



Indian Institute of Technology Indore
Simrol, Indore, Pin code 453552, India
Phone: +91 731 2438 969; fax: +91 731 2438 933
URL: www.iiti.ac.in

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Advertisement for Recruitment of Faculty Members at IIT Indore

IIT Indore invites applications from outstanding, highly-motivated Indian nationals (and those of Indian origin/holding PIO cards) for faculty positions at the levels of Assistant and Associate Professors in the Centres, Disciplines and Schools as shown below:

Table 1: Preferred areas of specializations

Sl.	Name of the Centres, Disciplines and Schools	Specific Area
1.	Astronomy	Experimental Astronomy, Radio/millimetre/micro wave Astronomy, X-ray astronomy, Space Sciences and Instrumentation, Space Payload/Mission Design, Computational Astrophysics, Simulation and Modelling, Astronomical Observations/Data Analysis, Astro-Statistics, Planetary Sciences, Gravitational Wave Astronomy, Space Weather, Applications to Sustainable Geo Spatial Research, Any other areas related to Astronomy/Astrophysics
2.	Biosciences and Biomedical Engineering	Tissue Engineering, Medical devices and Instruments, Bioelectronics, Biomaterials (artificial organs and implants), Biomechanics, Neural Engineering
3.	Chemistry	Carbohydrate Chemistry, Organic Synthesis and Synthetic Methodology, Medicinal Chemistry, Total Synthesis, Organometallic Chemistry, Coordination Chemistry, Main Group Chemistry, Magneto chemistry, Electrochemistry, Spectroscopy, Fluorescence Spectroscopy, Biophysical Chemistry, Polymer Chemistry, Solid State Chemistry, Theoretical and Computational Chemistry
4.	Civil Engineering	Structural Engineering, Construction Management, Transportation Engineering, Water treatment and Waste water treatment
5.	Computer Science and Engineering	Languages, Compilers, Runtime Systems, Theoretical Computer Science, Computer Networks, Security and Privacy, Virtualization and Cloud Computing, High Performance Computing, Distributed Systems
6.	Electrical Engineering	Power systems and Power Electronics, Communication and signal Processing, Microwave and Antenna theory, Control Systems

Sl.	Name of the Centres, Disciplines and Schools	Specific Area
7.	Humanities and Social Sciences	<p><u>For Assistant and Associate Professor:</u> Economics: Monetary Economics, Financial Economics, Public Finance, Behavioural Economics, Game Theory and Industrial Organization, Mathematical Economics, Economic History, Health Economics, and Allied Areas Psychology: Safety, Innovation, Occupation, Performance, Design, and Computational/Mathematical Modelling, Defence, Sports, Work, Interactive Technology, and Allied Areas</p> <p><u>For Associate Professor:</u> Sociology: Sociology of Development and Sociology of Urbanization, Environmental Sociology, Social Theory, and Allied Areas</p>
8.	Mathematics	<p><u>For Assistant Professor:</u> Cryptography, Graphs and Combinatorics, Geometry, Topology, Algebra, Probability & Statistics, Financial Mathematics, Operator Theory, Differential Equation, Numerical Analysis, Optimization and Outstanding applications from other areas also</p> <p><u>For Associate Professor:</u> Wavelet Analysis, Harmonic Analysis</p>
9.	Mechanical Engineering	<p>Thermal Engineering: Heat transfer, Energy Manufacturing Engineering: Conventional and non-conventional machining, forming Industrial and Systems Engineering: Reliability Engineering, Prognostics and Health Management (PHM), Smart Manufacturing</p>
10.	Metallurgy Engineering and Materials Science	Modelling in Process Metallurgy, Extractive Metallurgy, Physical Metallurgy, Mechanical Metallurgy, Computational Methods in Materials, Solid Ionic Conductors, Display Devices materials, Gas storage Materials
11.	Physics	Theory in areas of Condensed Matter Physics, Statistical Physics, Atomic and Molecular Physics

(A) QUALIFICATIONS AND EXPERIENCE:

Associate Professor: Ph.D. degree (with first division at the preceding degrees) in relevant areas of specializations with a very good academic record and being active in research as evidenced by high impact publications. He/ she should have **at least six years of post-PhD experience** in teaching / industry / research, of which **at least three years** of experience should be at the level of Assistant Professor (Grade I)/ Senior Scientific Officer / Senior Design Engineer, or equivalent.

