



महाराष्ट्र शासन  
जलसंपदा विभाग,

तिसरा मजला, मुख्य इमारत, मादाम कामा मार्ग, हुतात्मा राजगुरु चौक, मंत्रालय, मुंबई ४०० ०३२  
दूरध्वनी क्र ०२२-२२७९३०५६/२२०४०००७

Email ID :

:doestttrg.wrd@maharashtra.gov.in

क्रमांक : टिजीओ-२०२२/(प्र.क्र.१२/२०२२)/आ(प्रशि)  
प्रति,

दिनांक : ०१ एप्रिल, २०२२

महासंचालक (संकल्पन, प्रशिक्षण, जलविज्ञान, संशोधन व सुरक्षितता), (मेरी), नाशिक  
सर्व कार्यकारी संचालक, जलसंपदा विभाग, महाराष्ट्र शासन.  
मुख्य अभियंता (स्थापत्य), जलविद्युत प्रकल्प व गुणनियंत्रण, पुणे.  
मुख्य अभियंता (यांत्रिकी), नाशिक.  
मुख्य लेखा परीक्षक जल व सिंचन, महाराष्ट्र राज्य, औरंगाबाद.  
अधीक्षक अभियंता (दक्षता पथक/कृष्णा पाणी तंटा लवाद विशेष कक्ष/  
पाटबंधारे संशोधन व विकास संचालनालय)

**विषय :-** इंडियन इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, रुरकी (IIT) या संस्थेमार्फत  
आयोजित M-Tech in Dam Safety and Rehabilitation या पदव्युत्तर  
अभ्यासक्रमाकरिता जलसंपदा विभागातील अधिका-यांची नामनिर्देशने  
मागविण्याबाबत....

उपरोक्त विषयाबाबतचे अतिरिक्त सचिव, जल शक्ति मंत्रालय, जल संसाधन नदी विकास आणि गंगा संरक्षण विभाग, नवी दिल्ली यांच्या दिनांक ०४.०३.२०२२ रोजीच्या अर्ध शासकीय पत्राची प्रत व इंडियन इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, रुरकी (IIT) या संस्थेचे M-Tech in Dam Safety and Rehabilitation या विषयावरील पदव्युत्तर अभ्यासक्रमाचे माहितीपत्रक सोबत जोडले आहे.

२. प्रस्तुत पत्रान्वये इंडियन इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, रुरकी (IIT) या संस्थेमार्फत आयोजित उपरोक्त दोन वर्षांच्या पूर्णवेळ अभ्यासक्रमासाठी Sponsored Category अंतर्गत, DRIP Project मध्ये समाविष्ट असलेल्या अधिका-यांची नामनिर्देशने मागविण्यात आली आहेत. सबब, खालील नमूद बाबी विचारात घेऊन सदर अभ्यासक्रमास प्रवेश घेण्याकरिता इच्छुक असणा-या आपल्या अधिनस्त अधिका-यांची नामनिर्देशने विहित नमुन्यातील अर्जासह दि.१५.०५.२०२२ पर्यंत शासनास सादर करावी.

१) इंडियन इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, रुरकी (IIT) या संस्थेमार्फत आयोजित M-Tech in Dam Safety and Rehabilitation या अभ्यासक्रमाचे माहितीपत्रक आपल्या अधिनस्त कार्यालयांना निर्गमित करून, सदर अभ्यासक्रमासाठी विभागातील ३५ वर्षांखालील व किमान ५ वर्षे सेवा पूर्ण झालेल्या सहायक अभियंता श्रेणी-१ (स्थापत्य)/उप अभियंता (यांत्रिकी) संवर्गातील इच्छुक अभियंत्यांचे विहित नमुन्यातील अर्ज (Sponsored Category अंतर्गत) कार्यालयाच्या शिफारशीसह सादर करावे. तसेच सद्यःस्थितीत शक्यतो १२ प्रशासकीय मान्यता प्राप्त प्रकल्पांशी संबंधित अधिका-यांचा देखील सदर अभ्यासक्रमाकरिता विचार करावा.

