ROLLING ADVERTISEMENT FOR APPOINTMENT OF FACULTY POSITIONS AT THE LEVEL OF ASSISTANT PROFESSOR

Advertisement No. IIT(BHU)/FA/Rolling Advt/2024

To apply: click here

IIT (BHU), Varanasi invites online applications from well qualified and meritorious Indian Nationals and Oversees Citizens of India (OCIs) for faculty positions at the level of Assistant Professor in the various Science and Engineering Departments and interdisciplinary Schools. Persons of Indian Origin (PIO) and Foreign Nationals can also apply for faculty positions for contractual appointments up to five years, which can be renewed further.

Departments: Architecture, Planning & Design#, Ceramic Engineering, Chemical Engineering & Technology, Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics Engineering, Mechanical Engineering, Metallurgical Engineering, Mining Engineering and Mathematical Sciences, **Biochemical Engineering and Chemistry**.

Preferred areas of specialization for the post of Assistant Professor in the above-mentioned Departments/Schools are attached as Annexure-A.

This is a ROLLING ADVERTISEMENT. There is no last date and application can be submitted throughout the year. However, the processing of applications will be done by the Departments/Schools as per the cut off date fixed the Institute.

Qualifications & Experience:

Assistant Professor Grade-I: PhD with first class or equivalent (in terms of grades etc.) at the preceding degree in the appropriate branch, with a very good academic record throughout. Three years teaching/research/industrial experience from the date of award of PhD (excluding the experience gained while pursuing PhD or any other lower degrees) as on the date of application. The experience should be in a reputed organization. The candidates should have demonstrated strong research capabilities in terms of publications in reputed peer reviewed journals of good impact factor and/or patents.

Assistant Professor Grade-II: PhD with first class or equivalent (in terms of grades etc.) at the preceding degree in the appropriate branch, with a very good academic record throughout. The candidates should have demonstrated strong research capabilities in terms of publications in reputed peer reviewed journals of good impact factor and/or patents. Such candidates may be appointed on contract.

The Assistant Professors Grade-II will be eligible for placement as Assistant Professor Grade-I on completion of three years teaching/research/industrial experience in reputed organizations from the date of award of PhD (excluding the experience gained while pursuing PhD) as per the Institute norms.

 # Candidates applying for a faculty position in the Department of Architecture, Planning and Design must have a valid Council of Architecture (COA) registration certificate and a scanned copy of the same should be uploaded along with the documents.

Pay Structure:

Assistant Professor Grade-I: Academic Pay Level-12 (Rs.101500-167400). For direct recruits minimum pay in Academic Pay Level-12 is to be fixed at Cell No.1 Rs.101500/-. On completion of 3 years service as Assistant Professor Grade-I, the incumbent shall move to Academic Pay Level 13A1 (Rs.131400-204700) as per the Institute norms.

Assistant Professor Grade-II: Academic Pay Level-10 (Rs.57700-98200). The minimum starting pay is to be fixed in Academic Pay Level-10 at Cell No.8 Rs. 70900/-. On completion of one year experience from the date of award of PhD (excluding the experience gained while pursuing PhD), the incumbent shall move to Academic Pay Level-11 and after three years to Academic Pay Level-12 as Assistant Professor Grade-I as per the Institute norms.

The salary carries all other allowances as admissible to a Central Government employee stationed at Varanasi. The fringe benefits, such as HRA, LTC, medical re-imbursement, education allowance for children, contribution towards New Pension Scheme (NPS), reimbursement of telephone bills, book grants, research initiation grant (up to Rs. 10 lakhs), financial support towards national and international conferences etc. shall be permitted as per the Institute norms. Relocation charges towards transportation of personal effects are also provided as per the Institute norms.

Probation: The period of probation in regular appointment will be one year.

Reservation: Without any compromise on qualification, experience and competence reservation to SCs, STs & OBCs candidates as per the Ministry of Education, Govt. of India(GoI) Rules will be applicable. GoI policy on reservation including EWS and Divyang will be followed for faculty positions.

Application Procedure: Candidates willing to apply for the post of Assistant Professor may fill up only **online form available at the link (https://facultyrecruitment.iitbhu.ac.in/) and upload the necessary enclosures. They need not send any hard copy of the application form.** The Institute will contact them after fixing a cut off date, as per its selection criteria. **Any other mode of submission of application will not be entertained or accepted.**

Notes:

(i) Mere eligibility will not entitle any candidate for being called for interview.

(ii) Interviews will be scheduled based on the need of the Departments/Schools/Institute.