Assistant Professor (Grade I): Ph.D. degree (with first division at the preceding degrees) in relevant areas of specializations and with a very good academic and research record and at least **three years of post-PhD** Research/Teaching/Industry experience. Candidates not satisfying the required post-PhD experience criterion for direct recruitment as Assistant Professor (Grade I) may be put on tenure track as **Assistant Professor (Grade II)**.

(B) PAY STRUCTURE:

Associate Professor: To be appointed in the minimum Basic Pay of Rs. 1,39,600/- pm in the Pay Level 13A2 as per 7th CPC. The total emoluments in the minimum Basic Pay will be Rs. 1, 64,688/- pm.

Assistant Professor (Grade I): To be appointed in the minimum Basic Pay of Rs. 1, 01,500/- pm in the Pay Level 12 as per 7th CPC. The total emoluments in the minimum Basic Pay will be Rs. 1, 21,823/- p.m. On completion of three years of service, as an Assistant Professor (Grade I) shall move to in the Pay Level 13A1, minimum Basic Pay Rs. 1,31,400/- pm and the total emoluments in the minimum Basic Pay will be Rs. 1, 54,898/- pm.

Assistant Professor (Grade II): To be appointed in the minimum Basic Pay of Rs. 70,900/- in the Pay Level 10 as per 7th CPC. The total emoluments in the minimum Basic Pay will be Rs. 87,321/- p.m. After one year of service as Assistant Professor (Grade II) in the above pay shall move to in the Pay Level 11.

(C) SUPPORT FOR PROFESSIONAL ADVANCEMENT OF FACULTY:

- The Institute provides a Cumulative Professional Development Allowance (CPDA) of Rs 3 Lakhs for every block period of 3 years, for presenting papers at conferences and towards membership fee of professional bodies and contingency expenditure.
- Reimbursement of relocation charges is upto Rs 1, 00, 000/- for the faculty members joining from abroad and Rs. 75, 000 for the faculty members joining from India.
The relocation reimbursement charges include the cost of air fare for self and spouse with the cost of transportation of goods for faculty members joining from abroad. The relocation reimbursement charges for faculty members joining within India include the cost of air fare for self and dependents with the cost of transportation of goods.
- Cashless OPD and IPD medical facility in the leading hospitals in Indore and well equipped institute dispensary for employees and their dependent family members.

(D) GENERAL INSTRUCTIONS:

1. **Age limit:** Below 35 years for Assistant Professor (Grade I); below 45 years for Associate Professor. Age relaxation to reserved category candidates will be applicable as per Government of India rules.
2. In all cases age limit, experience and education will be reckoned as on last date of submission of online application.
3. The requirements of minimum educational qualification/experience/age may be relaxed in the case of candidates with outstanding credentials evidenced by excellent publication record, research experience, etc.
4. Separate applications must be filled if a candidate is applying for a position in more than one Centre/Discipline/School with different email id.
5. Mere fulfilling eligibility will not entitle any candidate for being called for interview.
6. The Institute reserves the right to withdraw any advertised post(s) at any time without assigning any reason.
7. If a candidate is not found suitable for the post applied may be considered for lower post.
8. Candidates called for interview will be reimbursed apex air fare by Economy class from the place of their residence and back by the shortest route, preferably by Air India.
9. No correspondence whatsoever will be entertained from candidates regarding conduct and result of interview and reasons for not being called for interview.
10. All reserved category candidates, including Persons with Disabilities (PWD), fulfilling the eligibility criteria are encouraged to apply.
11. Persons employed in Government/Semi Government Organization, Autonomous bodies or Educational Institutions must apply through proper channel **OR** shall provide **No Objection Certificate** at the time of Interview.
12. The candidate is responsible for the correctness in the information provided in the application. If it is found at a later date that any information given in the application is incorrect /false the candidature/appointment is liable to cancelled/terminated.
13. *Applications will be considered by the day end of May 31, 2018.*

(E) APPLICATION PROCEDURE:

1. Applicant has to fill the Application form, ONLINE through the given link, **Apply Online**.
2. He/she does not require sending any hardcopy of filled Application Form, nor any documents. They can keep a copy of application form along with them, for future reference.
3. For any query, you can write at fac.recruit@iiti.ac.in.