Discipline of Mathematics, IIT Indore
Admission for Ph.D. Programme
http://math.iiti.ac.in/

About Discipline of Mathematics, IIT Indore

Indian Institute of Technology Indore (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 joint collaborations with academic/research institutions in Japan, USA, Germany, France, Singapore and many other countries. The Discipline of Mathematics of 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 (SERB), New Delhi, Department of Science and Technology (DST), New Delhi, Council of Scientific & Industrial Research (CSIR), New Delhi, National Board for Higher Mathematics (NBHM), Mumbai.

Research Groups

Analysis:

Faculty	Research Area
Dr. Swadesh Kumar Sahoo	Geometric Function Theory
Dr. V. Antony Vijesh	Numerical Functional Analysis
Dr. Niraj Kumar Shukla	Frame and Wavelet Analysis
Dr. Ashisha Kumar	Harmonic Analysis
Dr. Vijay Kumar Sohani	Harmonic Analysis and PDE
Dr. M. Tanveer	Probabilistic Metric Spaces
Dr. Sanjeev Singh	Special Functions and Geometric Function Theory
Dr. Sk. Safique Ahmad	Operator Theory

Algebra:

Faculty	Research Area
Dr. Sk. Safique Ahmad	Numerical Linear Algebra
Dr. Anand Parkash	Algebra

Differential Equations:

Faculty	Research Area
Dr. V. Antony Vijesh	Differential Equations
Dr. Vijay Kumar Sohani	Partial Differential Equations
Dr. Sanjeev Singh	Differential Equations

Machine Learning and Optimization:

Faculty	Research Area
Dr. M. Tanveer	Machine Learning, Optimization, Biomedical Signal Processing

Rough Set Theory and Modal Logics:

Faculty	Research Area
Dr. Md. Aquil Khan	Rough Set Theory and Modal Logics

Please visit the discipline website (http://math.iiti.ac.in/teachers.html) for more information about the profiles of the individual faculty members.

Eligibility

The detailed information regarding minimum education qualification and qualifying examination for Indian applicants is available at the main PhD advertisement of the institute (http://academic.iiti.ac.in/phdadvt.php).

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: 100/- Indian Rupees must be paid through State Bank Collect https://www.onlinesbi.com/prelogin/icollecthome.htm.
3. After submitting the application online, the eligible candidate has to send the **signed hard-copy of the application along with recent photograph, self-attested relevant certificates (for SW candidates: No Objection Certificate, Experience Certificate, last 3 months salary slip and Employer's PAN card)** to the DPGC Convener, Discipline of Mathematics latest by **October 09, 2018**.
4. The **short-listed 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 in the prescribed format, available on the homepage of the Discipline of Mathematics, to admission-maths@iiti.ac.in latest by **October 18, 2018**.
5. In case a candidate wishes to apply in more than one discipline then separate application must be filled for each discipline.

Why Join MATH @ IITI for PhD

1. Full time PhD students are eligible to receive financial assistance through various avenues.
2. Additional financial assistance is available to present the research papers in international and national avenues during their PhD program.
3. The discipline has state-of-art computational infrastructure for research.
4. The discipline frequently hosts experts from academic and research institutions to deliver seminars on emerging research topics.
5. Interdisciplinary areas of research.

Recent Highlights in the Discipline of Mathematics

1. International Symposium on Computational Mathematics, Optimization, and Computational Intelligence during July 17-19, 2017.
2. GIAN Course on Quasiconformal Mappings and their Applications during December 11-16, 2017.
3. Short Term Course on Differential Equations: Theory, Computation and Applications during on December 11-14, 2017.
4. GIAN Course on Generalized Iterative Methods for Nonlinear Differential Equations during December 18-22, 2017.
5. International Conference on Machine Intelligence and Signal Processing (MISP 2017) during December 22-24, 2017.
6. GIAN Course on Theory and Application of Wavelets and Framelets during December 28, 2017-January 04, 2018.
7. Mathematics Training and Talent Search (MTTS) Camp -Level O during May 21-June 16, 2018.
8. International Conference on Mathematical Modelling and Scientific Computing during July 19-21, 2018.

Address for Correspondence

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Important Information

The detailed information about admission categories are available at the main PhD advertisement of the institute (http://academic.iiti.ac.in/phdadvt.php).

Information about the shortlisted candidates will be available on the Discipline homepage http://math.iiti.ac.in/. The shortlisted candidates will also be informed by email.

Important Dates

	Indian Applicants Only
Deadline for Online Submission	October 01, 2018
Deadline for receiving hard copy of the application	October 09, 2018
Deadline for receiving recommendation letters	October 18, 2018
Date of Interview	October 23 and/or October 24, 2018