



## INDIAN INSTITUTE OF TECHNOLOGY ROORKEE APPOINTMENT TO FACULTY POSITIONS

**Advt. No. IITR/5 (2015)**

**Dated: 10 June 2015**

Indian Institute of Technology Roorkee invites applications from Indian Nationals (foreign nationals can be appointed on renewable contracts of five years) with outstanding track record for faculty positions at the levels of Professor and Associate Professor. The Institute intends to fill up about 70 faculty positions through this advertisement in the following Departments/Centers:

Architecture and Planning; Biotechnology; Chemical Engineering; Chemistry; Earth Sciences; Earthquake Engineering; Electrical Engineering; Electronics & Communication Engineering; Humanities & Social Sciences; Hydrology; Management Studies; Mathematics; Mechanical & Industrial Engineering; Metallurgical & Materials Engineering; Physics; Alternate Hydro Energy Centre; Institute Computer Centre; Department of Polymer and Process Engg. (*Saharanpur Campus*); Department of Applied Science and Engg. (*Saharanpur Campus*)

Without any compromise on qualification, experience and competence, the reservation policy of the Ministry of Human Resource Development, Government of India regarding SC, ST, and OBC will be applicable for positions in the Department of Humanities & Social Sciences and Department of Management Studies. For appointments, preference will be given to the Persons with Disabilities, if suitable PH candidates are available.

The details of specializations in various Departments/Centres and requirements in terms of qualification and experience etc. can be seen on our website [www.iitr.ac.in](http://www.iitr.ac.in).

Interested candidates may apply through on-line application submission system on the Institute website before June 30, 2015:  
[www.iitr.ac.in/administration/pages/Openings+Faculty.html](http://www.iitr.ac.in/administration/pages/Openings+Faculty.html).

**For any query, please contact:**

Dean of Faculty Affairs, IIT Roorkee, Roorkee-247667

**E-mail:** [dfa@iitr.ernet.in](mailto:dfa@iitr.ernet.in); [adofa@iitr.ernet.in](mailto:adofa@iitr.ernet.in), [recruitment.iitr@gmail.com](mailto:recruitment.iitr@gmail.com),

**Tel:** +91-1332-285233, 285525 Fax. No.+91-1332-285433,

**website:** [www.iitr.ac.in](http://www.iitr.ac.in)

The candidate should ensure that he/she satisfies the required eligibility conditions at the time of application. However, the cut-off date for eligibility criteria for experience only, will be considered as July 31, 2015.

**Dean, Faculty Affairs**

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**  
**RECRUITMENT OF FACULTY**

**Advt. No. IITR/5 (2015)**

**Dated: 10 June 2015**

Indian Institute of Technology Roorkee invites applications from Indian Nationals (foreign nationals can be appointed on renewable contracts of five years) with outstanding track record for faculty positions at the levels of Professor and Associate Professor. The Institute intends to fill up around 70 faculty positions through this advertisement in the following Departments/Centers:

1. **Architecture & Planning**
2. **Biotechnology**
3. **Chemical Engineering**
4. **Chemistry**
5. **Computer Science & Engineering**
6. **Earth Sciences**
7. **Earthquake Engineering**
8. **Electrical Engineering**
9. **Electronics & Communication Engineering**
10. **Humanities & Social Sciences**
11. **Hydrology**
12. **Management Studies**
13. **Mathematics**
14. **Mechanical & Industrial Engineering**
15. **Metallurgical & Materials Engineering**
16. **Physics**
17. **Alternate Hydro Energy Centre**
18. **Institute Computer Centre**
19. **Department of Polymer and Process Engg. (Saharanpur Campus)**
20. **Department of Applied Science and Engg. (Saharanpur Campus)**

Without any compromise on qualification, experience and competence, the reservation policy of the Ministry of Human Resource Development, Government of India for SC, ST, and OBC category will be applicable for positions in the Department of Humanities & Social Sciences and the Department of Management Studies. The details of specializations in various Departments/Centres and requirements in terms of qualification and experience etc. are given below. Government of India policy on reservation of faculty positions also include persons with Physical Disabilities.

