

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

ADVERTISEMENT NO. IITD/2022/PDF-2

ADVERTISEMENT FOR THE POSITION OF POST DOCTORAL FELLOW

IIT Delhi invites applications from qualified persons for the position of **Post-Doctoral Fellow (PDF)** in its various academic units to promote inter-disciplinary research activities, strengthen research ecosystem of the Institute and groom potential faculty members.

Who can apply?

- Indian Nationals of General/SC/ST/OBC-NCL/EWS category as well as with physical disability.

Minimum Eligibility Criteria:

1. Age Limit:

Maximum age of candidate is 32 years (for male) and 35 years (for female). Age relaxation for reserved candidates as per Govt. of India guidelines as follows: SC/ST – 5 years, OBC-NCL – 3 years, EWS – No age relaxation, General PwD – 10 years.

For exceptional candidate to be recorded in writing.

2. Educational Qualification:

- a) Ph.D. with First class or equivalent grade in preceding degree with consistently good academic record.
- b) Candidates who have submitted their PhD thesis and have not yet defended it can be considered subject to the submission of a certificate from the guide duly forwarded by the Head of the Department of their Institute. This certificate must be provided at the time of the interview.
- c) In case of (b) above, before the first assessment of the PDF at the end of first year tenure, he/she should have completed the PhD defense which is mandatory for the candidate to continue for the second year, else the contract gets terminated and no representation will be entertained.
- d) PDF posts are primarily for external candidates only and in case IIT Delhi PhD degree holders have to be considered, it may be done, only 3 years after obtaining their PhD degree from IIT Delhi.

3. Publications:

- Candidates should have demonstrated research capabilities in terms of publication in reputed journals and conferences.

4. Remuneration & Benefits:

- Fellowship of Rs. 75,000/- per month plus House Rent Allowance (HRA) at the Govt. of India rate for New Delhi. No Institute accommodation will be provided.
- Professional Development Allowance (PDA) of Rs. 1.00 lakh per financial year (April-March) will be available from the date of joining the institute. For PDF serving for shorter period, proportionate amount shall be granted. Unutilized PDA can be carried forward to the next financial year. Utilization of PDA is restricted to attending conferences (both national and international).

Duties & Responsibilities:

- To perform scholastic research in cutting-edge areas of academic units and support teaching activities by assisting in practical's and tutorials. PDF should be attached to a research group, not to an individual faculty. PDFs are expected to publish research articles with IIT Delhi affiliation in peer-reviewed scientific journals and present research work at reputed conferences. They are also expected to supervise PhD and Post-graduates in their project work and assist the mentor in writing project proposals.

Tenure of Appointment:

- Initially for one year (on contract), which can be extended for another one year on same T&C based on assessment of performance. There can be extension of contract after completion of 2 years for outstanding candidates. The extension after 2 years and its duration will be decided by the evaluation committee on the basis of the performance of the PDF.

Academic Units and their Specializations/Research Areas:

Academic Units: -

1. **Civil Engineering: Environmental:** Sustainable Built Environment, Risk Assessment of Emerging Contaminants from Water, Aerosol Climate and Health, Carbon Sequestration using Alkaline Waste Materials; **Geotech:** Geotechnical Engg. / Rock Engg., **Structures:** Structural Engg. and Construction Management; **Transportation:** All areas of Transportation Engg., including but not limiting to, Transport planning, Traffic Engg., and Pavement Engg.; **Water Resources:** Water Resources and related areas.
2. **Design:** We are looking for candidates specializing in all areas of design such as industrial design, communication design, interaction design, and other relevant design domains. Candidates should have research interest(s) in one or more of the following areas: Creativity, Culture & Design, Neuro-cognition of Creativity, User Experience Design, Information Design, Product Design, Computer-Aided Design, Design of Medical and Assistive Devices, Visual Communication, Filmmaking, Animation, Digital Media, Game Design, Cultural Construction, Design Research, Human Factors and Ergonomics, Sedentary Behaviour and Health, Inclusive Design, Environmental Design Research, Body-Conscious Design, Social and Cultural Factors in Design, Design for Health and Wellness in the Built Environment, Data Driven Design, Mechatronics, Engineering Design, Design for Energy Efficiency, Human-Computer Interaction, Design for Emotion and Persuasion, Design for Usability, Behavioural Design, Design for Human Development, Design for Base of the (economic) Pyramid, Social Innovation, Design Creativity and Innovation, Design Theory and Methodology (incl. Design Thinking), Virtual Reality, Artificial Intelligence in Design, New Product Development, Comics Studies, Illustration, Graphic Design, Designing for Children, Transportation Design, Design for Sustainability, Design Sketching, Design Innovation.
3. **Energy Science & Engineering:** Electrical Power Systems, Experimental Plasma Science and Technology, Internal Combustion Engines, Photovoltaic Devices and Systems, Solar Thermal Technology, Energy Storage.
4. **Material Science & Engineering:** Metals, glass and ceramics, polymers, computational material science, functional materials.
5. **Centre for Atmospheric Sciences:** "All areas of Atmospheric and Oceanic Science".

NOTES:

- The specializations or research areas mentioned above against each Department/Centre/School are only indicative and not exhaustive. The Institute is open to receiving applications from candidates with specialization in these as well as in other related areas.
- The minimum requirement of qualifications and/or experience may be relaxed in respect of exceptionally outstanding candidates in certain areas.
- A mere fulfilment of required minimum qualifications and experience does not entitle a candidate to be called for presentation/discussion.
- The Institute reserves the right to fill or not to fill the posts advertised.
- Separate online application must be filled, if a candidate is applying for a Post-Doctoral Fellowship in more than one Departments/Centres/or Schools.

How to apply?

- It is a requirement that the candidate visit the Job Section on IIT Delhi website (<http://www.iitd.ac.in/jobs-iitd/index.html>), prepare and submit the duly completed applications for appointment against the above position. The website also contains useful information on various aspects of working and living at IIT Delhi as well as on the recruitment process.
- As a precaution, after submitting the application through the website, please retain a printed copy of the application with you. 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.

**Address for Communication:
Faculty Recruitment Cell
Indian Institute of Technology Delhi
Hauz Khas, New Delhi – 110016 (INDIA)
Telephone: +91 11 2654-8733
E-mail: fac_recruit@admin.iitd.ac.in**

For any technical help please contact through email to: eadminhelp@iitd.ac.in or Ph. 011-26597220

(Updated on 12.07.2022)