INDIAN INSTITUTE OF TECHNOLOGY DELHI
HAUZ KHAS, NEW DELHI-110016

Rolling Advertisement No. IITD/2024/AP-2 Dated 12.07.2024 for the post of Assistant Professor (Grade-I/II)

IIT Delhi invites applications from individuals with an established record of independent, high-quality research and commitment to teaching and research for faculty positions at the level of **Assistant Professor (Grade-I/II)** in various academic units**.**

The various Academic Units (Departments, Centres, and Schools) recruiting Assistant Professors in their areas are given below. Department wise specialization areas, specific qualifications/experience are specified in Annexure-I.

S. No.	Department/Centre/School	S. No.	Department/Centre/School
1	Department of Applied Mechanics	13	Department of Mechanical Engineering
2	Department of Biochemical Engineering & Biotechnology	14	Department of Textile and Fibre Engineering
3	Department of Chemical Engineering	15	Centre for Atmospheric Sciences (CAS)
4	Department of Civil Engineering	16	Centre for Automotive Research and Tribology (CART)
5	Department of Computer Science & Engineering	17	Centre for Biomedical Engineering (CBME)
6	Department of Design	18	Centre for Rural Development and Technology (CRDT)
7	Department of Electrical Engineering	19	Sensors, Instrumentation and Cyber-Physical System Engineering (SeNSE)
8	Department of Energy Science & Engineering	20	Optics and Photonics Centre (OPC)
9	Department of Humanities and Social Sciences	21	School of Public Policy (SOPP)
10	Department of Management Studies	22	School of Artificial Intelligence (ScAI)
11	Department of Material Science and Engineering	23	Transportation Research and Injury Prevention Centre (TRIPC)
12	Department of Mathematics		

The CEI (RTC) Act (2019) for SC/ST/OBC-NCL/EWS categories as well as the RPwD Act (2016) for persons with benchmark disabilities will be applicable. Candidates should upload their valid SC/ST/OBC-NCL/PwBD/EWS certificates issued by the appropriate authority in the prescribed format of Government of India, along with the application. Eligibility of Persons with Benchmark Disabilities (PwBD) for recruitment at IIT Delhi is specified in **Annexure-II**. The extent of reservation will be as follows: SC-15%; ST-7.5%; OBC(NCL)-27%; EWS-10%; PwBD-4%. Women candidates are especially encouraged to apply. Foreign nationals will be appointed on contract basis, initially for 5 years. The contract can be renewed after the 5-year tenure gets over. Those applying as foreign nationals will need to get a work visa from the Government of India.

Basic qualification and experience for the posts are given below. Age should be preferably below 35 years, and any relaxation in age will be applicable as per the Government of India norms.

A. ASSISTANT PROFESSOR (Grade I & Grade II)
QUALIFICATION & EXPERIENCE

A.1.   Ph.D., with first class or equivalent in the preceding degree. Specialization in the appropriate area/branch with consistently good academic record throughout. Candidates should have good communication skills, a commitment to high quality undergraduate and postgraduate education, and demonstrated ability to carry out original and creative research. Specific qualifications and specialization areas sought in each academic unit are available as **Annexure-1**.

A.2.   Assistant Professor Grade-I: Candidates with at least three years of industrial/research/teaching experience may be considered for the post. The experience gained before and while pursuing Ph.D. is excluded for consideration.

A.3.   Candidates with PhD but with less than three years of industrial/research/teaching experience may be considered for the post of Assistant Professor (Grade II).

B. APPLICATION SUBMISSION AND DEADLINE:

B.1.   Applications are to be submitted online. The advertisement is available at (https://home.iitd.ac.in/jobs-iitd/index.php). As a precaution, after submitting the application through the website, please retain a copy of the application. In case of any queries regarding the application submission, please contact:

<div align="center">

Faculty Recruitment Cell (E-I)
MS-207/C-18, 2nd Floor, Main Building,
Indian Institute of Technology Delhi,
Hauz Khas, New Delhi-110016, INDIA
Telephone: +91-11-2654-8733
E-mail: fac_recruit@admin.iitd.ac.in

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B.2.   The completed application along with the supporting documents should be submitted **on or before December 31, 2024, 5:00 PM (IST)**

B.3.   Please login to our site (https://ecampus.iitd.ac.in/IITDFR-0/login) and check the status of the application.

B.4.   For any technical help regarding the application submission, please contact: eadminhelp@admin.iitd.ac.in or hodcc@admin.iitd.ac.in

C. INSTRUCTIONS FOR COMPLETING THE APPLICATION FORM

C.1.   The application form/data sheet is a summary sheet mainly for data collection for statutory and statistical purposes, and all sections as specified in D.2 of this document should be detailed in the Academic Profile as given below.

Separate online applications must be filled in if a candidate is applying for a faculty position in more than one academic unit (Department/Centre/School). Candidates having

overlapping interests in more than one academic unit can be considered for joint appointment, if selected.