२) संबंधित अभियंत्यांचा परिविक्षाधीन कालावधी पूर्ण झाल्याचे आदेश निर्गमित केलेले असणे आवश्यक आहे. इच्छुक अभियंत्यांच्या विरुद्ध विभागीय चौकशी चालू किंवा प्रस्तावित असल्यास त्याबद्दलचे कार्यालयाचे प्रमाणपत्र अर्जासोबत जोडावे.

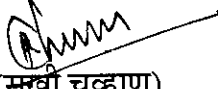
३) संस्थेच्या माहितीपत्रकात नमूद केलेली शैक्षणिक अर्हता तसेच पात्रतेच्या अन्य निकषांची पूर्तता होणे आवश्यक आहे.

४) अभ्यासक्रमाचे शुल्क प्रतिवर्षी ₹७३,०००/- (होस्टेल व इतर खर्च वगळून) इतके आहे. धरण पुनर्स्थापना व सुधारणा प्रकल्प टप्पा-२ (DRIP-२) मध्ये Sponsored Candidates अंतर्गत महाराष्ट्र राज्यातून निवड होणा-या अधिका-यांच्या अभ्यासक्रम शुल्काची प्रतिपूर्ती धरण पुनर्स्थापना व सुधारणा प्रकल्प टप्पा-२ (DRIP-२) या केंद्र शासन पुरस्कृत कार्यक्रमातून करण्याची तरतूद प्रकल्प संचालक तथा अधीक्षक अभियंता, धरण सुरक्षितता संघटना, नाशिक यांचेमार्फत होणार आहे. मात्र इच्छुक उमेदवारांना सुरुवातीला सदर शुल्क स्वतः भरावे लागेल.

५) शासन स्तरावरून नामनिर्देशित केलेल्या व इंडियन इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, रुर्की (IIT) या संस्थेकडून अंतिम निवड झालेल्या अधिका-यांनी अभ्यासक्रमास प्रवेश घेण्यापूर्वी अध्ययन रजेसाठी विहित मार्गाने शासनास अर्ज सादर करावा.

६) एखाद्या अधिका-यास उपरोक्त अभ्यासक्रम पूर्ण करण्यास शासनाकडून अंतिम मंजूरी मिळाल्यानंतर दोन वर्षांचा अभ्यासक्रम पूर्ण करणे बंधनकारक राहिल व सदर अभ्यासक्रम पूर्ण करून शासन सेवेत रुजू झाल्यानंतर दहा वर्षांच्या आत कोणत्याही कारणास्तव शासन सेवा संपुष्टात आल्यास शासनाकडून प्रतिपूर्ती झालेल्या अभ्यासक्रम शुल्काची पूर्ण वसूली तसेच त्यांना उपरोक्त कालावधीत अदा करण्यात आलेल्या वेतन व भत्यांची वसूली त्यांच्या वतनातून अथवा त्यांना शासनाकडून मिळणा-या सेवा समाप्ती नंतरच्या रक्कमांमधून करण्यात येईल.

७) उपरोक्त दोन वर्षांच्या पदव्युत्तर अभ्यासक्रम पूर्ण केल्यानंतर संबंधित अधिका-यांची आवश्यकतेनुसार नियुक्ती धरण पुनर्स्थापना व सुधारणा प्रकल्प टप्पा-२ अंतर्गत करण्यात येईल.

  
(सखी चव्हाण)

अवर सचिव, महाराष्ट्र शासन

सोबत : वरीलप्रमाणे

प्रत,

- १) मुख्य अभियंता, नियोजन व जलविज्ञान, नाशिक
- २) प्रकल्प संचालक तथा अधीक्षक अभियंता, धरण सुरक्षितता संघटना, नाशिक.
- ३) आ प्रीश (संग्रहार्थ)

देवश्री मुखर्जी, भा०प्र०से०  
**DEBASHREE MUKHERJEE, IAS**  
 Additional Secretary  
 Tel. : 23714609, Fax : 23716894  
 E-mail : aswrs-mowr@nic.in  
 dmukher@gov.in



भारत सरकार  
 जल शक्ति मंत्रालय  
 जल संसाधन, नदी विकास  
 और गंगा संरक्षण विभाग  
 श्रम शक्ति भवन  
 रफी मार्ग, नई दिल्ली-110 001  
 GOVERNMENT OF INDIA  
 MINISTRY OF JAL SHAKTI  
 DEPARTMENT OF WATER RESOURCES,  
 RIVER DEVELOPMENT & GANGA REJUVENATION  
 SHRAM SHAKTI BHAWAN  
 RAFI MARG, NEW DELHI-110 001

DO No. T-200101/2/2020-DSR DTE / 149

4<sup>th</sup> March, 2022

*Dear Sh. Rajput,*

You may be aware that the Dam Safety Act 2021 has been notified by the Government of India in December 2021. This Act is very comprehensive, and the implementation of the provisions of the Act, in letter and spirit, will significantly improve operation and safety of our dams. In order to comply with various provisions of this Act, our dam owners need to strengthen their organizations in terms of new skills, knowledge and capacity.

