

# Admission Brochure

P.G. Diploma/M. Tech. (Hydrology)  
(2009 - 2010)

Beginning July 21, 2009



Director : Dr. S. C. Saxena  
Head of the Department : Dr. Himanshu Joshi

## FACULTY

Dr. B.S. Mathur	Emeritus Fellow	Surface Water Hydrology
Dr. D.K.Srivastava	Professor	Water Resources Systems
Dr. Ranvir Singh	Professor	Watershed Management
Dr. D.C.Singhal	Professor	Hydrogeology
Dr. N.K. Goel	Professor	Stochastic Hydrology
Dr. Himanshu Joshi	Professor	Environmental Hydrology
Dr. M. Perumal	Associate Professor	Surface Water Hydrology
Dr. D.S. Arya	Assistant Professor	Hydroinformatics
Dr. M.K. Jain	Assistant Professor	Watershed Management

Experts from other Departments/Centres are also associated to deliver lectures in their areas of specialization as per requirements.

## ADMINISTRATIVE PERSONNEL

Dr. H .K. Verma	Deputy Director
Dr. Surendra Kumar	Dean, Finance and Planning
Dr. S. C. Jain	Dean, Administration
Dr. H. O. Gupta	Dean, Academic Research
Dr. G. S.Srivastava	Dean, Academic Studies
Dr. J.D. Sharma	Dean, Sponsored Research and Industrial Consultancy
Dr. D.K. Paul	Dean of Faculty Affairs
Dr. N.K. Goel	Dean of Students Welfare
Lt. Col. (Retd.) A.K.Srivastava	Registrar
Dr. U. P. Singh	Chief Warden, Khosla International House



DEPARTMENT OF HYDROLOGY  
INDIAN INSTITUTE OF TECHNOLOGY



## FOREWORD

Water is one of the most essential natural resources required for survival of the human beings. It is becoming scarce in quantity and quality throughout the world. Without effective capacity building in the water sector, it is very difficult to solve water related problems. The hydrological education should be one of the important aspects of the national policy of any country for capacity building in the water sector. Realization of this view point led to the establishment of a number of International Post-graduate Courses in hydrology under the ambit of UNESCO'S International Hydrology Decade launched in 1965.



The Department of Hydrology came into existence with the inception of the International Post-Graduate Course in Hydrology in 1972 at Roorkee (India). The courses offered by the Department of Hydrology are presently sponsored by the Government of India, UNESCO and WMO. The courses aim at training of engineers/scientists from Asia, Africa and other developing countries.

This brochure describes facilities available in the department, its academic programmes, eligibility criteria for admission, fellowships available and the estimates of annual expenditure. The format of the application form is also given in the brochure.

I invite all the prospective applicants working in various organizations relating to the water sector in India and abroad, to participate in the training programmes.

**Prof. S.C. Saxena**  
Director  
IIT Roorkee

## ABOUT THE INSTITUTE

Indian Institute of Technology Roorkee is the latest member of the IIT family and has its roots in the Roorkee College established in 1847 as the first engineering college in India, which was soon rechristened as Thomason College of Civil Engineering in 1854 after its mentor James Thomason. After about 100 years of distinguished services, the college was elevated to University of Roorkee as the first Engineering University of independent India on November 25, 1949. It has now 19 academic departments/centres offering 11 undergraduate courses in engineering and architecture, 5 dual degree programmes in engineering and over 50 postgraduate courses in engineering, architecture, sciences, computer applications and business administration besides research programmes at doctoral level.

The IIT Roorkee has a highly qualified and motivated faculty of about 367 members who are engaged in research and consultancy in addition to teaching. The faculty members offer their expertise through consultancy services to private/public sector industries as well as to Government agencies. The institute has about 3101 undergraduate students, 2385 postgraduates and 923 research scholars.

There are a number of academic and research centres engaged in interdisciplinary research, and many collaborative programmes exist with institutions in India and abroad. Several central facilities exist such as Central Library having more than 2,75,000 volumes of books and periodicals, Information Superhighway Centre with internet connectivity, an Audio Visual Research Centre with full-fledged television studio, a modern Computer Centre and Institute Instrumentation Centre with highly sophisticated analytical instruments.