C.2. Upload a detailed Academic Profile which includes the following information:

C.2.1. Cover Letter.
C.2.2. Applicant profile with <u>personal details</u> and <u>academic qualifications</u>. All Educational qualification certificates including the date of Ph.D. Defense must be submitted/uploaded along with the application form.
C.2.3. <u>Work Experience</u> and <u>detailed teaching plan</u>, indicating core courses from the IITD Courses of Study list (available at the IITD website) that you can teach, and an expanded statement of your objectives and long-term interests in coursework development.
C.2.4. Awards and recognition: Name of the prize/award, awarded by, awarded for, year of the award.
C.2.5. Details of journal/conference papers and list of books published.
C.2.6. A <u>detailed research plan</u> highlighting your current and past research interests and achievements. Also, include your short- and long-term research plans. If applicable, highlight the accomplishments of <u>research scholars guided</u>, any <u>sponsored research and consulting projects</u> as PI or co-PI, <u>industrial and administrative experience</u>, <u>patents, and technologies developed</u> with the year and details about the patent, etc.
C.2.7. Any other activity like Continuing Education Programs/conferences organized (as an organizer or co- organizer) etc., service roles like institution building and student-centric roles.
C.2.8. List of referees who can be contacted to send letters of reference.

D. AREAS OF SPECIALISATION

D.1. The document containing details of specific areas currently being sought for Assistant Professor recruitment in different academic units is available as **Annexure-1**.
Further details regarding various Departments, Faculty, Academic Programmes, and Areas of Research can be reviewed at the individual departmental websites and at www.iitd.ac.in.

E. PAY STRUCTURE

E.1. **ASSISTANT PROFESSOR Grade-I: 7th CPC Pay Level 12 (₹ 1,01,500-1,67,400) with Minimum Pay of ₹ 1,01,500/-**
For direct recruits, minimum starting pay to be fixed in Academic Pay Level-12 at Cell No.1 ₹ 1,01,500/. Faculty directly recruited into Grade-I and those moving from Grade-II will serve a one-year probation. On completion of 3 years as Assistant Professor Grade-I, the incumbent shall move to Academic Pay Level-13A1 (₹ 1,31,400 - 2,04,700).

E.2. **ASSISTANT PROFESSOR Grade-II: 7th CPC Pay Level 10 (₹ 57,700-98,200) with Minimum Pay of ₹ 70,900/-**
The minimum starting pay to be fixed in Academic Pay Level-10 at Cell No.8 ₹ 70,900/-. After one year of experience, the incumbent shall move to Academic Pay at Level-11. Subsequent placement in Assistant Professor Grade-I will be based on meeting experience requirements.

E.3. The posts carry allowances such as Dearness Allowance (DA), House Rent Allowance (HRA), Transport Allowance (TA) and telephone charges reimbursement as per Institute rules, which at present correspond to those admissible to Central Government employees stationed in Delhi. The benefits of LTC, Children Education Allowance, and contribution towards New Pension Scheme (NPS) shall be permissible as per GoI rules.

E.4. Depending upon the qualifications and experience, a higher starting salary may be offered in deserving cases as decided by the Selection Committee.

F. OTHER SUPPORT FOR PROFESSIONAL ADVANCEMENT OF FACULTY

F.1. For candidates joining the Institute from abroad - Reimbursement of one-way economy class airfare for travel for new recruits and his/her immediate family for joining the Institute from his/her current place of work abroad and relocation allowance up to a maximum of ₹2,50,000/- or actual whichever is less, subject to the condition that they serve the Institute for a minimum period of 3 years.

F.2. For candidates joining the Institute from within India - Reimbursement of one-way economy class airfare for travel for new recruits and his/her immediate family for joining the Institute from his/her current place of work in India and relocation allowance up to a maximum of ₹1,25,000/- or actual whichever is less, subject to the condition that they serve the Institute for a minimum period of 3 years for new recruits.

F.3. Candidates are eligible for "Young Faculty Incentive Fellowship", initially for a period of 3 years from date of joining or till their movement to Pay Level 13A1 whichever is earlier.

F.4. A start-up Grant of up to ₹ 20 lakhs for carrying out research for a period of 3 years. The Institute also provides an additional grant of ₹ 30 lakhs as matching equipment grant to create new capability/high-value research facility in emerging areas via special project funding from external agencies.

F.5. A Professional Development Allowance (PDA) of ₹ 3 lakhs for every block period of 3 years (Rupees one lakh per year) is made available to every member of the faculty on reimbursable basis to meet the expenses for participation in national and international conferences, payment of membership fee of professional bodies and contingent expenses **(subject to revision on account of 7th CPC).**

F.6. Faculty members are eligible for certain Chair Professor Positions that entitle them to a grant of ₹ 5 lakhs per annum for an initial period of 3 years, extendable up to 5 years.

F.7. The Institute endeavours to provide suitable accommodation to all faculty. However, initially new faculty may have to stay in transit accommodation inside or outside the campus. Newly joined faculty members can also avail accommodation outside the campus on lease till regular accommodation is provided in the campus. Institute supports payment of monthly rental of up to ₹ 50,000/- for the same.

F.8. The Institute encourages interaction of the faculty with industry, other research and professional institutions for research projects and consultancy.

F.9.   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 high performance computing. The Institute has a well-stocked library.

F.10.   Professional visits can be undertaken during vacation period for carrying out scientific research work.

F.11.   Flexible Sabbatical Leave facility to collaborate with other researchers and industry.