2. The externally funded Scheme DRIP Phase II and Phase III can provide you with the support required to meet these objectives. The Ministry of Jal Shakti has also supported IIT Roorkee and IISc Bangalore to start new Master's degree programs (M.Tech.) in dam safety to provide much needed exposure to working dam professionals / engineers as well as to expand the knowledge base in India.

3. IISc Bangalore and IIT Roorkee have announced the admission for the academic year 2022. The detailed admission procedure of IISc Bangalore is available at <http://www.iisc.ac.in/admissions>. The official Brochure for admission in IIT Roorkee is also enclosed for information. This new M Tech. program in dam safety is a part of DRIP initiatives. All expenditure related to this program in respect of sponsored candidates is eligible for reimbursement under the second Component; Dam Safety Institutional Strengthening of DRIP Phase-II.

4. Maharashtra Water Resources Department is one of the State Implementing Agencies under DRIP Phase II and Phase III. Participation in the programs being run by these two premier institutes will significantly enhance capacity in your state. It is therefore requested to sponsor minimum two working candidates for each institute, having substantial length of service to join this program. This will ensure long term sustainability and desired institutional capability of your department for safe and efficient operation of dams.

*With regards,*

Yours sincerely,

Encl: as above

  
 (Debashree Mukherjee)

Shri Vilas G. Rajput,  
 Secretary  
 Water Resources Management & CAD,  
 Govt. of Maharashtra,  
 Mumbai.



**Brief about Course and Admission into M.Tech. Prog. in IISc, Bangalore & IIT Roorkee for DRIP IAs**

Sr. No.		IISc Bangalore	IIT Roorkee
1.	<b>Name of Program</b>	M. Tech. (Dam Engineering)	M Tech (Dam Safety & Rehabilitation)
2.	<b>Duration</b>	2 years	
3.	<b>Type of Candidate</b>	Sponsored Candidates from Implementing Agencies of DRIP Phase-II	
4.	<b>Minimum qualification</b>	BE / B Tech or equivalent degree in Civil, Mechanical Engineering with a minimum second class	<ul style="list-style-type: none"> <li>• 2-years of relevant experience in Dam safety, rehabilitation and other associated areas</li> <li>• Graduation/ Post Graduation degree in Civil/ Mechanical/ Earthquake/ Hydrology/ Water Resources Engineering/ equivalent;</li> <li>• Post-graduation degree in Physics/ Mathematics/ Geology/ Geophysics; Environmental Engineering/ equivalent;</li> <li>• Any other degree acceptable to the Implementing agencies for regular appointment in the dam safety wings.</li> <li>• At least 60% aggregate marks or 6.00 CGPA on a 10-point scale at qualifying Graduation/ Post Graduation degree. For Indian candidates belonging to SC/ST category, the qualifying percentage is 55% aggregate marks or 5.5 CGPA on a 10- point scale.</li> </ul>

