

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

Advertisement No. IITD/EST-1/03/2023 Dated 14.10.2023
Special Drive for SC/ST/OBC-NCL/PwBD/EWS

IIT Delhi invites applications from individuals who belong to SC/ST/OBC-NCL/PwBD/EWS category 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)**.

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.	Applied Mechanics	15.	Physics
2.	Biochemical Engineering & Biotechnology	16.	Textile and Fibre Engineering
3.	Chemical Engineering	17.	Centre for Applied Research in Electronics (CARE)
4.	Chemistry	18.	Centre for Atmospheric Sciences (CAS)
5.	Civil Engineering	19.	Centre for Automotive Research and Tribology (CART)
6.	Computer Science & Engineering	20.	Centre for Biomedical Engineering (CBME)
7.	Design	21.	Centre for Rural Development and Technology (CRDT)
8.	Electrical Engineering	22.	Sensors, Instrumentation and Cyber-Physical System Engineering (SeNSE)
9.	Energy Science & Engineering	23.	Transportation Research and Injury Prevention Centre (TRIP-C)
10.	Humanities and Social Sciences	24.	Optics and Photonics Centre (OPC)
11.	Management Studies	25.	Kusuma School of Biological Sciences (KSBS)
12.	Material Science and Engineering	26.	School of Public Policy (SOPP)
13.	Mathematics	27.	School of Artificial Intelligence (ScAI)
14.	Mechanical Engineering		

The total number of vacancies in this special recruitment round is approximately 25. Vacancies are based on the institute as one unit. Women applicants from the reserved categories are encouraged to apply. 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.

Qualification and Experience:

Basic qualification and experience for the posts are given below. Qualification, experience, and age will be reckoned as on Dec 15, 2023.

A. QUALIFICATION & AGE

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-I.

Applicants for this position shall preferably be below 35 years as on Dec 15, 2023. Age relaxation will be applicable as per the Government of India norms.

B. EXPERIENCE

B.1. ASSISTANT PROFESSOR (Grade I & Grade II)

B.1.1. Assistant Professor: 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.

B.1.2. 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).

C. APPLICATION SUBMISSION AND DEADLINE:

C.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:

Deputy Registrar (E-I)
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110016, INDIA
Telephone: +91-11-26591716/26591709
E-mail: fac_recruit@admin.iitd.ac.in

C.2. The completed application along with the supporting documents should be submitted **on or before December 15, 2023, 5:00 PM (IST)**

C.3. Please login to our site (<https://ecampus.iitd.ac.in/IITDFR-0/login>) and check the status whether the application has been received or not.

D. INSTRUCTIONS FOR COMPLETING THE APPLICATION FORM

- D.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.

- D.2. Upload a detailed Academic Profile which includes the following information:
- D.2.1. Cover Letter.
 - D.2.2. Applicant profile with personal details and academic qualifications. All Educational qualification certificates including the date of Ph.D. Defense must be submitted/uploaded along with the application form.
 - D.2.3. Work Experience and detailed teaching plan, 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.
 - D.2.4. Awards and recognition: Name of the prize/award, awarded by, awarded for, year of the award.
 - D.2.5. Details of journal/conference papers and list of books published.
 - D.2.6. A detailed research plan highlighting your current and past research interests and achievements. Also, include your short- and long-term research plans. If applicable, highlight the accomplishments of research scholars guided, any sponsored research and consulting projects as PI or co-PI, industrial and administrative experience, patents, and technologies developed with the year and details about the patent, etc.
 - D.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.
 - D.2.8. List of referees who can be contacted to send letters of reference.

E. AREAS OF SPECIALISATION

- E.1. The document containing details of specific areas currently being sought for recruitment in different academic units is available as Annexure-I.
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.

F. PAY STRUCTURE

- F.1. **ASSISTANT PROFESSOR Grade-I: 7th CPC Pay Level 12, Minimum Pay: ₹ 101500/-**
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).

- F.2. **ASSISTANT PROFESSOR Grade-II: 7th CPC Pay Level 10, Minimum Pay: ₹ 70900/-**
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.
- F.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.
- F.4. Depending upon the qualifications and experience, a higher starting salary may be offered in deserving cases as decided by the Selection Committee.

G. OTHER SUPPORT FOR PROFESSIONAL ADVANCEMENT OF FACULTY

- G.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.
- G.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.
- G.3. Candidates for the post of Assistant Professor 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.
- G.4. A start-up Grant of ₹ 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.
- G.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)**.
- G.6. Faculty are eligible for 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.