Interested candidates may apply through on-line application submission system on the Institute website ([www.iitr.ac.in/administration/pages/Openings+Faculty.html](http://www.iitr.ac.in/administration/pages/Openings+Faculty.html)) on or before midnight of June 30, 2015.

**Designations and pay structures are as follows:**

- (i) **Professor:** Pay structure: Pay Band-4 (Rs. 37400-67000) with AGP Rs. 10500/-). For direct recruits, minimum pay in the PB-4 to be fixed at Rs. 48,000/-.
- (ii) **Associate Professor:** Pay structure: Pay Band-4 (Rs. 37400-67000 with AGP-Rs.9500/-). For direct recruits, minimum pay in the PB-4 to be fixed at Rs. 42,800/-.

All other allowances are admissible as per institute rules.

**Qualifications & Experience:**

1. **Professor:** Ph.D. with first class or equivalent at the preceding degree in the appropriate branch with a very good academic record throughout and a minimum of 10 years'

experience of which at least 4 years should be at the level of Associate Professor in IITs, IISc Bangalore, IIMs, NITIE Mumbai and IISERs.

- 2. Associate Professor:** Ph.D. with first class or equivalent at the preceding degree in the appropriate branch with a very good academic record throughout and a minimum of 6 years teaching/industrial/research experience, of which at least three years should be at the level of Assistant Professor **in the Academic Grade Pay of Rs. 8000/-**

The requirement of the faculty positions and specializations, for the various Departments/ Centres is given below:

**1. Department of Architecture & Planning**

Architecture	Professor, Associate Professor
--------------	-----------------------------------

**2. Department of Biotechnology**

Animal Biotechnology; Biochemistry & Biophysics.	Associate Professor
--	---------------------

**3. Department of Chemical Engineering**

Process Modeling and Simulation Separation Processes.	Professor
Catalysis and Chemical Reaction Engineering.	Associate Professor
CFD, Microfluidics, Fluid Mechanics and Heat Transfer, Non-Newtonian Fluids, Electrokinetic Flow, Computational Algorithms for Complex Hydrodynamics, Process Engineering & Process Integration, Fast Pyrolysis of Biomass, Emulsion flow through Porous Media.	Associate Professor
Waste Water treatment, Nanoparticle Synthesis, Microchannel Fabrication, Soft Polymeric Materials: Synthesis and Characterization.	Associate Professor

**4. Department of Chemistry**

Organic Synthesis and Medicinal Chemistry	Associate Professor
Porphyrinoid Chemistry	Associate Professor

**5. Department of Computer Science & Engineering**

Cloud Computing and Mobile Computing	Associate Professor
--------------------------------------	---------------------

**6. Department of Earth Sciences**

Micropaleontology, Stable Isotope applications, Sedimentology, Geomorphology, Metamorphic Petrology, Archean Tectonics	Associate Professor
--	---------------------

**7. Department of Earthquake Engineering**

Engineering Seismology & Seismotectonics	Associate Professor
Structural Dynamics	Associate Professor
Soil Dynamics	Associate Professor

**8. Department of Electrical Engineering**

Electric Drives and Power Electronics	Associate Professor
Power System Engineering	Professor, Associate Professor
Systems & Control	Professor Associate Professor
Instrumentation & Signal Processing	Associate Professor

**9. Department of Electronics & Communication Engineering**

Communication Systems, System Control & Modelling	Professor, Associate Professor
---	-----------------------------------

**10. Department of Humanities & Social Sciences**

Sociology	Associate Professor
-----------	---------------------

**11. Department of Hydrology**

Hydro-informatics and Climate Change Studies	Professor
Ground Water Modeling and Bioremediation	Associate Professor
Watershed Modeling, Management and Experimental Hydrology	Associate Professor

**12. Department of Management Studies**

Finance	Professor
Marketing	Professor
General Management & Human Resource Management	Professor, Associate Professor
Operations	Associate Professor

**13. Department of Mathematics**

Approximation Theory	Associate Professor
Coding Theory	Associate Professor
Image Processing and Computer Vision	Associate Professor
Number Theory	Associate Professor
Functional Differential Equations	Associate Professor

**14. Department of Mechanical & Industrial Engineering**

Design Engineering	Associate Professor
Production & Industrial Engineering	Associate Professor
Thermal Engineering	Associate Professor