(iii) Applicants for the post of Assistant Professor, who do not fulfill the minimum experience requirements, may be offered an appointment on contract.

(iv) The requirements of minimum qualification and/or experience may be relaxed in the case of candidates with outstanding credentials.

(v) *Reservation as per GoI norms.*

(vi) The Institute reserves the right to fill or not to fill any or all the post(s) advertised without assigning any reason.

(vii) Applicants not found suitable for higher positions may be considered for lower positions in the same area.

(viii) All correspondence should be addressed to the **Office of the Faculty Affairs, Indian Institute of Technology (BHU), Varanasi-221005, India. Email: help.facultyrecruitment@iitbhu.ac.in.** For any clarification, candidates may contact the Office of the Faculty Affairs on the above address.

(ix) Contact details of Heads/Coordinators of the Departments/Schools are available at the Institute website http://www.iitbhu.ac.in. The candidates may also approach them for any specific clarification.

ADDITIONAL INFORMATION

1. Candidates applying for a position in more than one Department/School are required to fill separate application forms through online mode.
2. All enclosures and the application form must bear full name and signature of the candidate on each page at the bottom.
3. The candidate is responsible for the correctness of the information provided in the online application form. If it is found at a later stage that any information given in the online application is incorrect/false the candidature/appointment is liable to be cancelled/terminated.
4. Depending upon the exceptional qualification and experience, higher initial pay may be offered to deserving candidates as decided by the Selection Committee.
5. Candidates called for presentation as well as the interview will be paid second AC railway fare from the nearest Railway station of the place of duty or residence to Varanasi for an overnight journey. **Economic Airfare by Air India only** will be paid for a long distance journey within India from the local airport of place duty/residence. In addition, candidates will be paid Taxi fare from residence/place of duty to local Railway Station/Airport and back as well as Varanasi Railway Station/Airport to the Institute & Back. Free boarding & lodging at the Institute Guest House would also be provided.
6. Applicants, who are employed in Government, Semi-Government Organizations or Institutions, should send their application **THROUGH PROPER CHANNEL** else they will be required to produce a **NO OBJECTION CERTIFICATE** from their employer at the time of interview.
7. The Institute reserve the right to restrict the number of candidates for interview to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement and other academic achievements.
8. No information will be sent to those candidates who are not short-listed for interview. No correspondence, whatsoever, will be entertained from the candidates regarding conduct and result of interview and reasons for not being called for interview or selection.
9. For availing reservation, the candidates must enclose desired certificates in the prescribed format with the application form.
10. Foreign Nationals who are Persons of Indian Origin (PIO), if selected, permission will be sought from Govt. of India before he/she can join the Institute. Other Foreign Nationals, if selected, appointment will be on a contract basis for up to five years subject to permission from Govt. of India before he/she can join the Institute.
11. Political and security clearance from Ministries of External Affairs and Home Affairs is necessary in every case for individuals with foreign passports.

Area of Specialization for the post of Assistant Professor

Annexure- A

Sl. No	Department/ School	New Area of Specialization (s)	
		Area	**Sub-Area**
1	Mining Engineering	Mine Planning & Design	Mineral Benefication
			Metal Mining
			Mining Method
			Mine Design
			Mining Machinery
			Mining Geology
			Surface Mining
			U/G Coal Mining
			Noble method of Mining
			Mine Automation
			Mine Surveying
		Mine Environment	Mine ventiation
			Mine Fire
			Mine Safety and Ergonomics
			Surface Mining Environment
			Sub-Surface Environment
2	Computer Science & Engineering	Artificial Intelligence & Computer Vision	Artificial Intelligence, Multi Objective Optimization, Machine Learning, Deep Learning, Soft Computing, Computer Vision, Image/Video Processing, Multimedia, Sentiment Analysis, Natural Language Processing, Information Retrieval, Reinforcement Learning.
		Data Engineering & High Performance Computing	Parallel/Distributed Computing, Dig Data Analytics, DBMS, Cloud Computing
		Systems & Networks	Quantum Computing, Computer Architecture, IoT, Wireless Sensor Networks, Network Security, Bio-Computing, Software Engineering, 5G Networks, Block-Chain
		Theoretical Computer Science	Algorithms, Theory of Computation, Graph Theory, Cryptography, Queening Theory, Game Theory
3	Civil Engineering	Environmental Engineering & Management	Water Supply & treatment Waste Water Management with special relevance to reuse and recycle-01 Solid Waste Management/Air Quality Control Engg
		Engineering Geoscience	Applied Geology & M.Tech. in Engineering Geosciences
		Geo-informatics	Photogrammetry, Geodesy, Web GIS, Microwave Remote Sensing, Digital Imaging Processing, Topographical Surveying
		Geotechnical Engineering	Unsaturated Soil mechanics, Rock Mechanics, Geohazards.
		H&WR Engineering	Turbulent Flow

