



INDIAN INSTITUTE OF TECHNOLOGY DELHI

Hauz Khas, New Delhi - 110016

ADVERTISEMENT NO. 01 / 2013 (E-I)

ADVERTISEMENT FOR ASSISTANT PROFESSOR

SPECIAL DRIVE FOR RECRUITMENT OF SCs / STs / OBCs / PH CATEGORIES

IIT Delhi invites applications from exceptionally bright and motivated persons, belonging to SC / ST / OBC / PH categories who have an established record of independent, high quality research, and who are committed to teaching and research, for faculty positions at the level of Assistant Professor in various Departments / Centres / Schools in disciplines listed below:-

POSITION	PAY BAND
Assistant Professor	Rs. 15600 - 39100 (minimum pay of Rs. 30000/- + AGP Rs. 8000/- (PB-3) (Eligible to move to PB-4 of Rs. 37400-67000 + AGP Rs. 9000/- on completion of 3 years service as Assistant Professor)
Assistant Professor (on contract)	Candidates with Ph.D. but with less than 3 years of experience can be considered for Assistant Professor on contract on pay as approved by the Board of Governors.

Qualified persons include:

- Indian Nationals,
 - Foreign Nationals who are "Persons of Indian Origin" (PIO) or Overseas Citizens of India (OCI), in whose case, if selected, permission will be sought from Govt. of India before he / she can join IIT, or
 - Other Foreign Nationals (**only for PH category**), in whose case, if selected, appointment will be on a contract basis for up to 5 years subject to permission from the Govt. of India before he / she can join IIT.
- SC – Scheduled Castes, ST – Scheduled Tribes, OBC – Other Backward Classes, PH – Physically Handicapped** (including general category).

DEPARTMENTS:

- APPLIED MECHANICS:** Solid Mechanics, Fluid Mechanics, Engineering Design, Physical and Mechanical Metallurgy.
- BIOCHEMICAL ENGG. & BIOTECHNOLOGY:** Chemical Engineering, Biochemical Engineering.
- CHEMICAL ENGG.:** All areas of Chemical Engg.
- CHEMISTRY:** Inorganic Chemistry, Organic Chemistry, Biochemistry and Physical Chemistry.
- CIVIL ENGG.:** Geotechnical Engg., Structural Engg., Water Resources Engg., Environmental Engg., and Transportation Engg.
- COMPUTER SCIENCE & ENGG.:** Algorithms, Programming Languages, Theoretical Computer Science, Graphics and Vision, Architecture, VLSI and Embedded Systems, Systems and Networks, Software Systems, Database, Cryptography and Security, Machine Learning and AI.
- ELECTRICAL ENGG.:** All areas of Electrical Engineering including Integrated Electronics & Circuits, Control & Automation, Communications & Radar, Computer Technology, Power Systems, Power Electronics, Machine & Drives.
- HUMANITIES & SOCIAL SCIENCES:** Economics, Philosophy, Psychology, English, Linguistics, Sociology, Policy Studies.
- MANAGEMENT STUDIES:** Operations and Supply Chain Management, Finance and Investment Management, Strategic Management, Marketing, Organization and Human Resources Management, Managerial Economics and Entrepreneurship, Information Systems, Telecom Management and Technology Management.
- MATHEMATICS:** All areas of Pure & Applied Mathematics, Statistics, OR and Theoretical Computer Science.
- MECHANICAL ENGG.:** Mechanical Design, Production Engg., Industrial Engg., Thermal Engg. (For more details about specific areas visit <http://mech.iitd.ac.in>).
- PHYSICS:** All Areas of Physics including (but not limited to) Theoretical and Computational Physics, Condensed Matter Physics, Photonics and Applied Optics, Plasma Physics, Nuclear Physics and Electronics.
- TEXTILE TECHNOLOGY:** Textile Chemical Processing, Fabric Manufacture, Apparel Engineering and Textile Machinery Design.

CENTRES:

- APPLIED RESEARCH IN ELECTRONICS:** Signal Processing, RF and Microwave Engg., Microelectronics and MEMS, Sensors and Characterization.
- ATMOSPHERIC SCIENCE:** Ocean Modelling, Climate Modelling, Mesoscale Studies, Atmospheric Dispersion.
- BIOMEDICAL ENGG.:** Bioelectronics, Biomechanics, Bioinstrumentation, Biomaterials.
- ENERGY STUDIES:** All areas of Energy (conventional and renewable) and Environment, including Mechanical (alternative fuels for I.C. Engines), Coal & Biomass, Plasma Science and Technology, Solar Thermal & Photovoltaic, Electrical Energy (power system), Energy Conservation and Energy Power Systems.
- INDUSTRIAL TRIBOLOGY MACHINE DYNAMIC & MAINTENANCE ENGG.:** Tribology, Machine Dynamics and Maintenance Engg.
- INSTRUMENT DESIGN & DEVELOPMENT:** Electronic,

Mechanical and Optical Instrumentation preferably with experience of working with interdisciplinary teams in Industry / R&D Labs and Institutes of higher Education. Industrial Design with specialization preferably in Aesthetic / Human Factors / Product Prototyping / Design management in Industry / Consultancies.