F.12.   Medical Insurance for cashless in-patient treatment in leading hospitals and free outpatient support in the well-equipped Institute Hospital for the employees and their dependents.

F.13.   Extending into an area of 320 acres, the campus is imaginatively laid out with a picturesque landscape with clean and wide roads. Most of the day-to-day facilities are available on the Campus including banks, post office, small shopping centre, play school, Crèche for children, hospital, sports facilities including a swimming pool and vast playgrounds for field games. Cultural facilities include film clubs, classical music societies, debating and drama, hobbies club and the Staff Club.

G. ADDITIONAL INFORMATION

G.1.   Candidates employed in Government and Semi-Government Organizations, Public Undertakings, University and Educational Institutions must apply with the consent of their present employers. If they anticipate unavoidable delay in their applications being forwarded through proper channel, they may submit advance copies of their applications through the portal with information to the Dean (Faculty), IIT Delhi or submit No Objection Certificate at the time of interview. All experience certificates mentioning designation, pay, and tenure must be duly signed and sealed by the employer.

G.2.   Candidates should submit their valid SC/ST/OBC-NCL/PwBD/EWS certificates, issued by the competent authority in the prescribed format along with the application form in support of their claim. A current OBC-NCL/EWS certificate issued by the appropriate authority be submitted as per the prescribed format of Government of India.

G.3.   The Institute reserves the right to fill or not fill any or all the posts advertised.

G.4.   The invitation to candidate for interview merely indicates that it is felt that he/she with others may be suitable for the post and conveys no assurance whatsoever that he/she will be recommended or selected, or his/her conditions specified in the application will be accepted.

G.5.   The Institute reserves the right to call for interview only those candidates shortlisted on the basis of their qualification, experience, research, publication records, and requirements of individual academic units. Thus, merely fulfilling the minimum eligibility criteria will not vest any right on any candidate for being called for an interview. The decision of the Institute in all matters will be final.

G.6.   No correspondence whatsoever will be entertained from candidates regarding the reason for not being called for interview/outcome of interview.

G.7.   The Institute may consider candidates whose area of specialization and specific qualification lie outside those stated herein, provided these persons have an outstanding record.

G.8.   Outstation candidates called for personal interview will be reimbursed to & fro 2-Tier AC Railway fare or economy class airfare by the shortest route, between the current place of duty /residence within India and Delhi. If coming from abroad for a personal interview, reimbursement will be limited to Rs.40,000/- (Rupees forty thousand only) or the actual fare whichever is less based on the shortest route to Delhi. Air tickets should be booked through the following agencies.
   a. M/S Balmer Lawrie & Co. Ltd
   b. M/S Ashoka Travels and Tours
   c. M/S Indian Railways Catering and Tourism Corporation Ltd.

G.9.   The candidate is responsible for the correctness of the information provided in the application. If it is found later that any information given in the application is incorrect, appointment is liable to be cancelled/terminated.

G.10.   Candidates can get in touch with the Head of the concerned academic unit for additional information.

Annexure – I of Rolling Advertisement No. IITD/2024/AP-2 Dated 12.07.2024

Institute minimum shortlisting criteria for an Assistant Professor (Grade I and Grade II):
- Ph.D. with 3 years' experience (excluding the experience gained while pursuing Ph.D.) only for Grade I.
- For Grade II, PhD. is the qualifying requirement.
- First class or equivalent grade in preceding degree in respective discipline, with a consistently good academic record.
- Demonstrated ability to teach and communicate well.
- Maximum age is 35 years for male and 38 years for female candidates (to be relaxed by 5 years in case of persons with physical disability, SC and ST and 3 years in case of OBC-NCL).
- At least 4 refereed conference/journal papers, of which at least 2 should be in reputed journals.
- Individual academic units may have additional shortlisting criteria and can be seen below.

Areas in which applications are sought in academic units with additional shortlisting criteria:

S. No.	Academic Unit	Areas	Additional Criteria for Shortlisting in the Academic Unit
1	DEPARTMENT OF APPLIED MECHANICS	Solid mechanics, Fluid mechanics, Design engineering, and interdisciplinary areas of mechanics including but not restricted to Product Design, Biomechanics, Multiscale mechanics, Multifunctional materials and structures, Structural health monitoring, soft robotics, Machine learning in mechanics, Two-phase flows, Environmental fluid flows, Granular flows, Turbulence, Solid-fluid interactions, etc.	**Publication Record:** Minimum 4 papers with at least 3 SCI/SCIE listed reputed journal papers as first author. **Academic background:** At least one degree from Engineering Discipline.
2	DEPARTMENT OF BIOCHEMICAL ENGINEERING & BIOTECHNOLOGY	Research Area- Metabolic engineering, synthetic biology, enzyme and bioprocess technology, bioreactors, mammalian cell technology, downstream processing.	**Publication Record:** Published at least 3 original research articles in reputed journals as first author. **Academic background:** Chemical Engineering or Biochemical Engineering is preferred. Exceptional candidates with other