h/n 10

5.	<b>GATE score</b>	Not required	
6.	<b>Selection Criteria</b>	Performance in the technical interview (Interview call by the Institute based on screening of application)	
7.	<b>Annual Fee</b>	Approx. Rs. 34,200/- (excluding accommodation and other expenses)	Approx. Rs. 73,000/- (Excluding Hostel fee and other expenses)
8.	<b>Start of submission of application</b>	15.02.2022 (Through <b>online</b> mode only)	10.02.2022 (Through <b>offline</b> mode only) Application Form included in the enclosed Admission Brochure
9.	<b>Last date for submission of application</b>	22.03.2022	30.06.2022
10.	<b>Last Date for submission of hard copy of Application</b>	29.03.2022	30.06.2022
11.	<b>Interview Schedule</b>	12 & 13 <sup>th</sup> May 2022	NA
12.	<b>Reference link for details of admission</b>	<a href="http://www.iisc.ac.in/admissions">http://www.iisc.ac.in/admissions</a>	Details given in Admission Brochure
13.	<b>Eligibility of this Expenditure and reimbursement under DRIP Phase-II</b>	Dam Safety Institutional Strengthening, second component of DRIP Phase-II	
14.	<b>Contact details for any queries in this matter</b>	1. Dr. V. V. Srinivas, Professor, Department of Civil Engineering, Associate Faculty, Interdisciplinary Center for Water Research (ICWaR), Indian Institute of Science (IISc) Phone: +91 80 2293 2641 (Off)	1. Prof. N. K. Goel Coordinator, M Tech. Programme on Dam Safety and Rehabilitation, Department of Hydrology, IIT Roorkee, Roorkee - 247667; Mobile: +91-9412393851; Office: +91-1332-285814

		<p>Fax: +91 80 2360 0404; +91 80 2360 0290 E-mail: vvs@iisc.ac.in, vvsrinivas@gmail.com</p> <p>2. Sh. Yogesh N. Bhise Deputy Director, CPMU-DRIP, Central Water Commission, R. K. Puram. New Delhi. Mobile: 8454040184 Ph: 011- 2958 3453 Email: dd4-drip-cwc@gov.in</p>	<p>E-mail: <a href="mailto:coordinator.dsr@iitr.ac.in">coordinator.dsr@iitr.ac.in</a>; <a href="mailto:nkgoel@hy.iitr.ac.in">nkgoel@hy.iitr.ac.in</a>; <a href="mailto:goelhy@gmail.com">goelhy@gmail.com</a>;</p> <p>2. Sh. Yogesh N. Bhise Deputy Director, CPMU-DRIP, Central Water Commission, R. K. Puram. New Delhi. Mobile: 8454040184 Off: 011- 2958 3453 Email: dd4-drip-cwc@gov.in</p>
--	--	--	--

9/5/16

सं- ५९/आ (प्रशि)

२३/०२/२०२२

# ADMISSION BROCHURE 2022-23

M.TECH.  
DAM SAFETY AND  
REHABILITATION



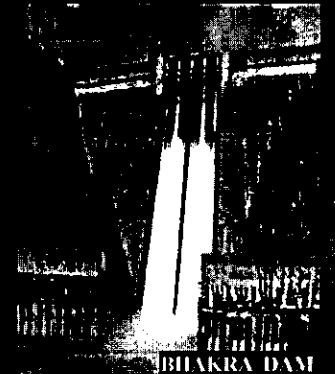
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE- 247667 (INDIA)

TEHRİ DAM



TEHRİ DAM



BHAKRA DAM



HIRAKUD DAM



TUNGBHADRA DAM



SARDAR SAROVAR DAM

## Background of the Course

India has 5334 large dams in operation, and about 411 large dams are under construction. There are more than 90,000 small and medium dams in the country in addition to the large dams. These dams have been built to ensure water safety, essential for its food and energy security. In addition to this, there are numerous dams all over the world. IIT Roorkee plays a significant role in designing and executing these dams since its inception in 1847.

The safety of these dams is of utmost importance. Many of the existing dams are very old and need rehabilitation. Keeping these concerns in view, the Ministry of Water Resources, River Development & Ganga Rejuvenation through the Central Water Commission initiated the DRIP project in April 2012 with World Bank's assistance. IIT Roorkee is the academic partner in this Programme. To cover more dams in the project, phase II and phase III of the DRIP programme have been approved by the Ministry of Jal Shakti, Government of India, on October 29, 2020. The dam safety bill 2021 has been enacted on December 14, 2021 and it makes it mandatory for the dam owners to ensure the safety of their dams.

Keeping in view the importance of dam safety and rehabilitation, IIT Roorkee started a new M Tech. Programme in dam safety and rehabilitation with effect from session 2021–22. The second batch of the programme will be starting with effect from July 22, 2022. The Programme is jointly run by the Departments of Hydrology, Civil Engineering, Earthquake Engineering, Water Resources Development and Management and faculty members drawn from other Departments of the Institute like Architecture and Planning, Earth Sciences and Mechanical and Industrial engineering at the Department of Hydrology, IIT Roorkee.

