भारतीय प्रौद्योगिकी संस्थान इंदौर
Indian Institute of Technology Indore
Simrol, Khandwa Road, Indore- 453 552, India
www.iiti.ac.in

Advertisement No. IITI/FACREC/2022/MMR/01   February 22, 2022

Mission Mode Faculty Recruitment Advertisement

Special Recruitment Drive for SC/ST/OBC-NC/EWS/PwD

1. Indian Institute of Technology Indore (IIT Indore), an Institute of National Importance, is ranked in the top 13 engineering institutes in the country by National Institute Ranking Framework (NIRF) in the year 2021. IIT Indore has made its presence felt as an important center of innovation, learning, teaching, and research. It has consistently secured the highest *h*-index rating amongst all new IITs. With being the preferred choice of one of the best students & researchers, the Institute offers a conducive environment and infrastructure for research, innovation and incubation.

2. IIT Indore invites applications from Indian Nationals and OCIs, who belong to SC/ST/OBC-NC/EWS/PwD category for faculty positions at the level of **Assistant Professor (Grade I & II)** in its various academic Departments, Centres and School.

3. The last date for online application is **March 22, 2022** and receipt of hard copy is **April 07, 2022.** The completed application materials should be uploaded before **5:00 PM (IST) on March 22, 2022**

4. Total number of vacancies: 36

5. The department-wise details of specific qualification requirement and specialization areas are as follows:

Department/School	Area of Specialization
Astronomy, Astrophysics and Space Engineering	• Hyperspectral studies related to Weather and Climate • Systems Engineering related to Satellite Payload Technology, Control, and Navigation • Digital Signal Processing related to Space Engineering • Optical Astronomy • Gravitational Waves Astronomy - Detectors and Science • Planetary Science and Exoplanets
Biosciences and Biomedical Engineering	• Bioelectronics and instrumentation • Biosensors/MEMS/NEMS • Microfluidics/lab on chip • Biomechanics/Mechanobiology • Bioprocess and Downstream processing
Civil Engineering	Geotechnical Engineering (environmental geotechnics, rock mechanics and under ground structures) and transportation planning.

Computer Science and Engineering	• Cyber security and cryptology • Computer architecture, operating systems and compilers • Theoretical computer science, computational geometry, and high-performance computing • Computer graphics, virtualisation
Electrical Engineering	• VLSI circuits and systems, • Power Electronics and Power Systems, • Signal/Image processing, • Communication networks, • Instrumentation and Control.
Mechanical Engineering	• **Smart manufacturing or Industry 4.0:** With specific focus on digital twins, agent based systems, distributed decision making, health management and collaborative learning for industrial systems. • **Design Engineering:** Vehicle's dynamics and control, robotics and autonomous systems • **Thermal Engineering:** Renewable energy systems, energy storage, microfluidics (Lab-on-a-chip)
Metallurgy Engineering and Materials Science	Integrated Computational Materials Engineering, Extractive metallurgy, Ceramic engineering, Composite materials, Surface protection, Metallurgical process modelling, Quantum materials and device.
Chemistry	• Theory and Computation (Theoretical) • Physical Chemistry (experimental)
Mathematics	All areas of mathematics. Preference: Probability and Statistics, Scientific Computing, Graph theory and Combinatorics, Differential Equations, Functional Analysis, Algebraic & Differential Geometry, Topology, Nonlinear Analysis, Representation Theory.
Physics	• Statistical Physics including nonlinear dynamics, chaos, network theory etc. • Experimental and theoretical condensed matter physics and Material sciences. • Experimental and theoretical high energy physics. • Computational physics and related phenomena. • Instrumentation (Biomedical and Scientific).
School of Humanities and Social Sciences	Economics: Money and Banking, Financial Economics English: Digital Humanities, ELT Philosophy: Logic, Philosophy of Science Psychology

6. Further details regarding various Departments, Faculty, Postgraduate Programmes and areas of research can be reviewed at the individual departmental websites and also at www.iiti.ac.in

7. **Minimum Qualifications and Experience Requirements.**

The minimum requirements for the position of Assistant Professor Grade I and II are as follows:

(a) **Assistant Professor Grade I.**

  (i) **Educational Qualification:** Ph.D. with first class or equivalent at the preceding degree in the department mentioned in Para 5 with a very good academic record throughout.