- G.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.
- G.8. The Institute encourages interaction of the faculty with industry, other research and professional institutions for research projects and consultancy.
- G.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.
- G.10. Professional visits can be undertaken during vacation period for carrying out scientific research work.
- G.11. Flexible Sabbatical Leave facility to collaborate with other researchers and industry.
- G.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.
- G.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.

H. ADDITIONAL INFORMATION

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

- H.4. The Institute reserves the right to restrict the number of candidates for interview to a reasonable limit based on qualifications, experience, and other academic achievements higher than the minimum prescribed in the advertisement.
- H.5. 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.
- H.6. 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.
- H.7. No correspondence whatsoever will be entertained from candidates regarding the reason for not being called for interview/outcome of interview.
- H.8. The Institute may consider candidates whose area of specialization and specific qualification lie outside those stated herein, provided these persons have an outstanding record.
- H.9. 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.
- H.10. 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.
- H.11. Candidates can get in touch with the Head of the concerned academic unit for additional information.

Annexure – I of Special Drive Advertisement No. IITD/EST-1/03/2023 Dated 14.10.2023

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 Biomechanics, Nanomechanics, Multifunctional materials and structures, Structural health monitoring, Soft robotics, Machine learning in mechanics, Two-phase flows, Environmental fluid flows, Granular flows, Solid-fluid interactions, Naval Architecture, etc.	<p>Publication Record: Minimum 4 papers with at least 3 in reputed journal.</p> <p>Academic background: At least one degree from Engineering Discipline.</p>
2	DEPARTMENT OF BIOCHEMICAL ENGINEERING & BIOTECHNOLOGY	DBEB is an interdisciplinary department open to both scientists (biologists, chemists, physicists) and engineers (chemical, biochemical). We are particularly interested in candidates engaged in the rational development of processes for production of biochemicals using microbial, mammalian and plant cell cultures. We are equally interested in candidates involved in the development of enabling tools or technologies for the above processes such as metabolic engineering, synthetic biology, computational biology and systems biology. Bioprocess and metabolic Engineering (Mammalian Cell Technology, Enzyme	<p>Publication Record: Published at least 3 original research articles in reputed journals as first author.</p> <p>Academic background: Chemical Engineering or Biochemical Engineering. Special Consideration for Bioreaction Engineering or Metabolic Engineering or Bioseparations. Exceptional candidates in other areas will be considered.</p>

		bioreactors, Bio-separation Engg with specialization in Chromatography and Nano-filtration, Genome Engineering), Systems and Computational biology (Quantitative biology, Synthetic biology) and Molecular biology of disease, Diagnostics and Bio-nanotechnology (Nano-biosensors, Therapeutics/drug delivery)	
3	DEPARTMENT OF CHEMICAL ENGINEERING	All areas of Chemical Engineering, the candidate should have undergraduate education in chemical or allied engineering disciplines.	<p>Publication Record: Minimum 4 with at least 3 as first author with impact factor at least 3.0.</p> <p>Academic background: Required Bachelor's in B.Tech or equivalent in Chemical Engineering or allied areas such as Biochemical Engineering and/or Biotechnology, and Petroleum Engineering/ Technology and/or Petrochemicals Engineering/ Technology.</p> <p>Additional: The Applicants who have completed their Ph.D from IIT Delhi, should have at least 3 yrs. Of post-doctoral or research experience outside of IIT Delhi</p>
4	DEPARTMENT OF CHEMISTRY	All areas of Physical, Organic, Inorganic, Materials and Biochemistry.	Publication Record: Minimum 8 publications with at least 4 as first author.

5	DEPARTMENT OF CIVIL ENGINEERING	<p>Environmental: Water and Waste Water Engg. Air Pollution Control Engg. Solid and Hazardous Waste Engg.</p> <p>Geotechnical: Geotechnical Engg., geo-environmental Engg, Rock Mechanics and Rock Engg.,</p> <p>Structures: Structural Engg. Construction Materials, Construction Management,</p> <p>Transportation: Transport and Traffic planning, Transportation and Traffic Engg., Pavement Engg.,</p> <p>Water Resources: Water Resources Engg, and related areas.</p>	<p>Publication Record: Minimum 6. and at least 4 in reputed Journals.</p> <p>Academic background: Bachelor's degree in Engineering or technology in Civil/ Construction/ environment/ Structural/ Infrastructure or any other relevant degree in Engineering or Technology as found suitable by the committee.</p> <p>First class with minimum 70% marks or CGPA of 7.0/10 throughout in all the degrees previous to Ph.D.</p>
6	DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING	<p>High Performance Computing and Visualization, Machine Learning and Artificial Intelligence, Wired and Wireless Networks, Mobile Computing Cyber – physical Systems & Internet of Things(IOT), Algorithms &Complexity, Logic & Verification, Information Management, Information Retrieval, Data Analytics and Data Sciences, Computer Vision, Graphics & Robotics, Programming Languages, Semantics, Analysis & Language Implementation, Distributed & Multicore Computing, Operating Systems and Cloud Computing, Cryptography and Cryptosystems, Systems and Information Security, Human Computer Interaction, Embedded Systems, Computer Architecture, VLSI and Design Automation.</p>	<p>Publication Record: At least 4 papers in reputed journals/ peer-reviewed conferences.</p> <p>Should have demonstrated overall quality of research work and its impact and relevance to CSE.</p>