			academic backgrounds will be considered.
3	DEPARTMENT OF CHEMICAL ENGINEERING	Preferable research areas: • Energy, environment, and sustainability • Healthcare technologies • Novel materials • Process systems engineering with a focus on AI and ML	**Academic background:** Required B. Tech or equivalent in Chemical Engineering or allied areas such as Biochemical Engineering and/or Biotechnology, and Petroleum Engineering/ Technology and/or PetrochemicalsEngineering/ Technology. **Publication Record:** Candidate should have published at least 4 peer-reviewed original research articles (in SCI journals) with 3 as first author in Journals with an impact factor of at least **3.0**. **Additional:** Applicants who have completed their Ph. D from IIT Delhi, should have at least 3 years of post-doctoral or research experience outside of IIT Delhi
4	DEPARTMENT OF CIVIL ENGINEERING	**Environmental Engineering:** Solid and Hazardous Waste Engineering, Air Pollution Control Engineering, Water and Wastewater Engineering, Environmental Systems Modelling and Environmental Impact Analysis. **Geotechnical Engineering:** Geo-Environmental Engineering, Rock Engineering. **Materials and Structures**: Computational Mechanics, candidates with exceptional credentials in all specializations related to Structural Engineering are also encouraged to apply. **Construction Management:** Construction Management including Project Management, candidates with exceptional credentials in all specializations related to construction/project management are also encouraged to apply.	**Academic Background:** Bachelor's degree in engineering or technology in Civil/ Construction/ Environmental/ Structural/ Infrastructure or any other relevant degree in Engineering or Technology as found suitable by the Professorial Committee based on the recommendation from the respective Section. First class with a minimum of 70% marks or CGPA of 7.0/10 throughout in all the degrees previous to PhD. **Publications:** * For Grade-I: At least 6 refereed conference/journal papers (of which at least 4 should be in reputed journals). * For Grade-II: At least 4 refereed conference/journal papers (of which at least 2 should be in reputed journals). **Other additional minimum criteria for initial screening:** (a) Journals falling in WEB OF SCIENCE would be considered as reputed journals for recommendation purposes. (b) Moratorium of three years for the candidates who have completed PhD from IIT Delhi. (c) Candidates who appeared for Stage-2 interaction will not be considered for recommendation for a period of two cycles from the last date of submission of the application of cycle considered.

		Transportation Engineering: Transportation and Traffic Planning, Transportation and Traffic Engineering, Pavement Engineering. **Water Resources Engineering:** Water Resources Engg., including remote sensing/GIS, and numerical modelling in hydraulics, hydrology, and groundwater.	
5	DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING	Priority areas for hiring are quantum computing, computational and systems biology, security and cryptography, autonomous intelligent systems, scientific computing, architecture and design automation, formal methods and static analysis, compiler design and optimization, embedded and cyber-physical systems, parallel and distributed computing and systems, networks, databases and data analytics, human computer interaction, collaborative computing and computational neuroscience. Outstanding candidates in other areas of computer science will also be considered. Candidates with an interdisciplinary or applied research focus are expected to demonstrate a strong research profile in core computer science areas.	**Publication Record:** At least 4 papers in reputed journals/peer-reviewed conferences. Should have demonstrated overall quality of research workand its impact and relevance to CSE.
6	DEPARTMENT OF DESIGN	We are looking for candidates specialising in all areas of Design including Industrial design, Communication design, Interaction design, and other relevant Design domains. Candidates should have an educational background in Design.	**Experience@:** 3 years** (Pre+post Ph.D. relevant experience in years) @Experience gained while pursuing Ph.D. is not considered towards total experience **Applicants with less than 3 years of total experience (Pre +post Ph.D. relevant experience in years) will be considered for Assistant professor Grade II

			Publications: 5 (At least 3 should be research papers)
7	DEPARTMENT OF ELECTRICAL ENGINEERING	In all areas of Electrical Engineering including Electronics & Circuits, Control &Automation, Communication, Computer Engineering, Power Systems, Power Electronics, Machines & Drives.	**Academic background:** Basic (Bachelor's/Master's) degree must be in one of the following (or in equivalent specialization): 1) B.Tech. Electrical Engineering 2) B.Tech. Electrical and Electronics Engineering 3) B.Tech. Electronics and Communication Engineering 4) B.Tech. Control/Instrumentation 5) B.Tech. Computer Science 6) B.Tech. Information Technology 7) B.Tech. Energy Studies 8) M.Sc. Physics (Electronics Specialization) 9) Integrated Master's degree or equivalent in these areas. (10) The basic degree can be in any other engineering discipline or M.Sc. Physics (Electronics Specialization) with Master's and/or Ph.D. degree in Electrical Engineering/Electronics Engineering/Computer Science & Engineering for exceptional cases. (11) In the case of specialization in Control Engineering, in view of its interdisciplinary nature, degrees in other engineering disciplines can be considered with minor area in Electrical Engineering/Electronics Engineering/Computer Science & Engineering for exceptional cases. **Publication Record**: At least 4 refereed conference/journal papers (of which at least 2 should be in reputed journals). **Additional:** (1) First class or equivalent grade in all degrees in respective discipline with a consistently good academic record. (2) Potential for very good teaching. (3) Shortlisting as special case: i) Granted patents in lieu of journal papers ii) age more than 35
8	DEPARTMENT OF ENERGY SCIENCE & ENGINEERING	Photovoltaic Devices and Modules, Energy Storage, Electrical Power Systems, Thermodynamics, Fluid Mechanics, Heat Transfer, and Combustion pertaining to Energy Systems, Intelligent Energy Systems, Wind	**Publication Record:** Minimum 5 with at least 3 in reputed journals. **Academic background:** The eligible essential undergraduate academic degree for all the positions:

		energy systems, Energy systems modelling and simulations.	(i) Chemical Engineering (ii) Electrical Engineering /Electrical and Electronics Engineering (iii) Energy Engineering (iv) Mechanical Engineering (v) Physics (at PG level) (vi) Energy Science and Engineering (at PG level)
9	DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES	**Psychology**: Positive, Cognitive, and Social Psychology. **Philosophy**: Positions open in all sub-disciplines of philosophy, with a special focus on the following areas: Ethics, Metaphysics, Epistemology, Social and Political Philosophy, History of Philosophy, Classical Indian Philosophy, Aesthetics, Logic and formal methods, Philosophy of Science, Philosophy of Language, Philosophy of Mind and Cognition. Applications are especially welcome from philosophers with access to philosophical texts in non-English languages, and who belong to diverse traditions of philosophy in different parts of the world.	Detailed criteria for reputed journals considered by the department may be found in **Annexure-III**.
10	DEPARTMENT OF MANAGEMENT STUDIES	Micro economics, Macro-economics and Econometrics, Simulation Modelling, Probabilistic/Stochastic Modelling, Service Operations, Behavioral Modelling, The Future of Work & Workforce, Normative Ethical and Sustainable Processes, Positive Organizational Psychology, Business Analytics - Big Data / Natural Language Processing / Deep Learning / AI Digital Transformation - loT / Blockchain / Information Security Management Extended Reality and Digital Platforms, Entrepreneurial Finance, Strategic Management, Technology Management, Strategic Innovations, Strategic	**Reputed Journals:** a) Rating A and above in ABDC Journal Quality b) 3 and above in Academic Journal Guide c) 1.00 and above as Thompson Reuters d) 1.5 and above in Scopus

		Entrepreneurship, Marketing Research and Marketing Analytics	
11	DEPARTMENT OF MATERIAL SCIENCE AND ENGINEERING	All areas of Materials Science and Engineering	**Publication Record:** At least 7 publications (relaxation canbe considered in the case of exceptional candidates) in reputed refereed journals, with at least 3 publications as first communication author in the last 3 years. Research Area should be relevant to the current requirement of research and/ or teaching in the department. **Academic background:** All faculty applicants should have agood academic track record with at least 60% marks at all levels.
12	DEPARTMENT OF MATHEMATICS	Algebra, Partial Differential Equations, Numerical Analysis, Harmonic Analysis, Topology, Functional Analysis, Theoretical Computer Science, Optimization, Prob-ability, Statistics.	**Publication Record:** Minimum 5 Journal indexed in JCR/ AMS/ Scopus (4 in reputed journals*) atleast 1 paper published within the 2 yrs. Prior to the date of application. *Reputed Journal Criteria a) at least 0.5 JCR impact factor as published by Thomson Reuters b) at least 0.4 MCQ as published by AMS mathSciNet c) Q1, Q2 list of journals of SJR (Scopus) in the subject area). **Academic background:** Master's degree in Mathematics/ Applied Mathematics/ Operations Research/ Statistics/ Computer Science and bachelor's degree in (B.Sc./ B.A/ B.Tech./ B.S. in Science or engineering/ technology). In case of a candidate having only a bachelor's degree before a Ph.D., he/she must have a first class meaning more than 60% or a 6/10 CGPA. **Additional:** If an applicant has been awarded Ph.D. from IITDelhi, then the candidate must have a three-year gap from the date of defending the thesis. The applicant must not have been rejected against any advertised faculty position of IIT Delhi within one year prior to this advertisement.
13	DEPARTMENT OF	All areas of Design, Production, Thermofluids	