**15. Department of Metallurgical & Materials Engineering**

Physical Metallurgy (Powder Metallurgy, Corrosion Engineering, Tribology of Materials, Materials Joining, Phase Transformation, Mechanical Metallurgy, Transmission Electron Microscopy, Intermetallics, High Temperature Materials)	Professor, Associate Professor
--	-----------------------------------

**16. Department of Physics**

Photonics	Associate Professor
-----------	---------------------

**17. Alternate Hydro Energy Centre**

SHP Development and Environmental Management of Water Bodies	Professor
SHP Design and Testing (Turbine) and Solar Energy	Professor
Biomass Conversion and Environment Conservation	Professor
SHP Planning and Designs (Civil)	Associate Professor
Small Hydropower Development (Electrical)	Associate Professor

**18. Institute Computer Centre**

Computer Communication Networks	Associate Professor
---------------------------------	---------------------

### 19. Department of Polymer and Process Engineering (Saharanpur Campus)

Polymer Blend & Composite.	Professor
----------------------------	-----------

### 20. Department of Applied Science and Engineering (Saharanpur Campus)

Maths-Differential Equation & Fractional order Differential Equation	Associate Professor
Chemistry-Material Chemistry, Nanomaterials	Associate Professor
Physics-Energy Storage Materials, Nanomaterials	Associate Professor

#### **Last Date:**

The completed application should be finalized on Institute website before the midnight of June 30, 2015. *(To avoid last minutes traffic on the website please complete the application well in time.)*

#### **For any query please contact:**

Assistant Registrar (Recruitment)  
Indian Institute of Technology Roorkee  
Roorkee – 247 667  
Uttarakhand, INDIA  
Phone: 01332-286512  
e-mail:recruitment.iitr@gmail.com

#### **Notes:**

- (i) The candidate should ensure that he/she satisfies the required eligibility conditions at the time of application. However, the cut-off date for eligibility criteria for experience only, will be considered as **July 31, 2015**.
- (ii) The candidates should ensure that all the relevant information and documents have been uploaded, before finalizing the application. After finalization and submission of the application, the candidate should take a printout and keep for his/her record. **No hard copy of the application needs to be submitted.** The candidates called for interview should bring all the relevant documents in original, for verification.
- (iii) It is the responsibility of the candidate to keep his current employer informed about his application to IIT Roorkee. The candidates employed with Government/Semi-Government Organizations or with Autonomous Bodies will be required to produce a **No Objection Certificate (NOC)** from their current employer, at the time of interview.
- (iv) Incomplete applications in any respect will not be entertained by the Institute.
- (v) Mere fulfilment of the above mentioned qualifications & experience does not entitle a candidate to be called for interview. Institute will further make the criteria on the recommendations of Departments to arrive at a reasonable number of candidates to be called for interview for each Department.
- (vi) The Institute reserves the right to consider and to fill or not to fill positions in any of the specialization(s)/Department(s)/Centre(s).
- (vii) The minimum requirement of qualifications and/or experience may be relaxed in respect of outstanding candidates.
- (viii) Basic Degree in Architecture is essential for all new faculty positions in the Department of Architecture & Planning.
- (ix) The candidate can apply in more than one Department. He should select the desired Departments, before finalizing the online application on the website.

- (x) Those who have applied earlier for a faculty position will have to apply again if they wish to be considered against this advertisement.
- (xi) Reservation policy will be applicable as per the MHRD (Govt. of India) norms/rules. For availing reservation, the category certificate will be required.
- (xii) 3% of the vacancies are reserved for persons with disabilities as per GoI rules, subject to producing the Disability Certificate in the prescribed format issued by the Competent Medical Board.
- (xiii) The selected persons may be posted at any of the Campuses of the Indian Institute of Technology Roorkee, as per the requirement of the Institute from time to time.
- (xiv) 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.
- (xv) The candidates called for interview will be reimbursed 2nd Class AC Train Fare/ Economy Class Air Fare (By Air India only) from the place of their residence in India to Roorkee and back by the shortest route.
- (xvi) In case of any inadvertent mistake in process of the selection which may be detected at any stage, the Institute reserves the rights to modify/withdraw/cancel any communication made to the candidate(s).

**Dean, Faculty Affairs**