7	DEPARTMENT OF DESIGN	We are looking for Designers with a Ph.D. specialising in or having expertise in the areas of Design such as Industrial Design, Communication Design, Interaction Design, and other relevant domains of design.	Criteria of Evaluation: i) Expertise of Design ii) Potential of Teaching iii) Design Practice iv) Design Research
8	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. 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

9	DEPARTMENT OF ENERGY SCIENCE & ENGINEERING	Renewable Energy Technologies, Energy Storage, Electrical Power Systems, Power Electronics, Electrical Machines and Drives, Control and Instrumentation for Energy Applications, Electronic Devices, Thermodynamics, Fluid Mechanics, Heat Transfer, and Combustion pertaining to Energy Systems. Plasma Science and Technology, Experimental Plasma Science and Technology, Solar Photovoltaic Devices, Solar Thermal Technology.	<p>Publication Record: Minimum 5 with at least 3 in reputed journals.</p> <p>Academic background: The eligible essential undergraduate academic degree for all the positions:</p> <ul style="list-style-type: none"> (i) Chemical Engineering (ii) Electrical Engineering / Electrical and Electronics Engineering (iii) Energy Engineering (iv) Mechanical Engineering (v) Physics (at Postgraduate level) (vi) Energy Science and Engineering (at PG level)
10	DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES	Economics, History, Literature, Linguistics, Philosophy, Psychology, Sociology .	Detailed criteria for reputed journals considered by the department may be found in Annexure-III .
11	DEPARTMENT OF MANAGEMENT STUDIES	Operations & Supply Chain Management, Marketing Management, Strategic Management, Technology Management, Telecom Systems Management, Human Resource Management, Organizational Studies, Corporate law, Finance, Economics, Information Systems, Business Analytics-Big Data/Natural Language Processing/Deep Learning/AI, Digital Transformation- IoT/Blockchain/Information Security Management, Entrepreneurship,	<p>Reputed Journals :</p> <ul style="list-style-type: none"> a) Rating A and above in ABCD 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
12	DEPARTMENT OF MATERIAL SCIENCE AND ENGINEERING	Material synthesis, processing and characterization, Materials modeling, polymeric materials, Alloys, composites and structural materials, Functional	Publication Record: At least 7 publications (relaxation can be considered in the case of exceptional candidates) in reputed referred journals, with at least 3 publications as first communication author in the last 3 years.

		materials, Nanostructured materials, Materials for sustainable technology and process Metallurgy and Corrosion Science and Engineering.	Research Area should be relevant to the current requirement of research and/ or teaching in the department. Academic background: All faculty applicants should have a good academic track record with at least 60% marks at all levels.
13	DEPARTMENT OF MATHEMATICS	All areas of Pure and Applied Mathematics, Probability, Statistics, Optimization, Scientific Computing, Theoretical Computer Science and Machine Learning and Data Science.	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 PhD, 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 IIT Delhi, then the candidate must have a three year gap from the date of defending the thesis.
14	DEPARTMENT OF MECHANICAL ENGINEERING	All areas of Design and Production and Industrial Engineering-Operations Research & Analytics. Further, outstanding candidates in the area of thermofluids with strong fundamentals in the domain of their specialization. Applicants in the areas of Industrial Engineering-Operations	

