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

Rolling Advertisement No. IITD/2024/PROF-2 Dated 12.07.2024 for the post of Associate Professor and Professor

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 **Associate Professor and Professor** in various academic units**.**

The various Academic Units (Departments, Centres, and Schools) recruiting Associate Professor and Professor 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	10	Centre for Automotive Research and Tribology (CART)
2	Department of Chemical Engineering	11	Centre for Atmospheric Sciences (CAS)
3	Department of Civil Engineering	12	Centre For Rural Development and Technology (CRDT)
4	Department of Computer Science & Engineering	13	Centre for Optics and Photonics (OPC)
5	Department of Design	14	Sensors, Instrumentation and Cyber-Physical System Engineering (SeNSE)
6	Department of Electrical Engineering	15	School of Artificial Intelligence (ScAI)
7	Department of Management Studies	16	School of Public Policy (SOPP)
8	Department of Mechanical Engineering	17	Transportation Research and Injury Prevention Centre (TRIPC)
9	Department of Textile and Fibre Engineering		

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.

A. ASSOCIATE PROFESSOR
   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. <u>Specific qualifications and specialization areas sought in each academic unit are available as Annexure-1.</u>

A.2.   Minimum 6 years Teaching/Research/Industrial experience of which at least 3 years should be at the level of Assistant Professor or equivalent in IITs or similar institutes of national importance or at an equivalent level in any other Indian or foreign institution/institutions of comparable standards.

B. PROFESSOR
QUALIFICATION & EXPERIENCE

B.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. <u>Specific qualifications and specialization areas sought in each academic unit are available as Annexure-1.</u>

B.2.   Minimum 10 years Teaching/Research/Industrial experience of which at least 4 years should be at the level of Associate Professor or equivalent in IITs or similar institutes of national importance or at an equivalent level in any other Indian or foreign institution/institutions of comparable standards.

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:

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

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

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

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, <u>and all sections as specified in D.2 of this document should be detailed in the Academic Profile as given below</u>.

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 <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.

D.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.

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 <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.

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 Associate Professor and 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.

F. PAY STRUCTURE

F.1. ASSOCIATE PROFESSOR: (₹ 1,39,600 – 2,11,300/-) with Minimum Pay of ₹ 1,39,600/- in Academic Pay Level 13A2

F.2. PROFESSOR: (₹ 1,59,100 – 2,20,200/-) with Minimum Pay of ₹ 1,59,100/- in Academic Pay Level 14A

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. 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.4. 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.

G.5. 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.6. The Institute encourages interaction of the faculty with industry, other research and professional institutions for research projects and consultancy.

G.7. 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.8. Professional visits can be undertaken during vacation period for carrying out scientific research work.

G.9. Flexible Sabbatical Leave facility to collaborate with other researchers and industry.

G.10. 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.11. 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 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.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.

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

H.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.

H.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.

H.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.

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

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Annexure-I for Advertisement No. IITD/2024/PROF-2 Dated 12.07.2024

Institute minimum shortlisting criteria for an Associate Professor (Required as on the last date of application)
- Ph.D. with 6 years' experience (excluding the experience gained while pursuing Ph.D.) of which at least 3 years should be as Assistant Professor Grade I in IIT, NIT or equivalent.
- Applicants should have a good track record of teaching basic and advanced courses. Teaching feedback can be sought for this purpose.
- At least 10 refereed conference/journal papers, of which at least 4 should be in reputed journals, out of which at least 2 should have been published in the last 3 years.
- Completed at least one sponsored R&D or consulting project as a PI, or completed two sponsored R&D or consulting projects as a co-PI.

