



Indian Institute of Technology Indore

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Advertisement for Faculty Recruitment

1. Indian Institute of Technology Indore is an Institute of National Importance. In a short span of its existence of more than 11 years, IIT Indore has made its significant presence felt as an institute of innovation, learning, teaching, and research at national and global level which is reflected in continuous improvement in its national and international ranking. It is ranked 13th in the country by National Institute Ranking Framework (NIRF) for the year 2021. It has consistently secured the highest *h*-index amongst all new IITs. With being the preferred choice of one of the best students and researchers, the Institute offers a conducive environment and infrastructure for learning centric education, research driven teaching, and innovation & application-oriented research. The institute has very good ecosystem for incubation and entrepreneurship.
2. IIT Indore invites applications for the positions of Associate Professor and Professor from Indian Nationals, PIO, and OCI who are well-qualified and experiences and strongly motivated for high quality teaching, research, and innovation. Following are the details of specializations and specific requirements for these positions:

Department/School	Designation	Area of Specialization
Astronomy, Astrophysics and Space Engineering	Associate Professor	Computational Plasma Astrophysics, Computational Cosmology with Statistical Inference
	Professor	Observational Cosmology at Radio Wavelength
Biosciences and Biomedical Engineering	Associate Professor	Nano-diagnostics, Biomedical Devices, Biomedical Instrumentation, Biosensors, Bioinspired Design, Experimental Biomechanics, Molecular Modeling and Simulation of Biomolecules, Cancer Drug Discovery, Drug Delivery, Co-infection Model of Pathogens in Chronic Diseases, Point of Care
	Professor	Nucleic Acids Biology, Drug Discovery, Molecular Immunology
Civil Engineering	Associate Professor	Geotechnical Health Monitoring and Environmental Geotechnics, Hydrological Modelling of Himalayan Water Resources and Impact of Climate Change on them
	Professor	Forecasting And Real-Time Monitoring of Landslides, Sustainable Ground Improvement, Hydro-Climatology and Hydrological Modeling, Climate Change Management

Computer Science and Engineering	Associate Professor	Cryptography, Hardware Security, Machine Learning for remote PPG.
	Professor	Soft Computing, Evolutionary Approaches, Numerical Methods and Optimization, Ubiquitous Computing, Artificial Intelligence, Machine Learning, Service-Oriented Systems, Dynamic Systems, Embedded Systems, High Confidence Real-Time Systems, Wireless Sensor Networks, CPS, Autonomous Vehicles
Electrical Engineering	Professor	Communications and Signal Processing, Wireless Communications, Image Processing, Nanoelectronics, Microelectronics, Optoelectronics, Power Electronics, Organic Electronics, Integrated Photonics, Solar Cells and Technology, VLSI Design, Power Systems
Mechanical Engineering	Professor	Smart Actuators and Sensors, Laser Micro-manufacturing, Smart Manufacturing, Prognostics, Thermal Spray Coating, Heat Transfer, Jet Impingement Cooling, Quenching and Rewetting Heat Transfer, Desiccant Cooling, CFD, Optical Spray Diagnostic
Metallurgy Engineering and Materials Science	Associate Professor	Energy Storage Materials, Hybrid Materials, Soft Materials, Ceramic Engineering, Mechanical Metallurgy, Physical Metallurgy, Solidification, Welding Technology
	Professor	Energy Storage Materials, Computational Materials Science and Engineering, Extractive Metallurgy
Chemistry	Associate Professor	Nanomaterials and Self-Assemblies, Organometallic Chemistry
	Professor	Theoretical/Computational Chemistry, Spectroscopy of Nano-Biomaterials, Heterocyclic Synthesis, Supramolecular Organic Chemistry, Homogenous and Heterogenous Metal Catalysis, Materials Chemistry
Mathematics	Associate Professor	Ranking and Selection, Wave Propagation, Harmonic Analysis, Applied Dynamical Systems, Special Functions
	Professor	Applied Linear Algebra, Numerical Analysis, Differential Equations, Mathematical Logic, Wavelet Analysis, Geometric Function Theory
Physics	Professor	Experimental and Theoretical High Energy Physics, Physics of Quark-Gluon Plasma, String Theory, Experimental Condensed Matter Physics, Ferroelectric Materials, Magneto-Dielectric/Multiferroic Materials, Nano-Materials, Organic/Inorganic Hybrid Materials, Energy Conversion and Storage Materials, Heusler Alloy and Half Metallic Systems, X-Ray for Local-Structural Studies, Optical Absorption Spectroscopy, Structure Property Correlation and Magnetism, Nano-Devices
School of Humanities and Social Sciences	Associate Professor (Sociology)	Urban and Rural Water Governance, Political Sociology for River Basin Management, Medical Sociology, Public Health, and Education, Sociology of Religion and Caste, Ethnic and Religious Minorities
	Professor (English, Economics, Philosophy)	Sustainability Studies, Productivity Analysis, Resource Economics, Agricultural Economics, Economics of Innovation, Digital Humanities, Postcolonial Studies, Moral and Political Philosophy