The IIT Roorkee is fully residential, with well-designed hostels (Bhawans) both for boys and girls, and family accommodation for married students, sprawling sports ground, a modern swimming pool, boat club and a host of students clubs with facilities for different games including Tennis, Squash and Billiards. Societies and Associations along with activities like NCC, Ranging and Roving, Mountaineering and Trekking provide excellent opportunities for self-development. The campus also has a modern school for children education.

## 1. DEPARTMENT OF HYDROLOGY

The period of 1965 to 1974 saw the establishment of a number of International Post Graduate Courses in Hydrology under the United Nations Educational Scientific and Cultural Organisation's (UNESCO's) International Hydrology Decade launched in 1965. The training and education in Hydrology was one of the main components of this programme. The Department of Hydrology (DOH) came into existence with the inception of the International Post-Graduate Course in Hydrology in 1972. The courses offered by the Department of Hydrology are presently sponsored by the Government of India, UNESCO and WMO. So far a total of **752** participants including **287** foreign participants from **35** countries have participated in the Post-Graduate Programme (ANNEXURE-1). Since 2003, GATE, qualified fresh engineering and science graduates from India are also admitted in this programme.

### FACULTY:

Dr. Himanshu Joshi	Professor and Head	Environmental Hydrology
Dr. B. Mathur	Emeritus Fellow	Surface Water Hydrology
Dr. D.K. Srivastava	Professor	Water Resources Systems
Dr. Ranvir Singh	Professor	Watershed Management
Dr. D.C. Singhal	Professor	Ground Water Hydrology & Geophysics
Dr. N.K. Goel	Professor	Stochastic Hydrology
Dr. M. Perumal	Asso. Professor	Surface Water Hydrology
Dr. D.S. Arya	Assis. Professor	Hydroinformatics, DSS, GIS & RS
Dr. M.K. Jain	Assis. Professor	Watershed management, GIS & RS

## 2. PROGRAMMES OFFERED

The Department offers the following academic programmes:

- \* **M.Tech. (Hydrology):** It is a 24 month academic programme consisting of lectures, tutorials, practicals, and project preparation in the first year. In the second year, delivering of a seminar is followed by work on a dissertation problem.
- \* **P. G. Diploma (Hydrology):** It is a one year academic programme. It consists of all academic requirements of the first year M.Tech. (Hydrology).

- \* **Ph.D. in Hydrology :** The DOH is also actively engaged in various research areas of hydrology. So far fifty nine scholars of the Department have been awarded Ph.D. degrees. Currently, twenty three scholars are registered with the Department for pursuing their research leading to Ph.D. degrees.

### 3. LANGUAGE OF INSTRUCTION:

**ENGLISH**

### 4. INTAKE FOR M.TECH. (HYDROLOGY) AND P.G. DIPLOMA

The sanctioned intake for M.Tech. and P.G. Diploma programme is Thirty (30). Out of this strength, Twenty (20) candidates will be selected from different government/semi-government organizations from India and abroad whose candidature will be officially sponsored. Fourteen (14) M.Tech. seats will be filled through GATE qualified fresh candidates. Selection of GATE qualified candidates will be made alongwith admission of other M.Tech. candidates of different disciplines who will be admitted through a separate announcement by I.I.T. Roorkee.

### 5. SPECIALIZATIONS IN M.Tech./P.G. Diploma

A candidate can opt for pursuing his M.Tech./P.G. Diploma studies through any of the following three specializations offered by the Department.

- Surface Water Hydrology
- Ground Water Hydrology
- Watershed Management

The courses offered under these specializations consist of compulsory courses in Mathematics, Computer applications alongwith a Departmental core course on Hydrologic Elements and Analysis. The major specialization courses are as follows:

Surface Water	Ground Water	Watershed Management
<ul style="list-style-type: none"> <li>• Hydrological Data Collection, Processing and Analysis</li> <li>• Parametric Hydrology</li> <li>• Systems Analysis and Surface Water Planning</li> <li>• Stochastic Hydrology</li> <li>• Water Resources Planning and Management</li> <li>• Water Resources Economics</li> </ul>	<ul style="list-style-type: none"> <li>• Geophysical Investigations</li> <li>• Ground Water Hydrology</li> <li>• Hydrogeology</li> <li>• Remote Sensing and GIS Applications in Hydrology</li> <li>• System Analysis and Groundwater Systems</li> <li>• Water Quality and Environment</li> </ul>	<ul style="list-style-type: none"> <li>• Channel and Fluvial Hydraulics</li> <li>• Hydrometeorology</li> <li>• Planning and Management of Watersheds</li> <li>• Remote Sensing and GIS Applications in Hydrology</li> <li>• System Ecology and Environmental Planning</li> <li>• Watershed Behaviour and Conservation Practices</li> </ul>

- Apart from the major courses of specialization, candidate has to opt courses on minor specializations offered by the DOH/other Departments/Centres of IIT, Roorkee. The students are free to select a number of courses from a group of courses offered, to strengthen their base depending upon their inclination towards other disciplines.

Working on a project and preparation of its report constitutes an important aspect of the first year of the academic programme. The students are required to complete the hydrological analysis needed for a comprehensive project related to their fields of specialization.

## 6. ELIGIBILITY FOR ADMISSION

Candidates with any of the following academic qualifications are eligible to apply for admission to M.Tech/P.G. Diploma programme in Hydrology:

(a). (i) Bachelor's degree in Civil/Mechanical/Agricultural Engineering/ Hydrology or its equivalent qualification, **OR**

M.Sc./M.Tech. (Master's) degree in Chemistry/Geology/ Geophysics/Applied Geology/Applied Geophysics/Physics/ Meteorology/ Geography/ Atmospheric Physics/ Environmental Science, with Mathematics in B.Sc. (Bachelor's) course as one of the subjects, **OR**

M.Sc. (Master's) Degree in Statistics with Physics or Mathematics at B.Sc. (Bachelor's) level, **OR** M.Sc. (Master's) Degree in Mathematics with Physics at B.Sc. (Bachelor's) level, or its equivalent **OR**

(ii) A.M.I.E. candidates with B.Sc. or Engineering Diploma qualifications, who have completed Sections A and B Examinations of the Institution of Engineers (India) and have been elected as A.M.I.E. (Civil or Mechanical) and have at least 3 years research or teaching or other professional experience in responsible capacities may also be admitted after such applicants have passed a prescribed written/oral test.

(iii) For admission to the Watershed Management option of the P.G. Diploma, candidates with M.Sc. (Master's) Degree in Soil Science or Two Years Diploma in Forestry after B.Sc. (Bachelor's) with Physics and Mathematics in the B.Sc. (Bachelor's) course are also eligible.

## (b) For full time sponsored/nominated candidates only:

(i) Candidates seeking admission to M.Tech. Hydrology and who possess the required qualification (s) stated above must have at least 60% aggregate marks or 6.00 CGPA on a 10 point scale at qualifying degree level. (For the Indian candidates belonging to SC/ST category, the qualifying percentage is 55% aggregate or 5.5 CGPA on a 10 point scale. The SC/ST category candidates must submit, the requisite certificate along with the application or at the time of counseling (for GATE qualified/fresh candidates) from a competent authority. Part-time sponsored candidates can be admitted in accordance with the prevailing regulations/rules of I.I.T. Roorkee).

(ii) The full time sponsored candidates must have a minimum of two years of full time work experience in responsible capacity in a Registered Firm/Company/Industry/Educational and Research Institution/Govt./Quasi Govt. Autonomous Organization in the relevant field in which admission is being sought. The Firm/ Company/Industry shall either be a public sector undertaking or a public limited undertaking or a private concern whose annual turn-over during the last two years exceeds Rs. 5 crores. The educational institutions should be recognized by AICTE.

(iii) Candidates must submit the sponsorship certificate duly signed by the Head of the Institution/Organization on the prescribed Proforma at the time of counseling. A few Indian candidates may also be admitted under QIP, Early Faculty Induction Programme (EFIP) of AICTE and Defence Research & Development Organization (DRDO) Schemes, for which admission procedure is separate and for further details, Assistant Registrar (Academic), Indian Institute of Technology, Roorkee - 247 667 may be contacted.