Institute minimum shortlisting criteria for a Professor (Required as on the last date of application)
- Ph.D. with 10 years' experience (excluding the experience gained while pursuing Ph.D.) of which at least 4 years should be as Associate Professor or equivalent.
- Applicants should have a good track record of teaching basic and advanced courses. Teaching feedback can be sought for this purpose.
- At least 20 refereed conference/journal papers, of which at least 8 should be in reputed journals, out of which at least 3 should have been published in the last 4 years.
- Should have guided independently at least one Ph.D. student, or have guided at least two Ph.D. students jointly with other faculty/researchers.
- Must have completed:
  a. One sponsored R&D or consulting project as a PI, and
  b. One additional sponsored R&D or consulting project as a PI, or two additional sponsored R&D or consulting projects as a co-PI.

Additional criteria in academic units for Associate Professor and Professor positions

S. No	Academic Unit	Associate Professor	Professor
1	Department of Applied Mechanics	**Areas For Recruitment** Design engineering including Product Design, Feasibility, and Reliability. **Additional Criteria** **Publications:** At least 10, of which at least 6 should be in reputed journals, out of which at least 3 in last 3 years. At least 5* publications in journals since moving to the position of Assistant Professor. Out of these publications, at least 03 should be in the last 3 years. *Publications will be counted as follows: a. For a publication with more than two faculty co-authors, if the applicant is the first author or the corresponding author, then he/she gets the full credit (count=01) irrespective of the number of faculty co-authors; otherwise, the applicant will get 0.5 count. b. A granted patent will be treated as one publication for shortlisting. In case, the patent has multiple faculty co-authors, point (a) will be used for counting the count. c. One book (with reputed publishing house) will be counted as 2 journal papers. d. Only SCI/SCIE listed journal publications will be counted for shortlisting.	**Areas For Recruitment** Design engineering including Product Design, Feasibility, and Reliability. **Additional Criteria** **Publications:** At least 20 refereed conference/ journal papers* (of which at least 10 should be in reputed journals, out of which at least 6 in last 4 years). At least 8* publications in journals of repute since moved to the position of Associate Professor. Out of these publications, at least 6 should be in the last 4 years. *Publications will be counted as follows: a. For a publication with more than two faculty co-authors, if the applicant is the first author or the corresponding author, then he/she gets the full credit (count=01) irrespective of the number of faculty co-authors; otherwise, the applicant will get 0.5 count. b. A granted patent will be treated as one publication for shortlisting. In case, the patent has multiple faculty co-authors, point (a) will be used for counting the count. c. One book (with reputed publishing house) will be counted as 2 journal papers. d. Only SCI/SCIE listed journal publications will be counted for shortlisting.

		PhD Supervision: Submission of the Ph.D. thesis of at least 1# supervised student must be complete on the day of shortlisting. Co-supervised PhD theses (irrespective of number of supervisors) will have a count of 0.5. **Sponsored Research:** Completed at least one externally funded R&D or consulting project as a PI, or completed two externally funded R&D or consulting projects as co-PI (routine testing/ vetting -types consultancy project will not be counted).	**PhD Supervision:** At least 3 PhD theses (viva-voce successfully completed), out of which at least 1 thesis has been guided independently. Co-supervised PhD theses (irrespective of number of supervisors) will have a count of 0.5. **Sponsored Research:** 1 externally funded R&D or consulting project as PI and 1 additional externally funded R&D or consulting project as a PI, or 2 additional externally funded project as a Co-PI (routine testing/ vetting -types consultancy project will not be counted).
2	Department of Chemical Engineering	<u>**Areas For Recruitment**</u> Preferable research areas: • Energy, environment, and sustainability • Healthcare technologies • Novel materials • Process systems engineering with a focus on AI and ML <u>**Additional Criteria**</u> **Experience:** Ph.D. with minimum six years Teaching/ Research/ Industrial Experience (excluding the experience gained while pursuing PhD.) of which at least three years should be at the level of Assistant Professor Grade-I or equivalent in IITs or similar institutes of national importance or at an equivalent level in any other Indian or foreign institutions of comparable standards. **Academic background:** Required B. Tech or equivalent in Chemical Engineering or allied areas such as Biochemical Engineering and/or Biotechnology, and Petroleum Engineering/	<u>**Areas For Recruitment**</u> Preferable research areas: • Energy, environment, and sustainability • Healthcare technologies • Novel materials • Process systems engineering with a focus on AI and ML <u>**Additional Criteria**</u> **Experience:** Ph.D. with minimum ten years Teaching/ Research/ Industrial Experience of which either a. At least 4 years should be as Associate Professor or equivalent, or b. At least 8 years should be as Assistant Professor or equivalent (in case of institutions where the post of Associate Professor or equivalent does not exist). **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 Petrochemicals Engineering/ Technology. **Publication Record:** Candidate should have published at

