Indian Institute of Technology Indore

IET-DAVV Campus, Khandwa Road, Indore 452 017, India
Fax: +91 731 2361482; +91 731 2364182
www.iiti.ac.in

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 POI cards) for faculty positions at the levels of Professor, Associate Professor, Assistant Professor and Assistant Professor (on-contract) for the disciplines of Computer Science and Engineering, Electrical Engineering, Mechanical Engineering, Physics, Chemistry, Mathematics, Economics, Philosophy, Psychology and Sociology.

(A) Qualifications & Experience:

1. Assistant Professor: Ph.D. with a first class or equivalent at the preceding degree in the appropriate branch with a very good academic record and **at least three years** of **post-Ph.D.** Industrial/Research/Teaching experience.

Candidates not satisfying eligibility requirement for direct recruitment as Assistant Professor may be put on tenure track as Assistant Professor (on-contract). Candidates should have Ph.D. and first class or equivalent at the preceding degree in the appropriate branch with a very good academic record throughout.

2. Associate Professor: Ph.D. degree with first class or equivalent at the preceding degree in the appropriate branch with a very good academic record throughout and a **minimum of six years** of teaching / industry / research experience, of which **at least three years'** experience, should be at the level of Assistant Professor / Senior Scientific Officer / Senior Design Engineer.

3. Professor: Ph.D. degree with first class or equivalent at the preceding degree with a very good academic record throughout and a **minimum of ten years** of experience, of which **at least four years** should be at the level of Associate Professor in any of the following Institutions: IIT, IISc Bangalore, IIM, NITIE Mumbai or IISER, or at an equivalent level in any such Indian or Foreign Institution of comparable standards as may be decided by IIT Indore.

(B) Pay structure:

1. Assistant Professor (On-contract): Pay Band-3 (Rs. 15,600 - 39,100) with seventeen non-compounded advance increments (minimum starting pay of Rs. 26,620/-) with Academic Grade Pay of Rs. 6,000/- p.m. The total emoluments in the minimum of pay in pay band is Rs 62,987/- p.m. They will move after 1 year to Academic Grade Pay of Rs. 7,000/- p.m. in PB-3. And the total emoluments in the minimum of pay in pay band will be Rs 66,706/- p.m.

2. Assistant Professor: Minimum pay of Rs. 30,000/- in Pay Band-3 (Rs. 15,600 - 39,100) with Academic Grade Pay of Rs. 8,000/- p.m. The total emoluments in the minimum of pay in pay band is Rs 72,940/- p.m. On completion of 3 years service as Assistant Professor, shall move to Pay Band-4 (Rs. 37,400 - 67,000) with Academic Grade Pay of Rs. 9,000/- p.m. And the total emoluments in the minimum of pay in pay band will be Rs 88,480/- p.m.

3. Associate Professor: To be appointed in Pay Band-4 (Rs. 37,400 - 67,000) with Academic Grade Pay of Rs. 9,500/- p.m. For direct recruits, minimum pay in the Pay Band-4 will be fixed at Rs. 42,800/- p.m. The total emoluments in the minimum of pay in pay band will be Rs 99,395/- p.m.

4. Professor: To be appointed in Pay Band-4 (Rs. 37,400 - 67,000) with Academic Grade Pay of Rs. 10,500/- p.m. For direct recruits, minimum pay in the Pay Band will be fixed at Rs. 48,000/- p.m. The total emoluments in the minimum of pay in pay band will be Rs 1,10,865/- p.m.

Interested candidates should apply on the **prescribed application form** which may be downloaded from the Institute website (www.iiti.ac.in). Completed applications for various disciplines may be sent by e-mail to Heads of respective Schools:

All Engineering disciplines: School of Engineering: **hose@iiti.ac.in**;
All Humanities & Social Science disciplines: School of Humanities: **hosh@iiti.ac.in**.
All Science disciplines: School of Basic Sciences: **hoss@iiti.ac.in**;

Enquiries: Tel.: +91 731 2438756 (Ms. Varsha Jain); E-mail: padofa@iiti.ac.in

(C) Preferred areas of specializations:

(A) School of Engineering: The School of Engineering is looking for outstanding and highly-motivated candidates for faculty positions in Computer Science and Engineering, Electrical Engineering and Mechanical Engineering. Candidates must have demonstrated research capability through refereed publications and should be willing to teach a broad spectrum of UG and PG courses in the respective disciplines. The School is specifically looking for candidates with a focus on the following specializations.

