



**Short-Term course
On**

**River Basin Management:
Theory and Practice**

28th Nov - 02nd Dec, 2024

Patron

Prof. K. Umamaheshwar Rao

Chairman

Prof. S. P. Singh

Course Coordinators

Dr. Minakshee Mahananda

Dr. Anurag Sharma

Prof. K. K. Khatua

Organized by

**Department of Civil Engineering
National Institute of Technology
Rourkela Odisha, India (769008)**

Sponsored by

**Science and Engineering Research
Board (SERB)**

IMPORTANT DATES

Last Date of Registration	31 st Oct 2024
Confirmation to Participants by E-mail	5 th Nov 2024
Commencement of Course	28 th Nov 2024

BRIEF PROGRAM OUTLINE

- Day 1** Fundamentals of River Hydrodynamics
- Day 2** Basics of Sediment Transport & River Morphology
- Day 3** Advanced River Morphodynamics
- Day 4** Introduction to Hydraulic Modelling
- Day 5** Applied River Basin Management & Case Studies

CONTACT INFORMATION

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REGISTRATION FEES

For all P.G./Ph.D. Scholars, Faculty Members, and Industry Professionals

Online participation fee Rs. 1000

Offline participation fee Rs. 8000

The registration fee includes GST

REGISTRATION PROCESS

For registration, the participants need to fill the Google form with necessary details. After successful payment of registration fees, the participants need to provide the transaction details in Google form by scanning the QR code <https://forms.gle/YAJoreTpAWpBzp237>



Bank Account Details for Registration

Account Name CONTINUING EDUCATION
NIT ROURKELA

Account No. 10138951784

Branch NIT Campus Rourkela

IFS Code SBIN0002109

ABOUT THE COURSE

The short-term course on **River Basin Management: Theory and Practice** offers a comprehensive study of key topics in river engineering, led by experts from academia and industry. Participants will explore **River Hydraulics**, focusing on flow dynamics in river systems, and **River Basin Management**, emphasizing sustainable water resource strategies. The course covers **Sediment Transport** and **River Morphology**, addressing sediment movement and channel evolution, along with **River Morphodynamics**, which examines sediment-river interactions. The **Hydraulic Modelling** module offers practical tools for analyzing and predicting river behavior. By course end, participants will have the skills to model and manage river systems effectively.

PARTICIPANTS

This short term course is open to all individuals in the civil engineering or related fields including Final Year B.Tech, M.Tech students, Ph.D. Scholars, industry professionals and faculty members from academia and research institutions.



SPEAKERS

Dr. Kazi Iqbal Hassan
Team Leader
FREMAA, Govt of Assam



Dr. Sanjay Giri
Senior Experts
Royal Haskoning DHV,
The Netherlands

Prof. K. K. Khatua
Professor
NIT Rourkela



Dr. Mohit Mohanty
Assistant Professor
IIT Roorkee

Dr. Manish Pandey
Assistant Professor
IIT Kharagpur



Dr. Gaurav Misuriya
Assistant Professor
NIT Calicut

Dr. Vijit Rathore
Associate Engineer
AtkinsRéalis



Shubham Shaurabh
Scientist C
National Institute of Hydrology Patna

NATIONAL INSTITUTE OF TECHNOLOGY

ROURKELA



National Institute of Rourkela is one of the premier national level institution for technical education in the country and is funded by the Government of India. NIT Rourkela has a rich legacy of more than sixty dedicated years of service to the nation and is the pride of Odisha. The main objective of the Institute is to produce quality Engineers and Scientists in Graduate and Post-Graduate levels in various branches of Engineering and Science. Excellence in teaching and high-quality research are the pillars on which the Institute is built.

DEPARTMENT OF CIVIL ENGINEERING

The department of Civil Engineering has been functioning as a full-fledged department since the inception of the institute. Presently, it is not only catering education of undergraduate and post-graduate students but also for pursuing research and development activities through research scholars. The department is actively involved with several research and consultancy projects.