		Technology and/or PetrochemicalsEngineering/ Technology. **Publication Record:** Candidate should have published at least 10 peer-reviewed original research articles (in SCI journals) of which at least 5 papers should be in Journals with an impact factor of at least **3.0,** out of which at least 2 papers are in the last 3 years. **Teaching:** Applicants who hold or have held faculty positions should have a good track record of teaching basic and advanced courses. Teaching feedback can 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 of feedback), the department may seek additional evidence of excellence in their respective area of expertise. In case of exceptionally outstanding candidates on some fronts, criteria on some other front(s) may be relaxed and justified by the COP.	least 20 peer-reviewed original research articles (in SCI journals) of which at least 10 papers should be in Journals with an impact factor of at least **3.0,** out of which at least 3 papers are in the last 4 years. **Teaching:** Applicants who hold or have held faculty positions should have a good track record of teaching basic and advanced courses. Teaching feedback can 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 of feedback), the department may seek additional evidence of excellence in their respective area of expertise. In case of exceptionally outstanding candidates on some fronts, criteria on some other front(s) may be relaxed and justified by the COP.
3	Department of Civil Engineering	**Areas For Recruitment** **Environmental Engineering:** Solid and Hazardous Waste Engineering, Air Pollution Control Engineering, Water and Wastewater Engineering, Environmental Systems Modelling and Environmental Impact Analysis. **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,	**Areas For Recruitment** **Environmental Engineering:** Solid and Hazardous Waste Engg., Air Pollution Control Engg., Water and Wastewater Engg., Environmental Systems Modelling and Environmental Impact Analysis. **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

| | | candidates with exceptional credentials in all specializations related to construction/project management are also encouraged to apply.
Water Resources Engineering: Water Resources Engg., including remote sensing/GIS, and numerical modelling in hydraulics, hydrology, and groundwater.

<u>Additional Criteria</u>
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: At least 12 refereed conference/ journal papers (of which at least 6 should be in reputed journals, out of which at least 2 in last 3 years). Journals falling in WEB OF SCIENCE would be considered as reputed journals for recommendation purposes.

PhD Supervision: Candidates should have guided at least 0.5 PhD Students, or 2 additional papers from the work done by the PhD students under her/his supervision (i.e., total of 8 papers) in reputed journals.

Other:
(i) Completed at least one sponsored R&D or consulting project as a PI, or completed two sponsored R&D or consulting projects as a Co-PI. | credentials in all specializations related to construction/project management are also encouraged to apply.
Water Resources Engineering: Water Resources Engg., including remote sensing/GIS, and numerical modelling in hydraulics, hydrology, and groundwater.

<u>Additional Criteria</u>
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: At least 24 refereed conference/ journal papers (of which at least 12 should be in reputed journals, out of which at least 4 in last 4 years). Journals falling in WEB OF SCIENCE would be considered as reputed journals for recommendation purposes.

PhD Supervision: Candidates should have guided at least 2 PhD Students independently, or 1 independently plus 2 PhD Students jointly with other faculty/ researcher.