**Admissions and studentship and related matters are governed by the IIT Roorkee ordinances/regulations/rules/norms framed/amended/modified and in vogue from time to time. Accordingly, the admission for session 2009-2010 will be as per new regulations in force.**

## 7. EXAMINATION AND AWARD OF DEGREE / DIPLOMA

The students have to attain certain minimum academic requirements to pass the prescribed examination(s). The successful candidates in the examinations, as per requirements of the Institute, are awarded either an M.Tech. Degree in Hydrology or a Post Graduate Diploma in Hydrology as per the option for which they were registered.

## 8. FELLOWSHIPS

### [A] For Foreign Candidates

The courses are sponsored by the Government through Ministry of External Affairs under ITEC and SCAAP programmes; Ministry of Finance (Department of Economic Affairs) under TCS of Colombo Plan, UNESCO and WMO.

Foreign candidates may apply through proper channel for the following fellowships: An advance copy be sent to the DOH at its correspondence address.

#### (i) The Government of India (GOI) Fellowships:

The Government of India grants fellowships to foreign nationals under its following schemes:

- a. Indian Technical Economic Cooperation (ITEC)
- b. Technical Cooperation Scheme of Colombo Plan (TCS-Colombo Plan) implemented through ICCR in 15 countries
- c. Special Commonwealth African Assistance Plan (SCAAP)

For GOI fellowships, applications should be sent through the Indian Embassy/Legation in that country for onward transmission to Roorkee.

For details of GOI fellowships, the candidates may visit the website of the respective schemes: ITEC & SCAAP schemes: [www.itec.nic.in](http://www.itec.nic.in)

The application forms for TCS Colombo plan may be downloaded from the website: [http://geocities.com/doh\\_iitr/](http://geocities.com/doh_iitr/)

#### (ii) UNESCO/WMO Fellowships:

A few fellowships may be available with the financial support of UNESCO and World Meteorological Organization (WMO). The candidates are advised to confirm from UNESCO and WMO the availability of such fellowships in advance.

For UNESCO sponsored fellowships, the applicants should apply to the Director, UNESCO Regional Office (ROSTSCA), B-5/29, Safdarjung Enclave, New Delhi-110 029 (India) through the National Commission of UNESCO in their country/region.

For World Meteorological Organization (WMO) sponsored fellowships, the candidate should apply on WMO Fellowship Form available either from the permanent representative of their country to WMO or directly from **WMO Fellowship Division, Education and Training Department, World Meteorological Organization, 7 bis, Avenue de la Paix, Case Postale 2300, CH-1211, Geneva 2, Switzerland [Tel: 004122-7308292, FAX: 004122-7308041]**. These applications along with all academic transcripts should be forwarded to WMO, Geneva, Switzerland for onward transmission to IIT Roorkee. However, an advance copy of the application need to be sent to the DOH at its correspondence address.

### [B] For Indian Candidates

- (i) For Sponsored Candidates: No fellowship or financial assistance of any sort will be provided by the Department of Hydrology or I.I.T. Roorkee.
- (ii) For GATE qualified Fresh Graduates: Fourteen (14) seats shall be filled through GATE qualified fresh graduates. These candidates may be considered for assistantship in accordance with regulations/ordinances/rules of I.I.T. Roorkee.

## 9. NOMINATED CANDIDATES

Eligible candidates officially nominated through various government agencies (not covered under the Fellowship clause) can also be admitted provided the sponsors give an undertaking that all the expenses including the teaching cost will be borne by the sponsors for which the payment to IIT Roorkee will be remitted in advance. Such applications should come through the Indian Embassy/Legation in that Country to Professor & Head, Department of Hydrology, IIT Roorkee. The IIT Roorkee will communicate the amount of advance payment to be made to this effect.

## 10. ESTIMATE OF ANNUAL EXPENSES

At present, nominal fee is being charged from the Indians participants sponsored by state and central Govt. Departments, as per

Institute norms. The students, have to bear their own boarding, lodging and other expenses. Approximate annual expenses under different heads are indicated in the following Table.

