



Indian Institute of Technology Indore
Simrol Campus, Khandwa Road, Indore – 453552
Discipline of Astronomy, Astrophysics and Space Engineering
Rolling Advertisement for Admission to Ph.D. Program

IIT Indore is an institution of national importance and is ranked highly in terms of both research and teaching. According to the World University Rankings 2019 by the Times Higher Education **IIT Indore has been ranked 2nd overall amongst all Institutes of India.**

Research Areas:

Discipline of Astronomy, Astrophysics and Space Engineering at IIT-Indore focuses on a range of inter-disciplinary research topics related to Astronomy and Space science and engineering studies. It is a unique discipline among all IITs that offers a dedicated platform to pursue research in Astronomy and related areas.

Current research areas include:

Observational and Computational Cosmology	Radio Astronomy Instrumentation
Galaxy Clusters and Large Scale Structures	Space Weather and Ionosphere
Computational Astrophysics	Star and Planet Formation
Neutron Stars, Pulsars and Black Holes	Navigation, Spacecraft and Payload Control
Transients	The Galaxy and Interstellar Medium
Machine Learning and Big Data	Remote Sensing and RADAR
Satellite Communication	Signal and Image Processing
Radio and X-ray Observations	

Since February 2015, we are also founder members of the *Square Kilometer Array - India (SKA-I) consortium*. Our faculty members are actively involved in **SKA, PLUTO code, Sky Watch Array Network (SWAN) and Navigation with Indian Constellation (NavIC) related research**. Our faculty members and students are extensively using national/international facilities like the **ASTROSAT, LOFAR, uGMRT, VLA, ATCA, SWIFT, NuStar, NICER, XMM-Newton, Chandra X-ray Observatory** and look ahead for active involvements in upcoming projects like **Thirty Meter Telescope (TMT), James Webb Space Telescope (JWST), EUCLID and Aditya-L1 mission.** ^[1]_{SEP}

Candidates are strongly advised to visit the profiles of the faculty members at <http://astronomy.iiti.ac.in/faculties.html> before applying for the PhD program.

Categories of Admission:

Kindly refer to the main PhD Advertisement of the Institute available at <http://academic.iiti.ac.in/phdadvt.php>

Eligibility:

Kindly refer to the main PhD Advertisement of the Institute available at <http://academic.iiti.ac.in/phdadvt.php>

Selection Process:

Motivated students with outstanding academic performance in relevant Science and Engineering disciplines are desirable.

All applicants are required to carry two sets of signed hard copy of the required documents when they arrive for the interview.

Admission is generally offered on the basis of an interview, which may be supplemented by a written test, if necessary.

Based on the academic records, letters of recommendation etc., a limited number of candidates will be invited for a written test/interview.

The final selection will be mainly based on academic credentials, written test and/or interview.

Important Dates:

Note this is a rolling advertisement, however online applications received before March 31, 2019 will be considered in this round.

Last date of Online Application	March 31, 2019
Last date to receive hardcopy of supporting documents by post	April 10, 2019
Last date to receive TWO recommendation letters from referees (In prescribed format directly from referees via emails below)	April 10, 2019
Written Test/Interview	April 25, 2019

Application Fee and Supporting Documents:

Kindly refer to the main PhD Advertisement of the Institute available at <http://academic.iiti.ac.in/phdadvt.php>

For any queries please contact:

Dr. Abhirup Datta (Head, Astronomy); Dr. Bhargav Vaidya (DPGC Convener)

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