Other:
(i) Completed: (a) One sponsored R&D or consulting project as a PI, and (b) One additional sponsored R&D or consulting project as a PI or two additional sponsored R&D or consulting projects as a Co-PI.
(ii) Minimum value of the research project shall be more than or equal to 15 lacs. Consultancy projects |

		(ii) Minimum value of the research project shall be more than or equal to 15 lacs. Consultancy projects (Product/Process development, R&D-based Advice/Report, Software Development, and Design of Product/Structure) with a minimum value of 5 lacs would only be considered in lieu of a sponsored research project. (iii) For candidates from industry/ research labs (without teaching experience) an additional 4 papers in reputed journals (i.e., total of 12 papers) is required in addition to above. For industry candidates with patents granted, a relaxation on the requirement of minimum number of publications can be given by 1 patent granted = 1 journal paper, if needed. (iv) 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.	(Product/Process development, R&D-based Advice/Report, Software Development, and Design of Product/Structure) with a minimum value of 5 lacs would only be considered in lieu of a sponsored research project. (iii) For candidates from industry/ research labs (without teaching experience) an additional 12 papers in reputed journals (i.e., total of 24 journals papers) is required in addition to above. For industry candidates with patents granted, a relaxation on the requirement of minimum number of publications can be given by 1 patent granted= 1 journal paper, if needed. (iv) 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.
4	Department of Computer Science & Engineering	**Areas For Recruitment** 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	**Areas For Recruitment** 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.

		expected to demonstrate a strong research profile in core computer science areas. **Additional Criteria** **Publications:** Should have published at least 10 papers of which at least 6 papers in reputed journals/ peer-reviewed conferences of which at least 3 should have been in the last 4 years. Should have demonstrated overall quality of research work and its impact and relevance to CSE.	**Additional Criteria** None.
5	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@:** 6 years (Pre +post Ph.D. relevant experience in years) **Experience in Previous Post:** Minimum 3 years at Assistant Professor level %% **Publications:** 10 (At least 5 should be research papers). **Projects/Consultancy Completed:** 1 (As a PI) or 2 (As Co-PI) @Experience gained while pursuing Ph.D. is not considered towards total experience %% Can be waived for applicants applying from Industry/non-academic organizations with at least 6 years of relevant industrial experience and/or design practice.	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@:** 10 years (Pre +post Ph.D. relevant experience in years). **Experience in Previous Post:** Minimum 4 years at Associate Professor level. **Publications:** 20 (At least 10 should be research papers). **Projects/Consultancy Completed:** 2 (As a PI) or 1 (As PI + 2 as Co-PI) **Ph.D. Guidance:** 1 (Independently) or 2 (jointly) $$ @Experience gained while pursuing Ph.D. is not considered towards total experience $$ This criteria should be waived for candidates coming from Institutes having no scope for PhD guidance. However their application should show excellence in points C, E & F. Point C: more than 15 years of Design teaching & practice & research experience from top ranking Design Institutes Point E:

			• 4 additional publications (out of which at least 2 should be research papers) above requirement • Shown outstanding contribution to the Design field through prestigious awards and/or grants and/or participated in prestigious exhibitions and/or participated and/or screening at prestigious festivals at national and international platforms and/or have registered products/granted patents <u>Point F:</u> At least 4 consultancy/sponsored projects of high impact
6	Department of Electrical Engineering	**Areas For Recruitment** In all areas of Electrical Engineering including Electronics & Circuits, Control & Automation, Communication, Computer Engineering, Power Systems, Power Electronics, Machines & Drives. **Additional Criteria** **Publications:** At least 12 refereed conference/ journal publications(of which at least 7 publications should be in refereed journals of repute), at least 4 publications in refereed journals of repute in the last 3 years. **PhD Supervision:** Successful supervision of at least 1 PhD student Singly or jointly. Additional 3 Papers in reputed journals in lieu of 1 PhD guidance singly/ jointly.	**Areas For Recruitment** In all areas of Electrical Engineering including Electronics & Circuits, Control & Automation, Communication, Computer Engineering, Power Systems, Power Electronics, Machines & Drives. **Additional Criteria** **Publications:** At least 23 refereed conference/ journal publications (of which at least 14 publications should be in refereed journals of repute). At least 5 publications in refereed journals of repute in the last 4 years**.** **Other:** Guideline for Short-listing as special cases: In very special cases with otherwise outstanding academic/ industrial/ research contribution, combined experience both at Assistant and Associate Professor levels may be considered.
7	Department of Management Studies	**Areas For Recruitment** Micro economics, Macro-economics and Econometrics, Simulation Modelling, Probabilistic/Stochastic Modelling, Service Operations, Behavioural 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	**Areas For Recruitment** Micro economics, Macro-economics and Econometrics, Simulation Modelling, Probabilistic/Stochastic Modelling, Service Operations, Behavioural 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 /