3. **Minimum Qualifications and Experience Requirements.**

The qualification and experience required for various positions are enumerated in the subsequent paragraph.

(a) **Professor:** The minimum requirements for the position of Professor are as follows:

- (i) **Educational Qualification:** PhD and first class or equivalent grade in the preceding degree in the mentioned area of specializations of the concerned Department/School with a very good academic record throughout.
- (ii) **Experience:** Minimum **ten years of post-PhD** teaching/research/industry experience of which **at least four years' experience** should be at the level of Associate Professor in IITs, IISc Bangalore, IISERs, IIMs, NITIE Mumbai or in any foreign Institution/University of higher or comparable standards as ascertained by IIT Indore.
- (iii) **Other Requirements:** The applicant should have demonstrated her/his research leadership and output through supervision of PhD and PG students, handling of sponsored research projects and consultancy projects, patents, quality publications in good impact factor refereed journals, reputed conference proceedings, authoring/co-authoring books and/or book chapters. The applicant is expected to have experience of development of laboratories and course curricula, experience of organizing CEP/GIAN/QIP courses, and similar academic and outreach activities. The applicant is expected to have hosted/collaborated with other internationally acclaimed academicians and having organized conferences in his/her area of specialization and having acquired status of an internationally recognized expert, as is expected from Professor in any leading Institution.

(b) **Associate Professor:** The minimum requirements for the position of Associate Professor are as follows:

- (i) **Educational Qualifications:** PhD and first class or equivalent grade in the preceding degree in the mentioned area of specializations of the concerned Department/School with a very good academic record throughout.
- (ii) **Experience:** Minimum **six years of post-PhD** teaching/research/industry experience of which **at least three years' experience** should be at the level of Regular Assistant Professor in IITs or similar institutes of national importance or foreign Institution/University of higher or comparable standards as ascertained by IIT Indore.
- (iii) **Other requirements:** The applicant should have demonstrated her/his research leadership and output through supervision of PhD and PG students, handling of sponsored research and consultancy projects, grant of patents, good quality publications in high impact factor journals and highly reputed conferences, should have authored book or book chapters. The applicant is expected to have experience of development of laboratories and course curricula, experience of organizing CEP/QIP courses and similar academic and outreach activities.

4. **Pay Structure:**

The starting pay for positions, as per 7th CPC, as mentioned below are as follows:

<u>Position</u>	<u>Pay Level</u>	<u>Min. Basic Pay/Month (₹)</u>	<u>Total Emoluments including HRA* (₹)</u> as per present applicable allowances
Professor	14A	1,59,100/-	2,46,491/-
Associate Professor	13A2	1,39,600/-	2,17,436/-

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

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

- (a) **Relocation Allowance:** 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.
- (b) **Accommodation Facility:** On-campus Residence in the Institute will be provided to the employee in lieu of HRA subject to the availability.
- (c) **Medical Facilities:** IIT Indore has well-equipped Institute Health Centre for its employees and their dependent family members. Also, Cashless Out-Patient Department (OPD) and In-Patient Department (IPD) medical facilities in the leading hospitals in Indore in case same is not available at IITI Health Centre.
- (d) **In-campus Education and Day care facilities for Children:** Kendriya Vidyalaya (KV), Nursery School and Day Care facility are available in the campus of IIT Indore.
- (e) **Cumulative Professional Development Allowance (CPDA):** CPDA of ₹3 lakhs for every block period of 3 years is provided for presenting papers at conferences and towards membership fee of professional bodies and academic/research related contingency expenditure.
- (f) **Children Education Allowance (CEA):** 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.
- (g) **Communication Charges:** Reimbursement of communication charges will be done in accordance with the Institute/GOI rules.
- (h) **Newspaper expenses:** Reimbursement of the newspaper charges will be done in accordance with the Institute/GOI rules.