## About the Institute

Indian Institute of Technology Roorkee has its roots in the Roorkee College, established in 1847 as the first engineering college in India, 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 the University of Roorkee on November 25, 1949, as the first Engineering University of independent India. On September 21, 2001, the University was converted into an IIT by the Government of India. It has now 21 academic departments/centres offering various courses like 12 undergraduate courses in engineering and architecture, 3 dual degree programmes and about 48 postgraduate courses in engineering, architecture, sciences, computer applications and business administration besides research programmes at the doctoral level.



IIT Roorkee has a highly qualified and motivated faculty of about 465 members engaged in research and consultancy, and teaching. The faculty members offer their expertise through consultancy services to private/public sector and government agencies. Currently, the Institute has around 8700 students, with approximately 50% as undergraduate students, 20% as postgraduate students and 30% as research scholars.

Several academic and research centres of the Institute are engaged in interdisciplinary research, and many collaborative programmes exist with institutions in India and abroad. Central Library has more than 4,00,000 volumes of books and periodicals. Institute Computer Centre, Education Technology Cell with full-fledged television studio, Continuing Education Centre, and Institute Instrumentation Centre with highly sophisticated instruments also serve the Institute community's needs as central facilities.

IIT Roorkee is entirely residential, with well-designed hostels (Bhawans) both for boys and girls, and family accommodation for married students, sprawling sports ground, a swimming pool, a boat club, and a host of students' clubs with facilities for different games, including tennis, squash, and billiards etc. The Institute offers various extra-curricular activities like NCC, rowing, mountaineering, and trekking, which provide excellent opportunities for self-development. The campus also houses a CBSE affiliated senior secondary school.

The Programme is open for the sponsored officers from India and abroad having 2-years relevant experience in Dam safety, rehabilitation and other associated areas and Gate qualified fresh engineering graduates having valid GATE score.

1. Graduation/ Post Graduation degree in Civil/ Mechanical/ Earthquake/ Hydrology/ Water Resources Engineering/ equivalent,
2. Post-graduation degree in Physics/ Mathematics/ Geology/ Geophysics; Environmental Engineering/ equivalent,
3. Any other degree acceptable to the State Implementing agencies for regular appointment in the dam safety wings.

\*The candidates applying for admission must have at least 60% aggregate marks or 6.00 CGPA on a 10-point scale at qualifying Graduation/ Post Graduation degree. For Indian candidates belonging to SC/ST category, the qualifying percentage is 55% aggregate marks or 5.5 CGPA on a 10-point scale. SC/ST category candidates must submit the requisite certificate along with the application from a competent authority.

1. B.E./ B. Tech degree in Civil Engineering/ equivalent with valid GATE score.

1. In service engineers/ officers should send their application through their Departments at the following address:

**Prof. N.K. Goel,**

Coordinator, M Tech. course on Dam Safety and Rehabilitation,  
IIT Roorkee, Roorkee -247667.

[coordinator.ds@iitr.ac.in](mailto:coordinator.ds@iitr.ac.in); [goelhy@gmail.com](mailto:goelhy@gmail.com);

Mobile: +91-9412393851; (*Preferably leave WhatsApp message/ SMS before calling*)

Office: +91-1332-285814 (*Preferable number between 9 am to 8 pm on working days*)

2. The advanced applications may be sent to the [coordinator.ds@iitr.ac.in](mailto:coordinator.ds@iitr.ac.in) for checking the eligibility for admission.
3. A copy of the application should be sent to CPMU of CWC also at [dir-drip-cwc@nic.in](mailto:dir-drip-cwc@nic.in).
4. The candidates applying for admission must have at least 60% aggregate marks or 6.00 CGPA on a 10-point scale at the qualifying degree level. For Indian candidates belonging to SC/ST category, the qualifying percentage is 55% aggregate marks or 5.5 CGPA on a 10- point scale. SC/ST category candidates must submit the requisite certificate along with the application from a competent authority.
5. The officers should not bring their family in the beginning. The family should be brought only after getting the family accommodation by IIT Roorkee. Otherwise, the officers should make their own arrangements for family accommodation outside the IIT R campus.
6. GATE qualified fresh engineers should apply through the PG admission portal of IIT Roorkee. This form is primarily for the sponsored officers working in dam safety and rehabilitation and associated fields in India and abroad.