***Institute fee, Institute caution deposit, Library deposit and one time payment mentioned in part 'A' of the following Table be remitted through Bank Draft drawn in favour of the Registrar I.I.T. Roorkee, payable at Roorkee and be enclosed alongwith the Deputation Order/ Financial Sanction.***

<b>Expenditure</b>	<b>P.G. Diploma (1 year) (in Rs.)</b>	<b>M.Tech. Programme (2 years) (in Rs.)</b>
<b>[A.]</b> (i) Institute Fee	55,080	1,10,160
(ii) Institute caution deposit (refundable)	1,000	1,000
(iii) Library deposit (refundable)	2,000	2,000
(iv) One time payments	2790	2790
<b>[B.]</b> Other Expenses		
(i) Boarding and lodging	30,000	60,000
(ii) Field Trips	5,000	10,000
(iii) Books, stationery, lecture notes, examination fee etc.	10,000	20,000
(iv) Outfit and medical expenses	5,000	10,000

[Note: 1 US\$ = Rs. 50/- approx.]

Foreign nationals sponsored by various agencies have to pay the Institute fee at the following rates.

- (i) Candidates from SAARC countries - US\$ 2000 per annum
- (ii) Candidates from other countries - US \$ 4000 per annum.

It may be noted that the other expenses mentioned in part 'B' of the Table will be borne by the students and may be sanctioned/ reimbursed by the funding agencies directly to the candidates as per the prevailing rules of the sponsoring agency.

## 11. APPLICATION

Eligible candidates are advised to apply through proper channel on an application to be submitted on prescribed format given in Annexure-2 alongwith following enclosure:

- i. Two recent passport size photographs with name written at their back.
- ii. A Certificate of Health indicating applicant's general fitness to be issued by a physician of the Official Health Services.

- iii. Copies of academic transcripts giving the proof of aggregate percentage of marks/CGPA obtained attach attested copies in (English version). For M.Sc. degree holder, a certificate/marksheet indicating the subjects offered in the B.Sc. course must be attached.
- iv. Candidate should submit on a separate sheet the work experience record in chronological order.
- v. SC/ST Certificate (applicable to Indian candidates only).

## 12. OTHER ACADEMIC ACTIVITIES AND INFORMATION

The Department of Hydrology of organized an International Conference in February 2005 on the theme "Hydrological Perspectives for Sustainable Development (HYPESD)." This was the sixth Symposium/Conference the department had organized since its inception. Apart from this, a number of special short-term courses (more than 80) and workshops were also organized in the past. Some of these events were specially designed to cater to the needs of user organizations. Also, the department has handled many research and consultancy projects (more than 100) in different fields of hydrology.

The Department can organize short term training courses on specified topics relating to hydrology and water resources which may be required for the engineers of State Departments and various central government organizations dealing with water sector.

The following laboratories are functioning in the department:

- (i) Hydrometeorological Lab.
- (ii) Computer Lab.,
- (iii) Hydrological Information Systems Lab.,
- (iv) Water Quality Lab.
- (v) Surface Water Lab.,
- (vi) Ground Water Lab.
- (vii) Geophysics Lab., and
- (viii) Experimental Watershed

The departmental library has an up-to-date collection of over 6500 books, publications, and reports etc. on recent topics on different facets of hydrology.

Besides above, central facilities of the Institute viz., Library, Information Superhighway Centre providing internet and e-mail services, Computer Centre, Institute Instrumentation Centre are also available. The institute has a big Sports Complex, Hobbies Club and other facilities.

### 13. INSTRUCTIONS

(i) Limited family accommodation is available. However, the students are advised not to bring their families at the beginning of the course. Family accommodation may be provided as and when available as per rules.

(ii) Selected candidates should bring with them 12 photographs, original academic transcripts, authenticated English versions of transcripts, hydrological report/data, maps, charts etc. for working on M.Tech. Dissertation.

(iii) As per the prevalent regulations all the foreign students arriving in India are required to get themselves checked for AIDS before they depart from their countries. Irrespective of the fact stated above they may again be asked for AIDS check up before joining the course.

(iv) Each foreign student is required to register at the District Headquarter (Haridwar) within 15 days of his/her arrival in India.