6. **Reservation and relaxations for applicants from SC/ST/OBC-NC/PWD/EWS categories:** Reservation and relaxations will be applicable as per GOI rules and regulations for applicants belonging to SC, ST, OBC-NC and PWD categories. 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. Necessary certificates must be enclosed with the application form.
7. **General Instructions:**
- (a) Applicants who have applied against **advertisement no. IITI/FACREC/2021/March/01 dated 6th March 2021** or earlier advertisements, need to apply afresh against this advertisement. However, those applicants who have paid the applicable fee, if any, in response to March 2021 advertisement are exempted from payment of the fee for this advertisement only.
 - (b) Those applicants who have earlier sent their application/CV through email and wish to apply then they should also apply against this advertisement.
 - (c) If any candidate wishes to apply for more than one position, then separate application must be submitted for each position.
 - (d) **Only those applications will be considered which are received through the online application portal AND hard copy of the same is received before the stipulated last date.**
 - (e) Educational qualifications, experience and any other requirements as mentioned in this advertisement will be reckoned as on **last date of online submission** of the application form i.e. **31st Dec 2021**.
 - (f) Mere fulfilling of the eligibility criteria of for any post in any Department/School will not entitle any applicant for being called for interview.
 - (g) The Institute reserves the right to fill or not to fill any position in any of the above or any other specializations/Departments/School.
 - (h) The Institute reserves its rights to set higher norms for short-listing for any position.
 - (i) The received applications will be processed as per the Institute shortlisting criteria. Only the shortlisted applicant will be contacted using the email provided in her/his application form.
 - (j) The applicants called for the interview in person will be required to carry all the original degrees and certificates, failure of which would lead to disqualification of the candidature.
 - (k) Applicants called for interview in person will be reimbursed to and fro airfare by economy class or II AC rail fare from the nearest city of their residence in India by the shortest route. The **air travel** should be done by **Air India only** and **booking of tickets** must be done directly from **Air India website, IRCTC or authorized Travel Agents i.e. M/s Balmer Lawrie & Company Limited and M/s Ashok Travels & Tours (via website/ booking counters/office)** as per the GOI instructions. **Booking done from any other mode will not be admissible for the claim.**

- (l) Generally, the applicants from abroad are interviewed through video conferencing and no reimbursement for travel 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 interim correspondence whatsoever will be entertained from applicants regarding conduct and result of the selection process 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 the **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) All reserved category applicants including Divyaang (Person with Disabilities), fulfilling the eligibility criteria are encouraged to apply.
- (r) **Application Fee**: Applicant must pay following non-refundable amount using net-banking and upload the UTR/Transaction/Payment reference in the field provided in the online application portal:

SC/ST applicant, Faculty applicant from IIT Indore	: No Fee
OBC-NC, PwD, EWS, and Female applicant	: ₹500
Others	: ₹1,000
- (s) Noncompliance of the instructions mentioned in this advertisement would lead to disqualification of the candidature.
- (t) The Institute reserves the right to withdraw any advertised post(s) at any time without assigning any reason.

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

- (a) The applicant **must apply online** by visiting the website: [Click here to apply ONLINE](#) and subsequently take the printout of the filled application form and **send the hard copy**.
- (b) Certificates and relevant documents (including the list of all the publications in the required format) are to be uploaded in pdf/xls, xlsx file in the online application portal. Also, upload pdf files of up to maximum 10 best research papers.

- (c) The applicant **must 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/School of _____**”.

To,
The Faculty Affairs Office,
6th Floor, Abhinandan Bhavan,
Indian Institute of Technology Indore,
Simrol, Khandwa Road, Indore,
Madhya Pradesh – 453 552

- (d) **Last date for online application is 31st Dec 2021 and last date for submission of signed hardcopy of the same along with the required documents is 15th January 2022.**
- (e) The applicant should retain a copy of the filled application form for future reference.
- (f) The referees should be requested to send the reference letters by post/email as mentioned above at Para 8(c) or email at **fac.recruit@iiti.ac.in**.
- (g) For any query, please write to **fac.recruit@iiti.ac.in** or call +91(0)731-6603556/3488 (Ext. 3556/3488).

**Sd/-
REGISTRAR (i/C)**