22 for sponsored officers and 8 for GATE qualified fresh graduates. 5 seats are reserved for foreign in-service engineers engaged in dam safety activities.

The Programme is jointly delivered by the IIT Roorkee faculty members drawn from the Departments of Hydrology, Civil Engineering, Earthquake Engineering, WRDM, Architecture and Planning, and the National and International experts.

International candidates sponsored by various agencies/organisations must pay the Institute fee at the following rates:

1. Candidates from SAARC countries — US\$ 2000 (per annum)
2. Candidates from other countries — US\$ 4000 (per annum)
3. Admission fee – US\$ 500 (one time at the time of admission)

The International officers should ensure their funding source at their end and send the application only through the sponsoring agency.

Approximate annual expenses under different heads are indicated in the table below. The total fee of **Rs 1,47 000** mentioned in **Part A**, is required to be paid in four instalments at the beginning of the semester by the candidates who are selected and admitted to the course. Provisions may be made to either pay this amount in advance to the officers being deputed or reimburse the amounts to them on receipt of the Institute fee receipt. It may be noted that the other expenses mentioned in Part B of the Table will also be borne by the students/ sponsored officers. The sponsoring agency may sanction/reimburse hostel fee and other costs directly to the candidates.

Expenditure for M. Tech. Programme of 2 years in Indian Rupees	
Part A: To be paid to the Institute in advance	
Institute Fee	1,25,000
Institute caution deposit	1,000
Library deposit	2,000
Miscellaneous onetime payments	5,000
Mess admission fee (one time)	4,000
Others	10,000
<b>Total</b>	<b>1,47,000</b>
Part B: To be paid to the candidates directly	
Hostel Fees	As per actual
Other expenses like field trips, books, lecture notes	As per actuals

## Notes:

1. The Institute fee is tentative as per 2021-22 batch. For the 2022-23 batch, it may be slightly different. The same shall be communicated as soon as the same is decided by IIT Roorkee.
2. The library deposit shall be transferred to the Alumni fund on the completion of the Programme.
3. The Institute fees can be paid in two instalments of **Rs 84,500** and **Rs 62500** also at the time of admission and the third-semester registration.
4. Other expenses like field Trip, Books, Lecture notes etc., shall be as per actuals.
5. The Institute fee may vary as per the Institute policy, and in case of change, the revised fee will be payable.
6. The sponsoring organisations shall also bear the expenses related to the sponsored officers' salary, travel expenses related to the course, dearness allowance for the days of absence from the headquarters of the sponsoring organisations as per Gol rules. Such costs will be directly payable to the candidates, and the officers shall be treated on duty during the Programme.

## List of Courses:

Course	Semester
1. Basics of Disaster Management and its Implementation Concepts	First
2. Hydrologic Safety Evaluation of dams	First
3. Programme Elective Course -I	First
4. Programme Elective Course -II	First
5. Sediment Management in Reservoirs	Second
6. Dam Safety Surveillance, Instrumentation and Monitoring	Second
7. Seminar	Second
8. Programme Elective Course -III	Second
9. Programme Elective Course -IV	Second
10. Programme Elective Course -V	Second
11. Dissertation Stage-I (to be continued next semester)	Third
Dissertation Stage-II (contd. From the third semester)	Fourth

## List of Programme Electives:

1. Assessing and Managing Risks Associated with Dams
2. Seepage through Dams
3. Assessment and Management of Environmental issues in Reservoirs
4. Earthquake Geotechnical Engineering
5. Study tour/ Case studies
6. Geo-Mechanics
7. Geospatial Technology for Monitoring of Dams
8. Hydraulic and structural design of dams, spillways, and energy Dissipators
9. Ground Improvement and Geo-synthetics
10. Contract and Financial Management
11. Sustainable Tourism around Dams
12. Earth Retaining Structures and Dams (Concrete, RCC, CFRD, Arch, Earth, Rockfill dams & Barrages)
13. Seismic Safety of Embankment Dams
14. Concepts of Planning & Design of Hydro-Mechanical Components in Dams
15. Engineering Seismology and Hazard Assessment for dams

