Indian Institute of Technology Indore

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

Ph.D. Admission at Discipline of Mathematics

http://math.iiti.ac.in/

About the Discipline

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 international level with active participation in several key international projects and several collaborations with academic/research institutions in the UK, Japan, USA, Germany, France, Singapore, Australia, Taiwan, Korea and many other countries. The Discipline of Mathematics, IIT Indore started functioning in July 2009, introduced its Ph.D. programme in 2010 and M.Sc. programme in 2015. The discipline is dedicated to research and teaching and encouraging collaborative research with other Science and Engineering Disciplines of the Institute. The present faculty members of the discipline are well equipped to conduct research programme in both Pure and Applied Mathematics. Faculty members undertake research projects sponsored by various organizations including Science and Engineering Research Board, Department of Science and Technology, Council of Scientific & Industrial Research, National Board for Higher Mathematics, MHRD Scheme for Promotion of Academic and Research Collaboration (SPARC).

ONLINE APPLICATION STARTS ON: OCTOBER 29, 2020

Eligibility

Minimum Educational Qualifications (MEQs) and Qualifying Examination (QE) for 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 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

Minimum Educational Qualifications (MEQs) and Qualifying Examination (QE) for 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

Research Areas

The present faculty members in the discipline are well equipped to conduct research programmes in the following broad areas of Mathematics.

- Algebra
- Analysis
- Applied Mechanics
- Differential Equations
- Dynamical Systems and Mathematical Biology
- Information theory
- Machine Learning
- Mathematical Modeling
- Number Theory
- Optimization
- Probability and Statistics
- Rough Set Theory and Modal Logics
- Special Functions and Geometric Function Theory

For more information, please visit the discipline's website http://math.iiti.ac.in/teachers.html.

Application Procedure

1. Candidates 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 here https://academic.iiti.ac.in/phdadvt.php.
3. The shortlisted candidates must arrange recommendation letters from at least two referees with whom the candidate has had academic interaction for at least a year. The candidates should request the referees to send recommendation letters to admission-maths@iiti.ac.in.

Deadline for Online Submission: **November 12, 2020**
Deadline for receiving recommendation letters: **November 13, 2020**
Date of interview: **November 18-20, 2020**

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 discipline'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. Instrument Centre: http://people.iiti.ac.in/~sic/
7. Alumni Association: https://alumni.iiti.ac.in/