- POLYMER SCIENCE & ENGG.:** Polymer Chemistry, Polymer and Rubber Technology, Polymer Rheology and Processing, Polymer Mould and Product Design, Polymer Blends and Composites.
- RURAL DEVELOPMENT & TECHNOLOGY:** Biomass Production & Utilization, Rural Energy Systems, Environmental Microbiology for Rural Application, Traditional Knowledge Systems, Rural Engg. and Infrastructure, Food Processing, Quality & Safety.
- NATIONAL RESOURCE CENTRE FOR VALUE EDUCATION IN ENGG.:** Philosophy of Values, Professional Ethics, Integration of Science, Technology and Human Values, Traditional Knowledge Systems and Values.

SCHOOLS:

- BHARTI SCHOOL OF TELECOMMUNICATION TECHNOLOGY & MANAGEMENT:** Telecommunication Systems, Protocol Engg., Wired and Wireless Networks, Optical Networks, High-speed Networks, Inter-working Protocols, Telecommunication Software, Signal Processing for Telecommunication and Allied Areas, International Telecommunications, Telecom Policy and Telecom System Management.
- AMAR NATH & SHASHI KHOSLA SCHOOL OF INFORMATION TECHNOLOGY:** All areas of interdisciplinary research involving significant use of Information Technology including, but not limited to, Information and system data analytics Security, High Speed Networks, Multimedia Systems, HCI (Human-Computer Interface), Embedded Systems and Sensor Networks, Geographical Information Systems, Computational & Systems Biology, Telemedicine and Medical Computing, ICT for Development, Digital Media: Legal & Social Issues.

Notes:

- The 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 and other related areas.
- If it is felt necessary or desirable, the appointment in a Center or a School may be made jointly with an appropriate Department.

MINIMUM QUALIFICATION AND EXPERIENCE : A Ph.D. with first class or equivalent grade at the preceding degree in an appropriate branch/discipline with a very good academic record throughout. A minimum of three years Teaching / Research / Industrial experience (excluding the experience gained while pursuing Ph.D.) **Candidates with Ph.D. but with less than 3 years of experience can be considered for Assistant Professor on contract.**

- The candidates should be preferably below 35 years of age. Relaxation in age is permissible as per Govt. of India norms.
- For recruitment as Assistant Professor in the Design Stream, Ph.D. is not a mandatory requirement.
- 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 post advertised.
- No correspondence whatsoever will be entertained from the candidates regarding postal delays, conduct and result of 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 application must be filled, if a candidate is applying in more than one Departments / Centres / or Schools.

- 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.
- Candidates are required to produce attested copy of Community Certificate in the prescribed format required for appointment to posts under the Govt. of India alongwith the application. **For OBC category, the candidate should not belong to the creamy layer.**
- PH – Only those persons having 40% or more disabilities are eligible to be considered for the post, reserved for PH.

IIT Delhi makes every attempt to help faculty members settle in their academic role and to grow professionally. Further details are available at (<https://recruit.iitd.ac.in>).

This includes:

- Initiation grant of up to Rs. 10.00 lakhs for research.
- A cumulative Professional Development Allowance of Rs. 3 lakhs for every block period of 3 years (Rs. One lakh per year) is available to every member of the faculty to meet the expenses for participating in both National and International Conferences, paying the membership fee of various professional bodies, books and periodicals and contingent expenses.
- Reimbursement of telephone bills up to a ceiling of Rs. 1500/- per month.
- There is provision for payment of traveling/moving allowance to faculty joining the Institute from abroad or from elsewhere in India as per Institute rules, details of which are available on the Institute website.
- Institute has a "Young Faculty Incentive Fellowship Scheme" sponsored by Alumni or Industry at the level of Assistant Professor being considered for the award by the Selection Committee. The awardee will receive an honorarium of Rs. 10,000/- p.m. for the duration of Fellowship or till the incumbent makes it to PB-4.

ACCOMMODATION: Suitable residential accommodation as per rules shall be provided on the Campus on joining the Institute subject to availability.

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, Hospital, Shopping Centre, Banks, ATMs, Post Office, Community Centre, etc.

It is a requirement that candidates visit the IIT Delhi website (<https://recruit.iitd.ac.in>), prepare and submit the completed application for appointment against the above position. The website also contains useful information on various aspects of working and living at IIT Delhi and 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 Organization 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.

However, **only in those cases where Internet access is not available**, an application form may be obtained from the Deputy Registrar (E-I) by sending a self-addressed envelope (26cm x 11cm) to the address given below. The completed application may be sent by postal mail to the address given below. In those cases where Internet access is available, the application must be submitted only through the website.

The last date of receipt of applications is 09.04.2013. (Candidates who have applied online at the end of last date please logon to our site (<https://recruit.iitd.ac.in>) and check the status whether your application is received or not).

**All purpose Address:
Deputy Registrar (E-I)
IIT Delhi, Hauz Khas,
New Delhi-110016 (INDIA)
Telephone: +91-11-26591716
E-mail: ar_e1@admin.iitd.ac.in**