(v) **AUTHORITIES WHO MAY ISSUE SCHEDULE CASTE / SCHEDULE TRIBE (SC/ST) CERTIFICATE** (Applicable to Indian Candidates only): A competent authority as recognized by IIT Roorkee. It can be also checked from the IIT Roorkee website: [www.iitr.ernet.in](http://www.iitr.ernet.in)

### 14. INTERPRETATION OF IIT REGULATIONS

(i) Dispute if any, arising out of or relating to any matters whatsoever concerning the admission and or academic programme of M.Tech/P.G. Diploma in Hydrology shall be subject to the exclusive jurisdiction of courts at Roorkee/Uttaranchal State.

(ii) In case of any dispute or difference of opinion in interpretation of IIT regulations or any other matter not covered in this brochure, the decision of the Chairman, Senate shall be final and binding.

(iii) Notwithstanding anything contained in the regulations, the Chairman of the Senate may, in emergent situation, take such action on behalf of the Senate, as he deems appropriate and report it to the next meeting of the Senate for its approval.

### 15. ABOUT ROORKEE

Roorkee, a quiet town of moderate size in the district of Haridwar (Uttaranchal), is located on the banks of the Upper Ganga Canal, which takes off at Hardwar. It is about 30 km south of the Shivalik range of the mighty Himalayas, about 170 km to the north of Delhi and is situated on Amritsar-Howrah main railway line. Roorkee is linked by rail to many important mega cities such as Delhi, Kolkata, Chennai and Mumbai. Roorkee is also well connected by road, being located on the Delhi-Hardwar National Highway (NH 58), and on the Roorkee - Panch Kula Highway (NH 73). The Roorkee town (Latitude 29° 52' N and

Longitude 77° 53.52" E) is 268 m above mean sea level. The temperature ranges from 5° C to 20° C in winter (October to March) and from 25° C to 40° C in summer (April to September). The average annual rainfall is 1100 mm and bulk of it occurs from middle of June to September.

Apart from the Institute, which is situated in a 150 hectare campus, Roorkee town is an important centre of engineering activity. It has the Central Building Research Institute, the National Institute of Hydrology, the Irrigation Research Institute, the Irrigation Design Organization, the headquarters of Bengal Engineering Group & Centre along with an important Army base.

The Institute campus is 2.5 km from the Roorkee Railway Station and is only 200 m from the Roadways Bus Station.

### 16. NEAREST INTERNATIONAL AIRPORT

Indira Gandhi International Airport, New Delhi (approx. 200 km).

ANNEXURE-1

### PARTICIPATION IN INTERNATIONAL POST GRADUATE HYDROLOGY PROGRAMME DURING 1972-2008

#### (A) COUNTRYWISE PARTICIPATION

S. No.	Country	Trainees	S. No.	Country	Trainees
1.	Afghanistan	17	19.	Myanmar	11
2.	Bangladesh	25	20.	Nepal	42
3.	China	4	21.	Nigeria	6
4.	D.P.R. Yemen	4	22.	Pakistan	1
5.	D.R. Congo	2	23.	Palestine	1
6.	Egypt	2	24.	Panama	1
7.	Eritrea	1	25.	P.D.R. Laos	9
8.	Ethiopia	10	26.	Philippines	15
9.	Ghana	3	27.	Sierra Leon	1
10.	India	465	28.	Somalia	1
11.	Indonesia	32	29.	Sri Lanka	13
12.	Iran	14	30.	Sudan	20
13.	Iraq	3	31.	Syria	6
14.	Jordan	1	32.	Tanzania	6
15.	Kazakhstan	2	33.	Thailand	4
16.	Malaysia	2	34.	Uganda	2
17.	Mongolia	6	35.	Uzbekistan	1
18.	Morocco	1	36.	Vietnam	18
				<b>TOTAL</b>	<b>752</b>

