MINIMUM QUALIFICATION AND EXPERIENCE FOR POSITIONS LISTED IN ACADEMIC UNITS:

Ph.D. with First class or equivalent grade at the preceding degree in an appropriate branch/discipline with a good academic record throughout.

EXPERIENCE (Required as on the last date of application):

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

ASSOCIATE PROFESSOR:
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 institutions /institutions of comparable standards.

AREAS OF SPECIALIZATION FOR ACADEMIC UNITS:

1. **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.

2. **BIOCHEMICAL ENGG. & 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.

3. **CHEMICAL ENGG**: All areas of Chemical Engineering, the candidate should have undergraduate education in chemical or allied engineering disciplines.

4. **CHEMISTRY**: For Professor: Asymmetric Synthesis, For Associate Professor: Total synthesis of natural products, Inorganic heterogeneous catalysis, Heme and Non-heme bioinorganic chemistry.


   **NOTE**: The candidate should have B.E./B.Tech. or equivalent degree in Engineering with Ph.D. in the relevant area.


8. **ELECTRICAL ENGG:** In all areas of Electrical Engineering including Electronics & Circuits, Control & Automation, Communication, Computer Engineering, Power Systems, Power Electronics, Machines & Drives.


10. **HUMANITIES & SOCIAL SCIENCES:** Economics: Specialization in Microeconomics/Macroeconomics/International Trade/ Economic History is desired. However, exceptionally good candidates in any other specializations in Economics are also encouraged to apply. Linguistics: Semantics, Neuro-linguistics, Phonology, Comparative Syntax, Theoretical/Formal Syntax, Psycholinguistics, Language Acquisition, Computational linguistics. Literature: Poetry, North Eastern literatures and cultures, Subaltern and Dalit studies, Comparative Literature, Literatures of Protest, Folklore Studies, Digital Humanities, Culture Studies/Literary Culture Studies, Art & Aesthetics, Film Studies. Philosophy: All sub-disciplines of philosophy, with a special focus on the following areas: ethics, metaphysics, history of philosophy, political philosophy, philosophy of law, logic, epistemology, philosophy of mind, environmental philosophy, feminist philosophy, philosophy of culture, philosophy of religion, philosophy of technology, and philosophy of science. Applications are especially welcome from philosophers with access to philosophical texts in non-English languages, and who belong to diverse traditions of philosophy in different parts of the world. Psychology: Social Psychology, Positive Psychology, Cognitive Psychology, Neuropsychology, Computational Psychology. Sociology: Sociology of Family, Kinship and Gender; Sociology of Industry and Organizations; Population Studies and Demography; Dalit and Tribal Studies; Economic Sociology/Anthropology; Visual Sociology/Anthropology.


13. **MATHEMATICS:** All areas of Pure and Applied Mathematics, Theoretical Computer Science, Probability and Statistics.

14. **MECHANICAL ENGG:** “All areas of Design and Production and Industrial Engineering. Further,
applicants having strong fundamentals pertaining to thermodynamics, fluid mechanics, heat and mass transfer, combustion and gasification and numerical and experimental techniques may apply. It is desirable that the research interests should relate to one or more of the following application areas:
• Sustainable Energy, clean energy and Transportation motive power
• Thermo-fluid analysis of Biological Systems
• Micro and nano-scale heat transfer
• Thermal engineering of processes
Applicants in the areas of Production and Industrial Engineering specializations are specially encouraged to apply”.


16. **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.


18. **ATMOSPHERIC SCIENCES (CAS)**: All areas of Atmospheric and Oceanic Science.

19. **AUTOMOTIVE RESEARCH AND TRIBOLOGY (CART)**: Power Electronics for EV applications, 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.


21. **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)

22. **SENSORS, INSTRUMENTATION AND CYBER-PHYSICAL SYSTEM ENGINEERING (SeNSE)**: Candidates must have an ability to build world-class research facilities, and a proven/demonstrated history of hands-on product and prototype development at the individual/team level in- Optical Engineering (optical fabrication, laser systems and optical
The applicants must have a demonstrated track record of working at a faculty member for at least 3 years is available to every member of the faculty to meet the expenses for participating in conferences, membership fee of various professional bodies, procurement of books and periodicals and contingent expenses. A cumulative Professional Development Allowance (PDA) of ₹ 3,00,000/- for every block period of 3 years is available to every member of the faculty to meet the expenses for participating in conferences, membership fee of various professional bodies, procurement of books and periodicals and contingent expenses. Reimbursement of telephone bills up to a ceiling of ₹ 2700/- plus taxes per month and ₹ 2250/- plus taxes per month is applicable for faculty members in the pay level 14A & 13A2 respectively. Relocation allowance, as a reimbursement of expenses incurred by a faculty member on travel by him/her and his/her family and for transportation of household goods, limited to ₹ 2,50,000/- for faculty joining the Institute from abroad and ₹ 1,25,000/- for faculty joining the Institute from India.