		Research & Analytics specializations are especially encouraged to apply.	
15	DEPARTMENT OF PHYSICS	<ol style="list-style-type: none"> 1. Experimental and Theoretical Condensed Matter Physics 2. Computational and Statistical Physics 3. High Energy Physics 4. Physics of Quantum Matter and Information System 5. Plasma Physics 6. Optics and Photonics 7. Astrophysics 8. Atomic and Molecular Physics 	<p>Publication Record: Minimum 10 in Journals of repute with impact factor \geq 1.5 at least 4 papers as first author OR Min 8 with impact factor \geq 1.5 at least 4 papers as first author and cumulative impact factor (of the 8 papers) \geq 20.</p>
16	DEPARTMENT OF TEXTILE & FIBRE ENGINEERING	Textile Engineering, Textile Technology, Textile Chemistry, Fibre Science & Technology, and other Engineering and Science (such as Civil, Mechanical, Chemical, Electrical/Electronics, Materials, Polymers, Mathematics, Physics, Chemistry, Bio-Sciences and Management) with demonstrated research experience in areas relevant to textiles and fibres.	<p>Publication Record: At least 4 referred SCI indexed journals papers.</p> <p>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.</p>

17	CENTRE FOR APPLIED RESEARCH IN ELECTRONICS (CARE)	<p>Microwaves and RF: RFIC and RFMEMS, Imaging and Surveillance, RF Digital Co-design, Active and Reconfigurable Antennas and Arrays, High Power Solid-State Systems, Non-linear Modeling and Measurements, Components & Systems up to THz;</p> <p>Microelectronics: MEMS and Microsystems, Micro sensors development for defense and space applications, High speed electronic devices and circuits, Quantum Electronic devices for Quantum Information Technology;</p> <p>Signal Processing: Acoustic Signal Processing, Underwater and Air Acoustics, Speech and Audio Processing, Signal Processing for Communications, Sensor Array Signal Processing, Multi-sensor Data Fusion, Machine Learning for Signal Processing, Signal Processing for Internet-of-Things;</p> <p>Multi- disciplinary: Modern Radar Systems.</p>	<p>Publication Record: Minimum 6 with at least 3 in reputed journal and at least 2 of these should be in the last 3 years. Area of Expertise should be relevant to CARE. Potential for very good applied research and development work.</p> <p>Academic background: First class from Bachelor's degree onwards.</p>
18	CENTRE FOR ATMOSPHERIC SCIENCES (CAS)	All areas of Atmospheric and Oceanic Science.	<p>Publication Record: At least 4 high-quality papers relevant to CAS in reputed journals demonstrating excellence in scientific research.</p> <p>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.</p>

19	CENTRE FOR AUTOMOTIVE RESEARCH AND TRIBOLOGY (CART)	Power Electronics, Electric drive train and controls for EVs, Battery, Battery management systems and other storage technologies for EVs, EV charging infrastructure and smart charging solutions, Vehicular Telematics and Embedded system for EVs, Connected and Autonomous EVs, Vehicle dynamics and control. Ancillary services and Demand Side Management (DSM) with EVs. Standards, policies and regulations for EVs, Connected and Autonomous EVs, Development of Tribomaterials and smart materials for EVs, Tribo-dynamics, Lubrication and lubricants, friction and wear control, studies of bulk material handling, NVH and condition monitoring, reliability and maintenance.	Publication Record: At least 4 referred 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.
20	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: Manufacturing, Processing, Characterization.	Publication Record: Minimum 6 research publications (3 with 1st Authorship) in peer reviewed. Impact Factor > or = to 2.0 for Engg. Background, > or = to 3.0 for Non Engg.

21	CENTRE FOR RURAL DEVELOPMENT AND TECHNOLOGY (CRDT)	Rural Resources, Energy systems & Infrastructure; Resilience & Climate Change; Disruptive Technologies; Engineering Design, Artisanal/Agricultural Tools & Crafts; Indian Knowledge system, Skill Development & Entrepreneurship; Water resource management, Sanitation & Soil Health; Microbial & Biomass Technologies; Food science & Nutrition, Food processing & Technology (All above areas in rural context)	<p>Publication Record: Should have published as first author at least 3 original research articles (review articles are excluded) in SCI Journals.</p> <p>Academic background: First class in all preceding degrees. Relevance of research for the activities of CRDT.</p>
22	CENTRE FOR SENSORS, INSTRUMENTATION AND CYBER-PHYSICAL SYSTEM ENGINEERING (SeNSE)	See details at http://bit.ly/SENSE-faculty-advertisement	<p>Publication Record: At least 8 referred conference/ journal papers (of which at least 5 should be in reputed journals), at least 3 reputed journals in the last 3 years, at least 3 reputed journals as the first author.</p> <p>Additional: Should not have been interviewed in the last 1 year (previous two cycles).</p>
23	TRIP-Centre (Transportation Research and Injury Prevention Centre)	Transport planning and traffic safety, Automotive safety, Impact biomechanics, sustainable transport safety; vehicular pollution, transport economics, transport geography (statistics/epidemiology with a focus on population and demographics.	<p>Publication Record: Journals listed in SCOPUS considered as reputed journals. Single author book published by a reputed publisher such as University press, will be considered equivalent to 4 peer review journal publications.</p> <p>Additional: Candidates who appeared for Stage II interactions will not be considered for shortlisting for a period of one year starting from their date of presentation. Moratorium of 3 years for candidates with Ph.D from IIT Delhi</p>