| | | Transformation - loT / Blockchain / Information Security Management Extended Reality and Digital Platforms, Entrepreneurial Finance, Strategic Management, Technology Management, Strategic Innovations, Strategic Entrepreneurship, Marketing Research and Marketing Analytics

Additional Criteria

Publications: At least 10 refereed journals papers of which at least 6 should be in reputed* journals during the current position held with at least 3 reputed publications in last 3 years.
* Reputed Journals:
Any publication in a journal, which meets any one of the four criteria given below, may be counted towards being a publication in a reputed journal:
a) Rating of A and above in the most recent ABDC Journal Quality list published by the Australian Business Deans Council
b) Rating of 3 and above in the most recent ranking of the Academic Journal Guide published by Chartered Association of Business Schools.
c) Impact Factor of 1.00 and above as provided by Thompson Reuters in the most recent Journal Citation Report, in Science or Social Science Citation Index.
d) CiteScore metric of 1.5 and above in the Journal Metrics provided by Scopus Journal Indexing Service.

Sponsored research: Completed at least one sponsored R&D or consulting project as a PI, or completed two sponsored R&D or consulting projects as a Co-PI. | Information Security Management Extended Reality and Digital Platforms, Entrepreneurial Finance, Strategic Management, Technology Management, Strategic Innovations, Strategic Entrepreneurship, Marketing Research and Marketing Analytics

Additional Criteria

Publications: At least 20 refereed journal papers of which at least 8 should be in reputed* journals during the current position held with at least 4 reputed publications in last 4 years.
* Reputed Journals:
Any publication in a journal, which meets any one of the four criteria given below, may be counted towards being a publication in a reputed journal:
a) Rating of A and above in the most recent ABDC Journal Quality list published by the Australian Business Deans Council.
b) Rating of 3 and above in the most recent ranking of the Academic Journal Guide published by Chartered Association of Business Schools.
c) Impact Factor of 1.00 and above as provided by Thompson Reuters in the most recent Journal Citation Report, in Science or Social Science Citation Index.
d) CiteScore metric of 1.5 and above in the Journal Metrics provided by Scopus Journal Indexing Service.

PhD Supervision: Should have guided at least 4 PhD students (singly or jointly).

Sponsored research: Completed
a) One sponsored R&D or consulting project as a PI, and
b) One more sponsored R&D or consulting project as a PI, or two sponsored R&D or consulting projects as a co-PI. |

| 8 | Department of Mechanical Engineering | **Areas For Recruitment**

All areas of Design, Production, Thermofluids and Industrial Engineering - Operations Research & Analytics that are aligned with the current and projected research areas of the Department

Additional Criteria
Publications: 10 refereed papers of which at least 4 in reputed journals, of which at least 2 in last 3 years.

Sponsored Research: Completed at least one sponsored R&D or consulting project as a PI, or completed two sponsored R&D or consulting projects as a co-PI.

Other: Demonstrated capability for good teaching. | **Areas For Recruitment**

All areas of Design, Production, Thermofluids and Industrial Engineering - Operations Research & Analytics that are aligned with the current and projected research areas of the Department

Additional Criteria
Publications: 20 refereed papers of which at least 8 in reputed journals of which at least 3 in last 4 years.

Sponsored Research: Should have completed:
a. One sponsored R&D or consulting project as a PI, and
b. One more sponsored R&D or consulting project as a PI, or two sponsored R&D or consulting projects as a co-PI.