	MECHANICAL ENGINEERING	and Industrial Engineering - Operations Research & Analytics that are aligned with the current and projected research areas of the department.	
14	DEPARTMENT OF TEXTILE & FIBRE ENGINEERING	Textile Engineering, Textile Technology, Textile Chemistry, Fibre Science & Technology, and other Engineering and Sciences (such as Civil, Mechanical, Chemical, Electrical/ Electronics, Materials, Polymers, Computers, Mathematics, Physics, Chemistry, Biosciences and Management) with demonstrated research experience in areas relevant to textiles and fibres.	**Publication Record:** At least 4 refereed SCI indexed journals papers. **Additional:** Those who have applied in the last one year for Assistant Professor position, and not shortlisted/ selected on any criteria other than experience, shall not be considered for one year from the date of interview of that round of selection.
15	CENTRE FOR ATMOSPHERIC SCIENCES (CAS)	Modelling and data assimilation in oceanography; Biogeochemical cycles; Weather and climate forecasting; and Meteorological observations. Exceptional candidates in all the other areas of atmospheric and oceanic sciences will also be considered.	**Publication Record:** At least 4 high-quality papers relevant to CAS in reputed journals demonstrating excellence in scientific research. **Additional:** Candidates who have previously been approved for Stage-II interaction will not be considered unless there is a substantial improvement in their research profile.
16	CENTRE FOR AUTOMOTIVE RESEARCH AND TRIBOLOGY (CART)	Vehicular Telematics and Embedded System for EVs, Connected and Autonomous EVs, Vehicle Propulsion, Automotive body design and crash analysis, Automotive Component Design.	**Publication Record:** At least 4 refereed journals papers in the advertised area (area suitable to the theme of centre). **Academic background:** Minimum 4 years undergraduate (bachelor's degree) in an engineering discipline is a must.
17	CENTRE FOR BIOMEDICAL ENGINEERING (CBME)	**Bio Instrumentation**: Electrical Engineering, Electronics, Medical Sensors. **Biomechanics**: Medical Implants, Mechanical Engineering, Design Engineering, Production Engineering, Material Science & Engineering. **Bio Imaging**: Electrical, Electronics, Optical. **Biomaterials**: Synthesis & Manufacturing, Processing, Characterization, Clinical	**Academic Record:** 1st Class throughout **Publication Record:** Minimum 6 research Publications (3 with 1 Authorship) in peer reviewed reputed journals. Impact factor >= 2.0 for Engg. Background and Impact factor >= 3.0 for non Engg. background candidates. **Other:** For applicants with an immediate degree from IIT Delhi a 6-years cooling off period (spent at another organization) is recommended.

		applications.	
18	CENTRE FOR RURAL DEVELOPMENT AND TECHNOLOGY (CRDT)	Rural resource planning and rural amenities; Bioenergy, biofuels and their upgradation; Water resource management in rural areas; Food biochemistry with rural application; Frugal innovation and design for rural communities; Biomass valorisation; Food grain storage, preservation, & storage structure engineering for rural applications; Decentralised wastewater treatment	**Publication Record:** Should have published at least 3 original research articles (review articles are excluded) and out of which at least 1 as first author in reputed journals listed in SCI or WoS. When the candidate is not the first author, the work reported in paper should belong to doctoral or postdoctoral work of the candidate. **Academic background:** First class or equivalent grade in all preceding degrees in respective discipline, with a consistently good academic record. Doctoral research work should have potential for rural application **Other:** Potential for good teaching.
19	CENTRE FOR SENSORS, INSTRUMENTATION AND CYBER-PHYSICAL SYSTEM ENGINEERING (SeNSE)	Sensor design and test methodologies; Sensor integration, automation and embedded systems; Smart sensors with AI; Multi-sensor data fusion; Electronic instrumentation; Sensing and imaging for industrial and biomedical applications; Cyber-physical systems; Optical sensors and LASER based Instrumentation; Systems for sensing, imaging and measurement; Precision optics, precision opto-mechanical machining; Micro/nano fabrication and metrology; Micro-electromechanical systems; Spectroscopy and microscopy; Augmented/virtual reality; Instrumentation for robotic systems, mechatronics and computer vision; Quantum sensing, devices, technology, and information processing	**Publication Record:** At least 8 refereed conference/ journal papers (of which at least 5 should be in reputed journals), atleast 3 reputed journals in the last 3 years, at least 3 reputedjournals as the first author. **Additional:** Should not have been interviewed in the last 1year (previous two cycles).
20	OPTICS AND PHOTONICS	Quantum Photonics, Integrated Photonics,	**Publication Record:** Minimum 8, with at least 4 as first

	CENTRE (OPC)	Computational Photonics, Optical-System Design and Engineering, Optical Imaging and Displays Technologies, Fiber Optics, Optical Communication, Optical Sensors, Laser Science and Technology, Ultrafast Optics, Nanophotonics, Plasmonics, Photonic Metamaterials, Biophotonics, Green Photonics, Statistical Optics, Terahertz Photonics, Nonlinear Optics, Optical Storage Devices, Photonic Devices, and other relevant areas.	author in reputed optics related journals. (All in journals with IF≥ 1.5, where IF is the impact factor as followed by Thomson Reuters.) **Academic background:** First class throughout. Ph. D. in Optics and Photonics areas.
21	SCHOOL OF PUBLIC POLICY (SoPP)	The applicants must have a demonstrated track record of research in the area of public policy with a broad focus on Science, Technology & Innovation (STI) and Development, and expertise in one or more of the specific areas of (1) Energy & Environment (2) Health innovations & systems (3) Sustainable Habitats (4) Agriculture, Food & Water (5) Industry & Economy (6) Internet, Digital Information & Society (7) Innovation Systems & Processes, and (8) Technical Higher Education.	**Publication Record:** At least 4 S&T-oriented policy papers* in peer-reviewed journals/published proceedings of peer- reviewed conferences, with at least 2 in reputed journals. (*) Since authored books, edited volumes, and chapters in edited volumes are key channels of disseminating scholarly work by policy researchers and social scientists, such sources will be given appropriate consideration as to whether they are equivalent to journal publications. A chapter in a scholarly edited volume/book may be considered equivalent to a single journal paper (and an authored book to more than one journal paper), subject tosuch works being deemed equivalent to not more than 5 journal papers.
22	SCHOOL OF ARTIFICIAL INTELLIGENCE (ScAI)	In all areas of artificial intelligence, Subareas of interest include (but are not limited to) deep learning, reinforcement learning, probabilistic models, data mining, information retrieval, multi-agent systems, knowledge representation and reasoning, mathematical foundations of AI, ethics of AI, applied AI such as NLP, computer vision, robotics, AI on the edge, etc., and applications of AI to domain areas such as healthcare, agriculture,	**Publication Record:** Candidate is required to fulfil a minimum requirement of 4 papers in the indexed journal/conferences. At least two of these papers should be in reputed venues. The candidate should have demonstrated overall quality of research work, and its impact and relevance for AI.