24	OPTICS AND PHOTONICS CENTRE	Optical Engineering, Optical Instrumentation and Metrology, Optical Imaging, Fiber Optics, Integrated Optics, Optical Communication, Optical Sensors, Laser Science and Technology, Ultrafast Optics, Silicon Photonics, Nanophotonics, Plasmonics, Biophotonics, Green Photonics, Statistical and Quantum Optics, Quantum Photonics, Terahertz Photonics, Optical Metamaterials, Nonlinear Optics, Optical and Magneto-optical Storage Devices, Photonic Devices, and other relevant areas.	Publication Record: Minimum 8, atleast 4 as first author (all in journals with IF> or =1.0) Academic background: Ph.d in Optics and Photonics areas.
25	KUSUMA SCHOOL OF BIOLOGICAL SCIENCES (KSBS)	Basic/ Fundamental research in Biological Sciences in the areas of Structural Biology, Infectious diseases & non-communicable disorders and cognitive & computational neurosciences. Protein Engineering & Protein Aggregation, Peptide Therapeutics and related areas.	Publication Record: I. At least 10 peer reviewed international original research publications; of these 10 publications the candidate a) first author in at least 5 publications with as impact factor > or = 3.0 OR b) first author in at least one publications with an Impact factor > or = 15.0 II. Co-authored at least 5 peer- reviewed international original research publications with 3 as peer-reviewed , first author with IF > or = 20.0
26	SCHOOL OF PUBLIC POLICY (SOPP)	The applicants must have a demonstrated track record of research in the area of public policy with 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 &	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

		<p>Economy (6) Internet, Digital Information & Society (7) Innovation Systems & Processes, and (8) Technical Higher Education.</p> <p>For further details, please see http://spp.iitd.ac.in/</p>	<p>considered equivalent to a single journal paper (and an authored book to more than one journal paper), subject to such works being deemed equivalent to not more than 5 journal papers.</p>
27	SCHOOL OF ARTIFICIAL INTELLIGENCE (ScAI)	<p>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, 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.</p> <p>More details are found at http://www.scai.iitd.ac.in</p>	<p>Publication Record: At least 4 Indexed Journal/Conference papers. At least 2 of these papers should be at reputed venues.</p> <p>The candidate should have demonstrated overall quality of research work, and its impact and relevance for AI.</p>

Annexure-II

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

संख्या/ No. IITD/IESI/2023/190571

दिनांक/ Dated: 20.09.2023

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 (GoI) 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 (Bending), 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), Dw (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 Management/ Policy and Design. They 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.

(देबरंजन मुखर्जी) / (Debranjana Mukherjee)

उप कुलसचिव (स्था.- I) / Deputy Registrar (Estt.-I)

To: Heads of all academic units

Copy: DR Director's Office
Dean (Faculty)

1. Publications – The following types of publications will be counted as acceptable articles:

A. Authored Publications

- a) Journal article (not including book reviews)
- 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 is equivalent to 2.5 publications.
- e) Thesis converted to book same as (c) = 5 publications
- f) Review essay (Equivalent to 0.5 publications).

B. Publication of Scholarly contributory volumes (Edited books or journal special issue)

- a) Edited book / journal special issue (equivalent to 2.5 publications)
- b) Co-Edited book / journal special issue (equivalent to 1 publication)

C. Publications of Scholarly translations (for 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 (for 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.

For Linguistics a list of conference proceedings has already been accepted.

2. Reputed Publications – Journals and books published by any of the following (this list is not exhaustive):

A. The university presses in India, USA, UK, Europe, Australia....., also including EPW (only special articles)

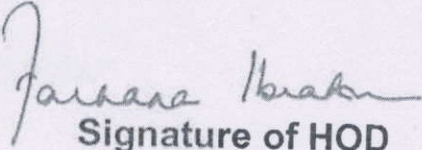
B. publishers such as: Taylor and Francis, Sage Bloomsbury, De Gruyter, Polity, Verso, Humanities press, Orient Blackswan, Permanent Black, Navayana, Springer, Wiley, Macmillan, Palgrave, Yoda, Equinox, Elsevier, Rowman and Littlefield, Pearson

C. **Rating of A and above** in the recent 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 recent ranking of 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

22/3/23