Indian Institute of Technology Roorkee has its roots in the Roorkee College established in 1847 as the first engineering college in India, which was rechristened as Thomason College of Civil Engineering in 1854 after its mentor James Thomason. After about 100 years of distinguished service, the college was elevated to University of Roorkee on November 25, 1949 on the initiative of the then Prime Minister of India, Jawaharlal Nehru. Since 2003, the Department has offered PG Diploma in Hydrology under the UNESCO's International Hydrology Decade. The training and education in Hydrology was one of the main components of this programme. In 1972, with the inception of the International Post-Graduate Course, the Department of Hydrology marked its beginning. The courses offered by the Department are presently sponsored by the Government of India and international agencies like UNESCO, World Meteorological Organization (WMO) etc. Till date, a total of 494 participants including 350 foreign participants from 43 countries have participated in the Post-Graduate Programmes.

The Department offers the following academic programmes:

- **PG. Diploma (Hydrology):** It is a 12-months academic programme, which includes classroom lectures, tutorials and practicals and a seminar in the first year; in the second year, the student develops himself to a research topic and continuously works on it, leading to the dissertation.
- **M.Tech. (Hydrology):** It is a 24-months academic programme. It includes classroom lectures, tutorials and practicals and a seminar in the first year. The candidate must submit the requisite document certifying the candidate’s standing along with the application.
- **Ph.D. (Hydrology):** The Department also offers PhD programme. For more information, please refer to our website www.iitr.ac.in.

**ELIGIBILITY FOR ADMISSION**

Candidates with the following academic qualifications are eligible to apply for admission to PG Diploma/ M.Tech programme in Hydrology. Candidates are encouraged to submit an online application form at www.iitr.ac.in/admission.

(a) Academic Qualifications (any one of the following)

- Bachelor’s degree in Civil Engineering/ Mining Engineering/ Geology or its equivalent.
- M.Sc./ M.Tech. (Master’s) degree in Chemistry/ Geology/ Geography/ Applied Geology/ Applied Geophysical/ Physics/ Meteorology/ Geology/ Geography/ Atmospheric Physics/ Environmental Science, with Mathematics in B.Sc. (Bachelor’s) course as one of the subjects.
- M.Sc. (Master’s) Degree in Physics or Mathematics at B.Sc. (Bachelor’s) level.
- M.Sc. (Master’s) degree in Mathematics with Physics in B.Sc. (Bachelor’s) level, or its equivalent.
- A.M.I.E. (Civil) with B.Sc. or Engineering Diploma qualifications with at least 3 years research/ teaching/ other professional experience in responsible capacities.

(b) Conditions for full time sponsored/collaborated candidates only

(i) Candidates seeking admission to the PG Diploma/ M.Tech programme in Hydrology and who possess the requisite qualification(s) stated above must have at least 60% aggregate marks or 6.0 CGPA on a 10 point scale of qualifying degree level.

(ii) Full time sponsored candidates must have a minimum of two years of full time work experience by the last date of submission of application form in a responsible capacity in a registered Firm/ Company/ Industry/ Educational and Research Institution/Government or Quasi-Government/ Autonomous Organizations in the relevant field(s) in which admission is being sought. The Firm/ Company/ Industry should either be a public sector undertaking or a public limited undertaking or a private agency whose annual turnover over the last two years exceeds Rs. 5 crores. Educational institutions sponsoring the candidates should be recognized by AICTE (Indian candidates only).

The Candidature working in Institute/university/industry/enterprises PG degree is not self eligible to apply under this Information Brochure

(iii) Candidates must submit the sponsorship certificate duly signed by the Head of the Institution/Organization on the prescribed proforma at the time of admission.

**SPONSORSHIP/FELLOWSHIPS**

(A) Fellowships for International Candidates

International candidates may apply through proper channel for the following fellowships. An advance copy of the fellowship forms should be sent to the Department of Hydrology for admission processing.

(i) Government of India (GoI) Fellowships:

- Technical Cooperation Scheme of Colombo Plan (TCS-Colombo Plan) implemented through Ministry of Finance, Department of Economic Affairs

For GoI fellowships, applications should be sent through the Indian Embassy/ High Commission in that country for onward transmission to IIT Roorkee. For details of GoI fellowships, the candidate should visit the webpages of the respective websites (www.indiain.org.in) and find out how to apply online. They also need to meet some minimum requirements for admission to the institute.

(ii) WMO Fellowships:

A few fellowships may be offered by World Meteorological Organization (WMO). The candidate should check the availability of such fellowships from WMO and then apply to the course directly with IIT Roorkee. If they have received an unconditional admission, the candidates should fill the WMO Fellowship Form available at: https://www.wmo.int/fellowship..

The candidate should submit the Fellowship Form through the Permanent Representative of his/her country with WMO (https://public.wmo.int/en/about-us/visit-us/contacts-representatives) to WMO Fellowship Office, World Meteorological Organization, 7 Bis, Avenue de la Paix, Case Postale 2300, CH-1211, Geneva 2, Switzerland (Tel: 0041 22 7308292, FAX: 0041 22 7308041, email: fel@wmo.int).

(B) International Candidates with other Sponsorship/Fellowship

Eligible candidates officially nominated through various government agencies (not covered under the Fellowship section) can also be admitted provided the sponsors are able to select the candidates and confirm the sponsorship. The candidate must apply through the advertisement released by PG Admission Office from the month of March every year.

- Part-time sponsored candidates may be admitted in accordance with the prevailing ordinances/regulations of IIT Roorkee.
- A few Indian candidates may also be admitted under GATE Early Faculty Induction Programme (GEFIE) of IIT/IISc and Defence Research & Development Organization (DRDO) Scheme. For further details about admission in these schemes, candidates should contact PS Admission Office, Indian Institute of Technology, Roorkee – 247 667.
- Admissions, scholarship and financial matters are governed by the IIT Roorkee ordinances/regulations framed/amended/modified and in vogue from time to time. Accordingly, the admission for session 2018-2019 will be as per the ordinance/regulations in force.

(C) GATE Qualified International Candidates

GATE qualified candidates are eligible to apply through their Embassy in India or Indian Embassy/Embassy in their country

(D) Indian Sponsored Candidates

Candidates working in Union and State Government Departments, Semi Government/PSU Organizations are eligible to apply under this category.

NEAREST BUS STATION/RAILWAY STATION/AIRPORTS

The Institute is located only 200 m away from Roorkee Bus Station and 2.5 km from Roorkee Railway Station. The nearest international airport is Indira Gandhi International Airport, New Delhi (approx. 200 km) and domestic airport is Jolly Grant Airport, Dehradun (approx. 60 km).

**CORRESPONDENCE**

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Online Applications : https://www.iitr.ac.in/departments/HY
Completed application in prescribed format should reach Roorkee before June 20, 2019

fellowship or financial assistance of any sort will be provided to them by IIT Roorkee. However, these candidates may be considered for assistantship in accordance with ordinances/regulations of IIT Roorkee.