		education, industry 4.0, etc. ScAI strongly encourages applicants with demonstrated track-record of working at the intersection of an application area and the AI fields. More details are found at http://www.scai.iitd.ac.in	
23	Transportation Research and Injury Prevention Centre (TRIPC)	TRIP Centre, which focuses on reducing adverse health effects of road transport, welcomes applications from candidates with demonstrated track record of research and expertise in one or more of: (1) Transport planning and road safety. (2) Sustainable transport safety. (3) Vehicular pollution (air/thermal/noise) (4) Urban studies; (5) Transport equity (6) Automotive safety; (7) Impact biomechanics; (8) Transport economics (9) Transport geography; (10) Statistics, with a focus on population studies and demographics, (11) Injury and chronic disease epidemiology; and (12) Climate change and disaster risk reduction.	**Other:** Candidates who have previously appeared for Stage II interaction will not be considered again for shortlisting until one year after the date of such interaction.

INDIAN INSTITUTE OF TECHNOLOGY DELHI
HAUZ KHAS, NEW DELHI -110 016
(Establishment I Section)

/ No. IITD/IESI/2023/ ,9DS1\ / Dated: .2t>.09.2023

Subject: Eligibility of the Persons with Benchmark Disabilities (PwBD) for recruitment at IIT Delhi for different Academic positions: regd

A committee was constituted titled "Committee for recruitment issues related to Persons with Benchmark Disabilities (PwBD)" with a mandate to identify faulty positions that can be held by Persons with Benchmark Disabilities (PwBD). The committee submitted its recommendations for the consideration of the Board of Governors (BoG). The Board of Governors (BoG) in its meeting dated 11.08.2023 approved the recommendations of the committee vide resolution number **BG/04/2023.**

The following policy points are approved by the Board of Governors (BoG):

1. Only such persons will be eligible for reservation in service who suffer from not less than 40% of relevant disability duly certified by the Competent Medical Board.
2. As per the Government of India (Gel) rules, in case of direct recruitment, four (04) percent of the total vacancies are to be filled up by direct recruitment in the cadre strength in each group of posts, i.e., Groups A, B, C and D, shall be reserved horizontally for persons with benchmark disabilities.
3. An Institute-level reservation will be applicable for PwBDs. No separate academic unit-wise roster will be prepared.
4. The selection committee may take the final call on the ability of the PwBD candidate to undertake research and teaching assignments at IIT Delhi based on their disability as stated in the following table.

Designation	Physical Requirement	Category	Nature of work to be performed	Working condition
Professor, Associate Professor, Assistant Professor and other non-teaching Academic positions.	S (Sitting), SE (Seeing), W (Walking), BN (Bendir'lg), MF (Manipulation with fingers)	(a) B (Blind) LV (Low Vision) (b) D (Deaf) HH (Hard of Hearing) (c) OA (One Arm), BA (Both Arms), OL (One Leg), BL (Both Leg), OAL (One Arm and One Leg), LC (Leprosy Cured), Ow (Dwarfism), AAV (Acid Attack Victims) (d) ASD (Autism Spectrum Disorder (M==Mild), SLD (Specific Learning Disability), MI (Mental Illness) (e) MD (Multiple Disabilities) involving (a) to (d) above	They teach UG/PG students under Science/Engineering/ Humanities and Social Science ManagemenV Policy and Design. The'y conduct research and guide research work. They deliver lectures and conduct seminars & workshops, set examination papers and evaluate answer books. Maintain class registers and records.	The work is performed mostly inside. The work places are well lighted and assessable. Incumbent needs to be considered with appropriate software and aids & appliances.

The above guidelines are forwarded for necessary information.

(बरंजन मुखर्जी) / (Debjaranjan Mu erje)
3tr ←,fi flRlct (BIT.- I)/ Deputy Registrar (Estt.-I)

To: Heads of all academic units

Copy: DR Director's Office
Dean (Faculty)

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

<u>Shortlisting criteria for Faculty Positions</u>

Minimum shortlisting criteria for an Assistant professor (Grade I and Grade II):

- Ph. D with 3 years' experience (excluding the experience gained while pursuing Ph. D) only for Grade I. For Grade II, PhD is the qualifying requirement.
- First class or equivalent grade in Master's degree, with a consistently good academic record.
- Demonstrated ability to teach and communicated well.
- Maximum age is 35 years for male and 38 years for female candidate (to be relaxed by 5 years in case of persons with physical disability, SC and ST and 3years in case of OBC).
- At least 4 refereed conference/journal papers/book chapters, of which at least 2 should be in reputed journals/academic presses/conferences.

