



# Indian Institute of Technology Indore

<https://www.iiti.ac.in>

## Ph.D. Admission at Department of Mathematics <http://math.iiti.ac.in>

**ONLINE APPLICATION STARTS ON: October 23, 2024**

### About the Department

IIT Indore, located in Madhya Pradesh, is an institute of national importance established by the Government of India in 2009. IIT Indore has positioned itself as a vibrant centre for outstanding research. Multidisciplinary research at IIT Indore has been recognized at the international level with active participation in several international projects and collaborations with academic/research institutions of many countries including the UK, Japan, USA, Germany, France, Singapore, Australia, Taiwan, and Korea. The Department of Mathematics, IIT Indore started functioning in July 2009, and introduced Ph.D., M.Sc. And B.Tech. (Mathematics and Computing) programmes in 2010, 2015 and 2023 respectively. The department is dedicated to research and teaching and encourages collaborative research with other departments of the Institute. The present faculty members of the department are well equipped to conduct research programmes in both pure and applied mathematics. Faculty members undertake research projects sponsored by various organizations including the Science and Engineering Research Board, Department of Science and Technology, Council of Scientific & Industrial Research, National Board for Higher Mathematics, Ministry of Education, etc.

Eligibility

### Minimum Educational Qualification and Qualifying Examination

#### Indian applicants:

- Masters' degree in Mathematics, Statistics, Computer Science or other field relevant to Mathematical Sciences (with first division as defined by the awarding Institute/ University) AND valid GATE qualification OR valid CSIR-NET/UGC-NET (Lectureship/Assistant Professorship) OR valid UGC-JRF/CSIR-JRF OR Equivalent Fellowship OR
- Masters' degree in Engineering/ Technology (with first division as defined by the awarding Institute/ University) AND GATE qualification OR
- Bachelors' degree in Engineering/ Technology (with first division as defined by the awarding Institute/ University) AND valid GATE qualification

#### International applicants:

- MEQ: Masters' degree in Mathematics, Statistics, Computer Science or other field relevant to Mathematical Sciences (with first division as defined by the awarding Institute/ University). QE: Valid TOEFL/IELTS OR equivalent qualification OR Valid GATE qualification OR
- Masters' degree in Engineering/ Technology (with first division as defined by the awarding Institute/ University). QE: Valid TOEFL/IELTS OR equivalent qualification OR Valid GATE qualification

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

Research Areas

### Research Areas in this round of Ph.D. Admission

- Machine learning, Deep learning
- Probability and Statistics
- Numerical Linear Algebra, Numerical Multilinear Algebra
- Complex Analysis and Special Functions
- Dynamical Systems
- Applied PDEs, Wave propagation, Mechanics of solids
- Mathematical Logic
- Topology of non-Euclidean spaces

Application Procedure

1. A candidate 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: The details are available at <https://academic.iiti.ac.in/phdadvt.php>.
3. A shortlisted candidate must arrange recommendation letters from at least two referees with whom he/she has had academic interactions at least for a year. The candidate should request his/her referees to send recommendation letters using the link <https://forms.gle/fVvXJMCc494pncro9>

Deadline for online form submission: **November 05, 2024**

Written Examination and interview dates (in-person): **November 19-20, 2024**

### Address for Correspondence

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### Important Information & Institute Facilities

1. The detailed information about Ph.D. admission is available at <http://academic.iiti.ac.in/phdadvt.php>.
2. The shortlisted candidates will be informed by email and the list of shortlisted candidates will also be available at the department's homepage <http://math.iiti.ac.in/>.
3. Information about hostels: <http://hostel.iiti.ac.in/>
4. Information about Safety & Security: <http://safety.iiti.ac.in/>
5. About Medical: <http://people.iiti.ac.in/~medical/>
6. Alumni Association: <https://alumni.iiti.ac.in/>