(B) STATEWISE INDIAN PARTICIPATION

S. No.	Indian State / Organization	Trainees	S. No.	Indian State / Organization	Trainees
1.	Assam	53	18.	Madhya Pradesh	26
2.	Andhra Pradesh	15	19.	Maharashtra	20
3.	Arunachal Pradesh	6	20.	Manipur	1
4.	Bihar	21	21.	Meghalaya	1
5.	CSWCRTI	2	22.	Ministry of Agriculture	1
6.	Central Water Commission	25	23.	Mizoram	2
7.	Central Ground Water Board	12	24.	Municipal Corpn. of Delhi	1
8.	CWPRS	9	25.	N.I.H., Roorkee	9
9.	Damodar Valley Corporation	5	26.	NWDA	3
10.	Gate qualified	37	27.	Orissa	76
11.	Goa	4	28.	Punjab	1
12.	Gujarat	20	29.	Tamil Nadu	2
13.	Haryana	4	30.	THDC	3
14.	Himachal Pradesh	4	30.	Tripura	1
15.	Jammu & Kashmir	11	31.	Uttar Pradesh	23
16.	Karnataka	24	32.	West Bengal	37
17.	Kerala	6		<b>TOTAL</b>	<b>465</b>

**FORMAT OF APPLICATION FORM  
INTERNATIONAL POST GRADUATE AND MASTER'S  
COURSE IN HYDROLOGY**

**Department of Hydrology, Indian Institute of Technology  
Roorkee, Roorkee**

**<http://www.iitr.ernet.in/departments/HY/index.htm>  
(Sponsored by the Govt. of India and the UNESCO)**

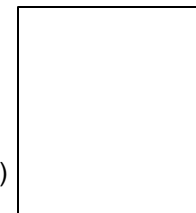
**38th Course : July 21, 2009 to July15, 2010/2011**

(Starting July 21,2009 and ending on July 15, 2010 for P.G. Dip. and July 15, 2011 for M. Tech. respectively)

**IMPORTANT** (Applicants may please ensure that he/she possesses the necessary eligibility criterion.)

An advance copy of the completed application along with academic transcripts (in English) be directly sent to the Professor and Head, Department of Hydrology, Indian Institute of Technology Roorkee, Roorkee- 247 667 (India) hydro@iitr.ernet.in and hydrology.iitr@gmail.com before **June 30, 2009. (April 30, 2009 for ITEC/ SCAAP, WMO and UNESCO sponsored candidates)**

1. Full Name : .....  
in block letters (underline surname)
2. Nationality : .....  
(any change in nationality may be indicated with period)
3. Date and Place of birth : .....
4. Parentage (your country of origin) : .....
5. Present address (correspondence address).....  
.....  
.....
6. Permanent address (with fax/ e. mail) : .....  
.....  
.....
7. Passport number, date and place of issue and validity : .....  
(for foreign candidates only) .....
8. Dates and place of previous stay in India (for foreign candidates only) :
9. Occupation : .....



10. Expected duration of stay: .....
11. Places to be visited : .....
12. The name of Indian Mission abroad where visa will be applied : .....  
(for foreign candidates only) .....
13. Source of funding and terms and conditions of funding. : .....
14. Whether accompanied by spouse/ dependent. If so give particulars.
15. Qualifications (starting from the highest degree): Attach photo copies of certificates.

College/Institute Name & address	Degree or Examination passed	Year of Passing	Division with % of marks/Grade Point Av.	Position/ Distinction	Main Subjects

16. Professional (work) experience (Starting from the recent one):

Name of Department	Position held	Period		Details of work done
		From	To	

17. Preference of specialization desired: (Surface water/Ground water/  
Watershed management).....
18. Knowledge of English language (read/write/speak): .....  
(Certificate for level of proficiency attained be submitted)
19. Appeared in GRE or equivalent examination (if yes, Give details): .....
20. Official address with Fax number.: .....
21. Emergency address: .....  
.....  
.....

Signature of Applicant

# IIT Roorkee at a Glance



# Department at a Glance



## CORRESPONDENCE

Professor and Head  
Department of Hydrology  
Indian Institute of Technology Roorkee  
Roorkee-247 667, India  
Phone : 0091-1332-285390 (Office)  
FAX : 0091-1332-285390, 273560  
E-mail : [hydro@iitr.ernet.in](mailto:hydro@iitr.ernet.in), [hydrology.iitr@gmail.com](mailto:hydrology.iitr@gmail.com)  
Website: <http://www.iitr.ernet.in/acads/depts/hydrology/index.htm>

Completed applications in prescribed format to reach Roorkee preferably before June 15, 2009  
(April, 30, 2009 ITEC/SCAPP and UNESCO Sponsored Candidates)