PhD Supervision: Should have guided independently at least one Ph.D. student, or have guided at least two Ph.D. students jointly with other faculty/researchers

Other: Demonstrated excellence in teaching. |
| 9 | Department of Textile and Fibre Engineering | **Areas For Recruitment**

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, Biosciences and Management) with demonstrated research experience in areas relevant to textiles and fibres.

Additional Criteria | **Areas For Recruitment**

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, Biosciences and Management) with demonstrated research experience in areas relevant to textiles and fibres.

Additional Criteria |

		Publications: At least 10 papers in SCI indexed journals papers. Review papers shall not be considered. Out of which at least 3 in last 3 years. Review papers shall not be considered. **PhD Supervision:** At least 1 PhD candidate independently OR at least 2 PhD students jointly right from the beginning. In all the cases, the theses should have been successfully defended. **Sponsored Research:** Should have submitted and completed at least 1 sponsored R&D project as PI. The value of each project as mentioned above should be at least Rs.10 lakh and funded by an external agency.	**Publications:** At least 20 papers in SCI journal (out of which at least 4 in last 4 years). Review papers shall not be considered. **PhD Supervision:** At least 2 PhD candidates independently OR at least 1 PhD candidate independently and at least 2 PhD students jointly right from the beginning. In all the cases, the theses should have been successfully defended. **Sponsored Research:** Should have submitted and completed at least 2 projects as PI. Value of each project at least Rs.10 lakh, funded by an external funding agency.
10	Centre for Automotive Research and Tribology (CART)	**<u>Areas For Recruitment</u>** Vehicular Telematics and Embedded System for EVs, Connected and Autonomous EVs, Vehicle Propulsion, Automotive body design and crash analysis, Automotive Component Design. **<u>Additional Criteria</u>** None	**<u>Areas For Recruitment</u>** Vehicular Telematics and Embedded System for EVs, Connected and Autonomous EVs, Vehicle Propulsion, Automotive body design and crash analysis, Automotive Component Design. **<u>Additional Criteria</u>** None
11	Centre for Atmospheric Sciences (CAS)	**<u>Areas For Recruitment</u>** 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. **<u>Additional Criteria</u>**	Not Recruiting at this level.

		Publications: At least 10 high-quality papers relevant to CAS published in reputed journals with at least 3 papers in the last three years demonstrating excellence in scientific research.	
12	Centre For Rural Development and Technology (CRDT)	**Areas For Recruitment** 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 **Additional Criteria** **Academic Background:** First class or equivalent grade in all preceding degrees in respective discipline, with a consistently good academic record. **Publications:** Should have published as corresponding author at least 6 research articles in reputed journals listed in SCI or WoS during the period as Assistant Professor. **Sponsored Research:** Should have completed one sponsored R&D project as a PI or completed two sponsored R&D as a Co-PI. The minimum cumulative value of sponsored project for this purpose shall be Rupees 20 (twenty) lakhs of external funding.	**Areas For Recruitment** 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 **Additional Criteria** **Academic Background:** First class or equivalent grade in all preceding degrees in respective discipline, with a consistently good academic record. **Publications:** Should have published as corresponding author at least 8 research articles in reputed journals listed in SCI or WoS. **PhD Supervision:** Should have guided independently at least one PhD student or 2 PhD students jointly with other faculty/researchers since promotion to Associate professor **Sponsored Research:** Should have completed (i) one sponsored R&D project as a PI since promotion to Associate professor (ii) one more sponsored R&D project as a PI or two sponsored R&D projects as a Co PI. The minimum

		Other: Should have demonstrated capability for good teaching. Research and publications should be consistently aligned with the rural application	cumulative value of sponsored project for this purpose shall be Rupees 50 lakhs of external funding. **Other:** Should have demonstrated excellence in teaching. Research and publications should be consistently aligned with the rural application; should have demonstrated at least one technology development and transfer/outreach.
13	Centre For Sensors, Instrumentation and Cyber-Physical System Engineering (SeNSE)	**Areas For Recruitment** 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 **Additional Criteria** **Publications:** At least 15 refereed conference/ journals papers (of which at least 10 should be in reputed journals out of which at least 4 in the last 3 years and 3 should be as a first author). **PhD Supervision:** Should have guided a minimum of 1 PhD student with a thesis submitted as a single	**Areas For Recruitment** 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 **Additional Criteria** **Publications:** At least 25 refereed conference/ journal papers (of which at least 16 should be in reputed journals, out of which at least 5 in the last four years and 3 as a first author). **PhD Supervision:** At least 2 PhD. Students independently or have guided at least 4 PhD. students jointly with other faculty/ research.