The following are applicable for the posts mentioned in Academic Units:

- A start-up seed grant of up to ₹ 20,00,000/- is available to develop research capability in the area of expertise of the faculty member to set research goals for oneself. The Institute also provides an additional grant of ₹ 30,00,000/- as matching equipment grant to build new capability / high-value research facility in emerging areas via special project funding from external agencies. These grants are to be availed within 3 years of joining. The strategic goal of this fund is to aim for bigger projects.
- A cumulative Professional Development Allowance (PDA) of ₹ 3,00,000/- for every block period of 3 years is available to every member of the faculty to meet the expenses for participating in conferences, membership fee of various professional bodies, procurement of books and periodicals and contingent expenses.

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23. **BHARTI SCHOOL OF TELECOMMUNICATION TECHNOLOGY AND MANAGEMENT (BSTTM):** All areas of telecom technology and management.


25. **KUSUMA SCHOOL OF BIOLOGICAL SCIENCES (KSBS):** For Professor: Peptide Therapeutics and related areas, For Associate Professor: Basic Fundamental Research in Biological Sciences in the areas of Structural Biology, Infectious Diseases & Non-communicable Disorders, Cognitive & Computational Neurosciences.

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 & Economy (6) Internet, Digital Information & Society (7) Innovation Systems & Processes, and (8) Technical Higher Education. For further details, please see http://ssp.iitd.ac.in/

27. **SCHOOL OF ARTIFICIAL INTELLIGENCE (ScAI) :** In all areas of artificial intelligence, Subareas of interest include (but are not limited to) deep learning, reinforcement learning, probabilistic models, data mining, information retrieval, multi-agent systems, knowledge representation and reasoning, mathematical foundations of AI, ethics of AI, applied AI such as NLP, computer vision, robotics, AI on the edge, etc., and applications of AI to domain areas such as healthcare, agriculture, education, industry 4.0, etc. ScAI strongly encourages applicants with demonstrated track-record of working at the intersection of an application area and the AI fields. More details are found at http://www.scai.iitd.ac.in

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• Faculty are eligible for Chair Positions that entitle faculty members to a grant of ₹ 5,00,000 per annum for a period of 3 years, extendable up to 5 years.
• Institute bestows Faculty Research Awards to faculty members, across designations, in recognition of their significant research contributions.
• Other than above some more additional benefits and incentives are available in the institute. For further details, please see https://home.iitd.ac.in/uploads/Benefits_and_incentives_to_faculty.pdf

NOTES:

• Government of India policy on reservation of faculty positions/Computer Programming Staff as applicable to IITs, including that for persons with disability, will apply.
• The minimum requirement of qualifications and/or experience may be relaxed in respect of exceptionally outstanding candidates in certain areas.
• A mere fulfillment of required minimum qualifications and experience does not entitle a candidate to be called for an interview/discussion.
• The Institute reserves the right to fill or not to fill the posts advertised.
• No correspondence whatsoever will be entertained from the candidates regarding postal delays, conduct and result of the interview, and reasons for not being called for interview or selection.
• Depending upon the qualification and experience, a higher start/salary may be offered in deserving cases.
• Separate online applications must be filled, if a candidate is applying for a faculty position in more than one Academic Unit. Candidates having overlapping interests in more than one Academic Unit can be considered for joint appointment (if selected).
• The candidates called for interview will be paid AC2-Tier by Train/Economy Class by Air or actual expenditure and AC Taxi by road (from Airport/Railway Station/ISBT and back) fare from their place of residence/work and back by the shortest route within India.
• Persons employed in Government/Semi-Government Organization or Educational Institutions must apply through proper channel OR shall provide “No Objection Certificate” while applying or at the time of interview.

IIT Delhi makes every attempt to help faculty members settle in their academic role and to grow professionally.

ACCOMMODATION: Suitable residential accommodation as per Institute rules shall be provided on the Campus on joining the Institute (this is subject to availability). With the renovation of many apartments, almost all interested new faculty members would be able to get an apartment soon in the Campus. Faculty members can avail accommodation outside the campus on lease till regular accommodation is provided in the campus. Institute supports payment of monthly rental of up to ₹35,000/- for the same.

ABOUT THE CAMPUS: Extending into an area of 320 acres, the campus is imaginatively laid out with a picturesque landscape with clean and wide roads. The campus provides all essential amenities for community living including Staff Club, Sports Complex (both indoor & outdoor) Hospital, Shopping Centre, Banks, ATMs, Post Office, numerous food courts, Community Centre, etc.

HOW TO APPLY:

It is a requirement that candidates use the IIT Delhi website (https://home.iitd.ac.in/jobs-iitd/index.php) to fill-up and submit application online against the aforesaid faculty position on or before 31st March, 2022. As a precaution, after submitting the application through the website, please retain a copy of the application. Candidates employed with Government/Semi-Government Organizations or with Autonomous Bodies must print a copy of the electronic submission and submit the printed version through proper channel at the address given below. Candidates who have applied online may please log in to our site
(https://ecampus.iitd.ac.in/IITDFR-0/login) and check the status whether their applications have been received or not.

**Address for Correspondence:**

Joint 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