Minimum shortlisting criteria for an Associate Professor:

- PhD with 6 years' experience (excluding the experience gained while pursuing PhD) of which at least 3 years should be as Assistant Professor, Grade I in IIT, NIT or equivalent.
- First class or equivalent grade in Master's degree, with a consistently good academic record.
- Applicants who hold or have held faculty positions should have a good track record of teaching basic and advanced courses in their field. Teaching feedback may be sought for this purpose. Others from Industry / Research Labs should provide a detailed statement of the types of courses they are comfortable teaching and are willing to teach at IIT Delhi. For such applicants (without prior teaching experience or feedback), the department may seek additional evidence of excellence in their respective area of expertise.
- At least 10 refereed conference/journal papers/book chapters, of which at least 4 should be in reputed journals/conferences/academic presses, of which at least 2 should have been published in the last 3 years.
- At least one sponsored R&D or consulting project as a PI, or two sponsored R&D or consulting projects as Co-PI.

Minimum shortlisting criteria for a Professor:

- PhD with 10 years' experience (excluding the experience gained while pursuing PhD) of which either:
    - At least 4 years should be as Associate Professor or equivalent, or
    - At least 8 years should be as Associate Professor or equivalent (in case of institutions where the post of Associate Professor or equivalent does not exist).
- First class or equivalent grade in Master's degree; with a consistently good academic record.
- Applicants who hold or have held faculty positions should have a good track record of teaching basic and advanced courses. Teaching feedback may be sought for his purpose. Others from Industry /Research Labs should provide a detailed statement of the kind of courses they are comfortable teaching and are willing to teach at IIT Delhi. For such applicants (without prior teaching experience), the department may seek additional evidence of excellence in their respective area of expertise.
- At least 20 refereed conference / journal papers/book chapters, of which at least 8 should be in reputed journals/conferences/academic presses, out of which at least 3 should have been published in the last 4 years.
- Should have guided independently at least one PhD student, or have guided at least two PhD students jointly with other faculty / researchers and demonstrate a consistent record of PhD supervision.
- Should have completed:
    a) One sponsored R&D or consulting projects as PI, and
    b) One additional sponsored R&D or consulting projects as a PI, or two additional sponsored R&D or consulting projects as a Co-PI.

Note 1:

1. **The Department / Centre / School may enhance the institutes minimum shortlisting criteria listed above (Note Below):**
2. **In case of exceptionally outstanding candidates on some fronts, criteria on one other front(s) may be relaxed and justified by the faculty search committee (FSC).**

1. **The following equivalence list will be considered for assessing the number of publications:**

A. Authored Publications

a) Journal article (not including book reviews) (equivalent to 1 publication)

b) Book chapter in a contributory volume / edited book (equivalent to 1 publication)

c) Authored book / monograph (equivalent to 5 publications)

d) Co-authored book / monograph (equivalent to 2.5 publications)

e) Thesis converted to book (equivalent to 5 publications)

f) Review essay (Equivalent to 0.5 publications).

B. Publication of scholarly contributory volumes (edited books or journal special issues)

a) Edited book / journal special issue as sole editor (equivalent to 2.5 publications)

b) Co-edited book / journal special issue (equivalent to 1 publication)

C. Publications of Scholarly translations (applicable to Literature)

a) Translated article in a journal / anthology (equivalent to 0.5 publications)

b) Translated book (equivalent to 3 publications)

D. Publications of Field reports (applicable to Linguistics)

a) Book Chapter /journal article (equivalent to 1 publication)

b) Monograph (equivalent to 3 publications)

E. Peer-reviewed conference proceedings

Based on a selection process, peer-reviewed, retrievable from a published (online/print) archive, one conference proceeding will be counted as 1 publication.

2. **Reputed publications will be assessed in the following manner**

Journals and books/book chapters published by any of the following (this list is not exhaustive):

A. **University presses** in India, USA, UK, Europe, Australia……., including EPW (for EPW, only special articles are considered).
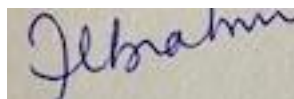
B. **Publishers** such as: Taylor and Francis, Sage, Bloomsbury, De Gruyter, Polity, Verso, Humanities Press, Orient Blackswan, Permanent Black, Navayana, Springer, Wiley, Macmillan, Palgrave, Yoda, Equinox, Elsevier, Rowman and Littlefield, Pearson etc.

C. **Rating of A and above** in the ABDC Journal Quality list published by the Australian Business Deans Council. For the list of journals meeting these criteria, please refer to http://www.abdc.edu.au.

D. **Rating of 3 and above** in the ranking of the Academic Journal Guide published by Chartered Association of Business Schools. For the list of journals meeting this criterion, please refer to https://charteredabs.org.

E. **CiteScore metric of 1 and above** in the Journal Metrics provided by Scopus Journal Indexing Service. For the list of journals meeting this criterion, please refer to the website of the Scopus database https://www.scopus.com/sources.uri

F. **SCImago Journal Rank Indicator of Q2 and above** provided by Scimago Journal Rank. For the list of journals meeting this criterion, please refer to the website of the Scimago database https://www.scimagojr.com

Signature of HoD