		Structural Engineering	AI & IoT in structural health monitoring, Applications of Computational mechanics in Structural Engg. Metamaterial Modelling and synthesis AI Inhanced earthquake Engg. & desaster mitigation.
		Transportation Engineering	Planning and Design of Waterways and Pipelines Sustainable Highway Construction Pavement Material Evaluation analysis and design Geometric Design and intelligent transportation system.
4	Chemical Engineering & Technology	Modelling, Simulation and Optimization	
		Computation Fluid Dynamics	
		Process dynamics and Control	
		Multiphase flow	
		Computational Catalysis	
		Chemical Process Design	
		Advanced materials for energy optimization	
5	Mechanical Engineering	Design Thinking, Sensors and Biotribology, Micro Elecro-mechanical System (MEMS), Robotics & Cybernetics.	
		Renewable Energy Technologies, (Hydrogen, Electric Mobility, PV and Fuel Cell Technology, Solar-Wind-biomass-Geothermal, etc.), Experimental and numerical thermal and fluid science.	
		Micro-Nano Manufacturing, Additive Manufacturing, Unconventional Manufacturing, Data Driven Manufacturing, IOT, COBOT & Automation, Micro-nanomachining.	
		Simulation and Data Driven Decision Making, Machine Learning and Blockchain Technology, Large scale optimization.	
		Manufacturing automation, Digital manufacturing and nano-macro manufacturing.	
6	Mathematical Sciences	Topology	
		Statistics	
		Algebra	
		Functional Analysis	
		Complex Analysis	
		Complex Geometry	
		Computational Fluid Dynamics	
		Finite Element Analysis	
		Algorithm -	
		Fluid Dynamics	
7	Electronics Engineering	Specialization	Area / Sub Area
		Microelectronics (ME)	Photonics; Neuromorphic; MEMS / Silicon Photonics, Quantum Photonics, Quantum Computing, MEMS
		Digital Techniques and Instrumentation (DTI)	Microprocessor, Microcontroller based system design, Digital System Design / Image Processing, Embedded Systems Design; Real Time Operating System,

				Speaker Identification, Speech recognition
		VLSI Architecture and Chip Design (VACD)	Analog VLSI; Digital VLSI; Mixed Signal Circuit Design; VLSI Architectures; VLSI based signal processing; Physical Design;	Neuromorphic Computing, CAD tool development; MMIC, System-on-Chip (SoC), Chip Design, IC packaging
8	Architecture, Planning & Design	Architectural Conservation		
		Landscape Architecture		
		Urban Design		
		Building Engineering Management		
		Design		
		General Architecture		
		Interior Design		
		Disaster Mitigation and Management		
		Advance Building Construction and Building Services or allied field relevant to Architecture.		
9	Electrical Engineering	Electrical Machines and Drives, Power Systems, Control Systems Engineering and Power Electronics		
10	Metallurgical Engineering	Foundry & Near-Net Shape Processing		
		Metal Joining		
		Extraction of Ferrous and Non-Ferrous Metals		
		Processing of Secondary Metals & Alloys		
		Thermodynamics of Materials.		
11	Ceramic Engineering	Advanced solid state materials, including dielectric, magnetic and ferroelelectric materials		
		Semiconductor, optoelectronic, quantum and energy devices		
		Multifunctional nanostructured materials and thin films		
		Ultra-high temperature materials		
		Composites materials and coatings		
		Ceramic additive manufacturing and 3D printing		
		Theorectical and Computational materials		
		Bio-Ceramics, bioglass, and Bioelectronics for healthcare applications		
		Modern glass and glass ceramic for specified applications		
		Recyclable, sustainable and circular economy		
12	Biochemical Engineering	BioFuel		
		Agro-Biochemical Engineering		
		Cell and gene therapy		
		Translational nano medicine		
		Food Engineering		
		Metabolic Engineering		
		Bioinstrumentation and Control		
		Bioreactor Design and Scale-up/Plant Design		

13	Chemistry	Inorganic Chemistry	Coordination Chemistry
			Supramolecular Chemistry
		Organic Chemistry	Natural Products (Carbohydrate Chemistry)
			Asymmetric Organic Synthesis
		Physical Chemistry	Solid State Chemistry
			Electrochemistry
		Polymer Chemistry	