the Department of CSE, IT, Electronics, and Electrical Engineering/ Technology (with first division as defined by the awarding Institute/ University) AND UGC/CSIR-JRF qualification OR Equivalent Fellowship.

(iii) **DF/IS/CT/SW Category:** Masters' degree in the Department of CSE, IT, Electronics, and Electrical Engineering/ Technology (with first division as defined by the awarding Institute/ University) AND GATE is not compulsory. For SW category, applicants must be sponsored from a highly reputed R&D organization, but the requirement of GATE, CSIR-JRF/UGC-JRF qualification may be relaxed.

Time Schedule of PhD admission test and interview:

Last date of Online Application through http://academic.iiti.ac.in:8080/nregistration.jsp (for both Indian and International Applicants)	June 6, 2022 (Monday)
Last date of receiving recommendations of two referees (to be sent by referees to admission-cse@iiti.ac.in) (for both Indian and International Applicants)	June 6, 2022 (Monday)
Date of Written Test and Interview (both Indian and International Applicants)	June 13, 2022 (Monday)

Interview Schedule & Mode
Written test and interview round for the PhD admission would be conducted on June 13, 2022 in the Department of CSE. The interview process, if required, can also be held on June 14, 2022. Candidates are required to attend the selection process in person both, written test and interview. No TA/DA shall be provided to participate in the selection process. **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** SWIFT payment transfer mode. 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 sent online to admission-cse@iiti.ac.in before the above-mentioned date. The subject line of the email must contain the **applicant's name** and the **application reference number**. Incomplete applications shall not be considered.

- Candidates must bring 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** at the time of selection process.

- There is **no requirement of sending 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.

- Letters of recommendation (LoR) must be sent by referees to admission-cse@iiti.ac.in before the above-mentioned date. The subject line of the email from the referee must contain **the candidate's name** and **candidate's application reference number**. 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 written test and/or interview, 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 the Department of CSE.

- **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.**

For any further queries, please contact: PhD Admission Cell, Indian Institute of Technology Indore, Indore-453552, Indore, Madhya Pradesh, India. Email: phdadmission@iiti.ac.in.	**For queries specific to the Discipline, emails can be sent to admission-cse@iiti.ac.in**