  (ii) **Experience:** Minimum **three years** of industrial/ research/ teaching experience, **excluding, however, the experience gained while pursuing Ph.D.**

  (iii) **Age:** Maximum 35 years

(b) **Assistant Professor Grade-II.**

  (i) **Educational Qualification:** Ph.D. with first class or equivalent at the preceding degree in the department mentioned in Para 5 with a very good academic record throughout.

  (ii) **Experience:** Candidates satisfying all criteria other than experience criteria for Assistant Professor Grade I may be appointed as Assistant Professor Grade II with appropriate pay based on post-doctoral experience.

  (iii) **Age:** Maximum 32 years

8. **Pay Structure.**

The pay structure for various positions, as per 7th CPC, are as follows:

Position	Pay Level	Min. Basic Pay/ Month (₹)	Total Emoluments including HRA* (₹)
Assistant Professor Grade I	12	1,01,500/-	1,60,667/-
Assistant Professor Grade II	10	70,900/-	1,15,073/-

*HRA would not be admissible if accommodation is provided within the campus.

The posts carry allowances such as D.A., H.R.A and Transport Allowance (TA) as per GOI rules, which at present correspond to those admissible to Central Government employees stationed at Indore. The benefits of LTC, Children Education Allowance, and contribution towards New Pension Scheme (NPS) shall be permissible as per GoI rules.

9. **Support/ Allowances.** Other support/ allowances, in accordance with the Ministry of Education, provided are as follows:

(a) Cumulative Professional Development Allowance (CPDA). CPDA of ₹3 lakhs for every block period of 3 years may be made available on reimbursable basis to meet the expenses for presenting papers at conferences and towards membership fee of professional bodies and academic/research related contingency expenditure.

(b) <u>Relocation Allowance</u>.   Reimbursement of relocation charges of up to ₹1,00,000/- for faculty members joining from abroad for reimbursement of air fare for self & spouse and cost of transportation of goods. Reimbursement of up to ₹75,000/- for self and family and transportation of goods for those joining from within India.

(c) <u>Medical Facility</u>.   Cashless Out-Patient Department (OPD) and In-Patient Department (IPD) medical facility in the leading hospitals in Indore and well-equipped Institute Health Centre for employees and their dependent family members.

(d) <u>Children Education Allowance (CEA)</u>.   Reimbursement of CEA will be applicable for claiming fee reimbursement of two eldest school going children i.e. for children from classes nursery to twelfth @ ₹2,250/- p.m. per child as per GOI norms.

(e) <u>Communication Charges</u>.   Reimbursement of communication charges will be done in accordance with the Institute/GOI rules.

(f) <u>Accommodation Facility</u>.   The Institute endeavours to provide suitable accommodation to all faculty. On-campus accommodation / Residence in the Institute will be provided to the employee in lieu of HRA, subject to the availability. **After joining the Institute, accommodation for first 21 days at Hostel/Guest house may be provided. However, in the beginning, new faculty may have to stay in transit accommodation outside the campus.**

(g) Facilities for Research and Development activities exist in all the Departments and Centres. These are being continuously modernized with contemporary equipment and services. Good facilities also exist for computing. The Institute has a well-stocked library.

10. **Reservation and Relaxation for SC/ST/OBC/PWD/ EWS applicants.** Reservation and relaxation are applicable as per GOI rules for SC, ST, OBC and PWD applicants. The benefit of reservation under Economically Weaker Section (EWS) can be availed upon production of an Income and Asset Certificate issued by authorized officials in prescribed format as per GOI norms. Candidates should submit their valid SC/ST/OBC/EWS/ Disability Certificate issued by the competent authority in the prescribed format along with the application form in support of their claim.

11. **The application must be complete with full details of educational qualifications including year of obtaining Ph.D., date of defense and details as required in the online application portal providing a list of publications (with reprints of the best papers), teaching/ research/industrial experience, date of birth along with the names and contact details of at least three referees.**

12. <u>**General Instructions.**</u>

(a) Applicants who have not been considered earlier against the old advertisements need to apply afresh.

(b) If applying for more than one position, then separate application must be submitted for each position.

(c) **Experience and age limit will be reckoned as on last date of online submission of online application form.**

(d) Degrees obtained by the candidate should have been awarded by a recognized University/ Institute. All Educational qualification certificates including the Date of Ph.D. Defense must be submitted/uploaded. All Experience certificates mentioning designation, pay and tenure must be duly signed and sealed by the employer.