		guidance or 2 as a co-supervisor or should have additional two journal publications in the last three years.	**Sponsored Research:** Total value of the R&D projects as a PI should be at least 50 lakhs.
14	Optics and Photonics Centre (OPC)	**Areas For Recruitment** Quantum Photonics, Integrated Photonics, 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. **Number of publications:** Minimum 12 (All in journals with IF > 1.5), Min.2 in last 3 years. **Sponsored Projects:** Minimum 1 granted as PI, or 2 as Co-PI **Ph.D. Supervision**: Minimum 1 with synopsis submitted (or 2 as Co-Supervisor)	**Areas For Recruitment** Quantum Photonics, Integrated Photonics, 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. **Number of publications:** Minimum 20 (All in journals with IF > 1.5), Minimum 3 in last 4 years. **Sponsored Projects:** Minimum1 completed as PI, or 2 as Co-PI **Ph.D. Supervision**: Minimum 2 awarded (or 4 as Co-Supervisor)
15	School Of Artificial Intelligence (ScAI)	**Areas For Recruitment** 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.	**Areas For Recruitment** 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

		ScAI strongly encourages applicants with demonstrated track-record of working at the intersection of an application area and the AI fields. **Additional Criteria** **Publications:** Candidate is required to fulfil a minimum requirement of 10 papers in the indexed journal/conferences. At least 4 of these papers should be in reputed venues, and at least 2 out of these four should have been published during the last 3 years period. The candidate should have demonstrated overall quality of research work, and its impact and relevance for AI.	demonstrated track-record of working at the intersection of an application area and the AI fields. **Additional Criteria** **Publications:** Candidate is required to fulfil a minimum requirement of 20 papers in the indexed journal/conferences. At least 8 of these papers should be in reputed venues, and at least 3 out of these four should have been published during the last 4 years period. The candidate should have demonstrated overall quality of research work, and its impact and relevance for AI.
16	School of Public Policy (SoPP)	**Areas For Recruitment** 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. **Additional Criteria** **Publications:** At least 10 S&T-policy-oriented papers, in journals or published peer-reviewed conferences (or equivalent in terms of authored books or book chapters), of which at least 5 should be in reputed venues with at least 2 in the last 3 years.	**Areas For Recruitment** 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. **Additional Criteria** **Publications:** At least 20 S&T-policy-oriented papers, in journals or published peer-reviewed conferences (or equivalent in terms of authored books or book chapters), of which at least 10 should be in reputed venues with at least 3 in the last 4 years.

| 17 | Transportation Research and Injury Prevention Centre (TRIPC) | **Areas For Recruitment**
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.

The areas of interest listed here are indicative, not exhaustive.

Additional Criteria
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. | **Areas For Recruitment**
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.

The areas of interest listed here are indicative, not exhaustive.

Additional Criteria
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)

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
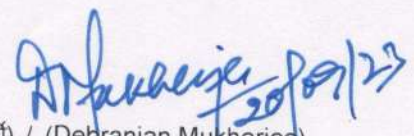
A committee was constituted titled "Committee for recruitment issues related to Persons with Benchmark Disabilities (PwBD)" with a mandate to identify faulty positions that can be held by Persons with Benchmark Disabilities (PwBD). The committee submitted its recommendations for the consideration of 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) / (Debranjan Mukherjee)
उप कुलसचिव (स्था.- I)/ Deputy Registrar (Estt.-I)

To: Heads of all academic units

Copy: DR Director's Office
       Dean (Faculty)