Discipline	Areas of Specialization
Computer Science and Engineering	Data Mining, Data Warehousing, Entertainment Computing, Visualization, and Computer Graphics, High Performance Computing, Parallel Computing, Computer Architecture, Distributed Computing, Systems Software, Compiler Design, Intelligent Computing, Soft Computing, Computer Networks, Digital Design, Human Computer Interaction, Systems Security, Database Management Systems, Computational Geometry, Image Processing, Game Theory.
Electrical Engineering	Electrical Machines, Power Systems, Power Electronics, Communication Networks and Theory, Wireless/Mobile communications, Optical Communications, Signal Processing, Speech, Image and Video Processing, Information Theory and Coding, Antennas, RF and Electromagnetics, Microprocessor and Microcontroller, Control Systems and Automation, Electronics and Industrial Instrumentation.
Mechanical Engineering	Design Engineering: Solid Mechanics, Kinematics and Dynamics of Machines, Machine Design, CAD, Geometric Modelling, Computational Mechanics, Finite Element Analysis, Experimental Stress Analysis, Fracture and Fatigue, Photoelasticity, Composites, Vibration and Noise Control, Mechatronics, Automatic Control, Smart Materials and Structures, MEMS, NEMS, Bio-materials. Production Engineering: Casting, Metal Forming, Advanced Machining, Welding, Micromachining, CAM and CIM, Rapid Product Manufacturing, Industrial Automation. Thermal Engineering: Heat Transfer, Fluid Mechanics, Fluid Machinery, CFD, Applied Thermodynamics, IC Engines, Turbo-Machinery, Gas Dynamics and Jet Propulsion, Energy Conversion, Conservation and Storage, Non-conventional Energy, Power Plant Engineering, Industrial Engineering: Quality Management, Operations Research, Engineering Optimization, Non-traditional Optimization Techniques. Engineering Metrology

(B) School of Humanities and Social Sciences: School of Humanities and Social Sciences invites applications from qualified and highly motivated candidates for faculty positions at the levels of Assistant Professor, Associate Professor and Professor in the disciplines of Economics, Psychology, Philosophy and Sociology. The School offers a wide range of courses for the institute's B.Tech programme and also runs its Ph.D. programme in these disciplines.

Discipline	Areas of Specialization
Psychology	All areas (particularly Human Resource Management, Personality and Social Psychology, Industrial and Organization Psychology)
Sociology	All areas (In particular Environmental Sociology)
Economics	Monetary Economics, Econometrics, Industrial Economics, Macroeconomic Policy, Public Finance
Philosophy	Logic, Philosophy of Science

(3) School of Sciences: The School of Basic Sciences invites applications from outstanding, highly-motivated candidates for faculty positions at the levels of Assistant Professor, Associate Professor, and Professor in the following disciplines with areas of specialization as mentioned below.

Discipline	Areas of Specialization
Chemistry	Polymer Chemistry, Statistical Mechanics, Total Synthesis (Organic), Natural Product Chemistry, Main Group Chemistry, Bio-inorganic Chemistry, Magnetochemistry
Physics	Atomic and Molecular Physics, Laser Physics, Non – Equilibrium Statistical Physics (Plasma Physics), Non Linear Dynamics / Plasma Astrophysics, Mesoscopic Physics, Condensed Matter Physics, Soft Condensed Matter Physics, Galactic Astrophysics, Strongly Correlated Systems, High Energy Physics, Lattice / LHC Phenomenology, Quantum Computation.
Mathematics	Probability and Statistics, Functional Analysis/ Operator Theory, Topology, Analysis, Linear Algebra, Fluid Dynamics, Differential Equation, Number Theory, Theoretical Computer Science, Discrete Mathematics/ Graph Theory/ Combinatorics, Differential Geometry, Algebraic Geometry, Operation Research/ Optimization, Coding Theory/ Cryptography, Bio Mathematics

(D) General Instructions & Notes:

01. Mere eligibility will not entitle any candidate for being called for interview.

02. Applicants who do not fulfil the minimum experience requirements may be offered an appointment on contract.

03. The requirements of minimum qualification and/or experience may be relaxed in the case of candidates with outstanding credentials, as evidenced by excellent publication record, research experience, etc.

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

05. Applicants not found suitable for higher positions may be considered for lower positions in the same area of specialization.

06. Separate application forms should be submitted for each post.

07. No correspondence whatsoever will be entertained from candidates regarding conduct and result of interview and reasons for not being called for interview.

08. This is a standing advertisement and there is no last date for sending applications. The institute will review applications from time to time and will call short-listed candidates for interview.