(e) Political and security clearance from Ministries of External Affairs and Home Affairs is necessary in every case for individuals with foreign passports.

(f) The Institute reserves the right to call for interview only those candidates shortlisted based on their qualification, experience, research, publication records and requirements of individual academic departments, centres and school.

(g) Mere fulfilling eligibility criteria will not entitle any applicant for being called for interview.

(h) The Institute reserves the right to fill or not to fill positions in any of the above/and or any other specialization(s)/Department(s). The Institute has the right to set different as well as higher norms, while short-listing, considering the specific requirement of the departments.

(i) Based on the shortlisting criteria, applications will be processed. Only the shortlisted applicants will be contacted through the emails provided by them in the application form.

(j) Applicants are required to carry original certificates, if called for the interview in person, failure of which would lead to disqualification of the candidature.

(k) Applicants, called for interview, will be reimbursed to and fro air fare by economy class or II AC rail fare, from the nearest city of their residence in India by the shortest route. The **ticket for air travel** should be booked from **IRCTC or authorized Travel Agents viz, M/s Balmer Lawrie & Company Limited and M/s Ashok Travels & Tours (via website/ booking counters/office),** in line with GOI instructions. **Booking done from any other mode will not be admissible for claim.** However, to comply with COVID safety protocols, the seminar and interview may be held through video conference.

(l) Applicants from abroad will, generally, be interviewed through video conferencing and no reimbursement for such applicants will be made. Applicants from abroad, but in India at time of Selection committee meeting, must attend the interview in person, if called.

(m) No correspondence whatsoever will be entertained from applicants regarding conduct and result of interview and reasons for not being called for interview or selection.

(n) **Applicants who are employed in Government, Semi-Government, Autonomous Body or Institution should send their applications through proper channel. Else, they will be required to produce a No Objection Certificate from their employer at the time of interview.**

(o) Applicant is solely responsible for the correctness of the information provided in the application. If found later, that any information given in the application is incorrect/false, the candidature/appointment is liable to be cancelled/terminated.

(p) IIT Indore encourages participation of women in teaching and research. Hence women applicants are encouraged to apply for these positions.

(q) Most of the day to day facilities are available on the Campus including bank, a post office, a small shopping centre, Kendriya Vidyalaya school (up to 9th standard) for children, a well- equipped hospital, sports facilities and vast playground for field games. Cultural facilities include film clubs, Classical music societies, debating and drama and a hobbies club.

(r) The Institute reserves the right to withdraw any advertised position(s) at any time without assigning any reason.

13. **Application Procedure and Submission of Application Form.**

(a) The candidate must apply online by visiting the website: Click here to apply ONLINE. **Instructions for completing the application are available on the application website. Please refer to those instructions while filling the application.** The application form/ data sheet is a summary sheet mainly for data collection for statutory and statistical purposes.

(b) All certificates to be uploaded in **pdf file** along with the online the application form.

(c) It is **mandatory** to fill the application online in the link provided above, take print out of the online filled application form and submit the hardcopy before the dates mentioned in Para 3 & Para 13(e).

(d) The applicant is **required to send the hardcopy** of duly signed printout of the online filled Application Form along with all the required documents duly self-attested by him/her to the following address prescribing on the Envelope **"Application for the position of _____ Department of _____.**

To,
The Faculty Recruitment Cell,
Abhinandan Building, 6th Floor,
Indian Institute of Technology Indore,
Khandwa Road, Simrol, 453552
Indore, Madhya Pradesh

(e) Last date for online application is **March 22, 2022** till **5:00 PM (IST)** and submission of signed hardcopy of the same is **April 07, 2022**.

(f) The candidate should retain a copy of the filled application form for future reference.

(g) Candidates must contact the referees to send letters of reference writing to the **Director and Heads of the concerned Departments at IIT Indore**. The referees should be requested to send the reference letters by post/email as mentioned above at Para 13(d) or email at **fac.recruit@iiti.ac.in**.

(h) For any query, please write to fac.recruit@iiti.ac.in or call +91(0)731-6603556/3488 (Ext. 3556/3488) between Monday to Friday from 09:30 AM till 05:45 PM

Sd/-
REGISTRAR (i/C)