## APPLICATION FORM

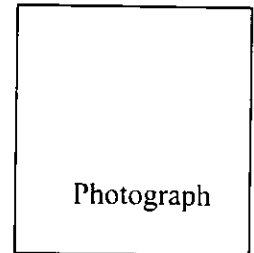
### M. TECH. PROGRAMME ON DAM SAFETY AND REHABILITATION INTERNATIONAL CENTRE FOR DAMS

**2<sup>nd</sup> Course: July 22, 2022, to July 21, 2024**

*(IMPORTANT: Applicant may please ensure that he/she satisfies the necessary eligibility criteria)*

An advance copy of the completed application and academic transcripts (in English) be directly sent to **Prof. N.K. Goel, Coordinator, M. Tech. Programme on Dam Safety and Rehabilitation, International Centre for Dams, Department of Hydrology, Indian Institute of Technology Roorkee, Roorkee- 247667, India (email IDs: [coordinator.dsr@iitr.ac.in](mailto:coordinator.dsr@iitr.ac.in); [goelhy@gmail.com](mailto:goelhy@gmail.com))** on or before **June 15, 2022**.

1. Full Name: .....  
in block letters (underline surname)
2. Father's Name .....
3. Mother' Name .....
4. Gender (Male/ Female) .....
5. Nationality: .....  
(any change in nationality may be indicated with the period)
6. Date and Place of birth: .....
7. Parentage (your country of origin): .....
8. Passport details (for foreign candidates only)  
Passport number: ..... Place of Issue: .....  
Date of Issue: ..... Date Validity: .....
9. Present address (correspondence address):  
House No. /Flat No and street:  
City/Town with Pin Code:  
State and Country:  
Mobile no with country code:  
Email:
10. Emergency address:  
House No. /Flat No and street:  
City/Town with Pin Code:  
State and Country:  
Mobile No with Country Code:  
Email:



11. Official Address:

House No. /Flat No and street:  
City/Town with Pin Code:  
State and Country:  
Mobile No with Country Code:  
Email:

12. Dates and place of the previous stay in India *(for International Applicants Only)*:  
.....

13. Occupation: .....

14. Expected duration of stay: .....

15. Places to be visited: .....

16. Name of Indian Mission where visa will be applied *(for International Applicants only)*

Name of City and Country:

Phone No.:

Email:

17. Source of funding: .....

18. Whether accompanied by spouse/ dependent. If so, give particulars:

Name:

Passport number:

Place of Issue:

Date of Issue:

Date Validity:

*(Family to be brought only after ensuring the permission and accommodation availability)*

19. Qualifying Degree: .....

20. Mathematics at Graduation Level (Yes/No): .....

21. Qualifications (highest Degree first): *(Attach photocopies of mark sheets & certificates)*

College/Institute Name & address	Degree or Examination passed	Year of Passing	Division with % of marks secured	Minimum duration of the Degree	Main Subject(s)

Note: 1. The percentage in the qualifying should necessarily be given.

2. Certificate of equivalence should be given if the name of the Degree is not the same as per essential Qualifications mentioned.

3. Duration of the qualifying degree after 10+2 education after preschool should be necessarily mentioned

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

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

23. Knowledge of the English language (read/write/speak): .....  
*(Certificate for the level of proficiency attained be submitted)*

24. Appeared in GRE or equivalent Examination (if yes, give details): .....

Place: .....

Date: .....

Signature of Applicant

**SPONSORED/ NO OBJECTION CERTIFICATE**

The undersigned is pleased to permit Mr./Ms. .... who is working in this organization for the last.....years (from ..... to .....) and is presently holding the rank/position of ..... for pursuing the M. Tech. in Dam Safety and Rehabilitation at IIT Roorkee.

His/her conduct and character has been good.

The Institution/Organization would relieve her/him immediately of joining the above Programme if selected for admission. If admitted, the candidate will be permitted to be present at the Institute as required by the M Tech's academic schedule. He/ she will continue to remain in service of this organization for the duration of the course.

IIT Roorkee's Necessary fees shall be payable by the sponsoring organisation to IIT Roorkee directly or through the officer. The necessary allowances shall be directly paid to the officer as per rules.

Signature of Head of the  
 Institute/Organization with seal

Place: .....

Date: .....

Name: .....

Designation: .....