



**Webinar on Monitoring System
and Instrumentation in
Hydraulic Structures (Dam)**

8th July, 2025

Patron

Prof. K. Umamaheshwar Rao

Chairman

Prof. S. P. Singh

Convenors

Dr. Anurag Sharma

Dr. Minakshee Mahananda

Sponsored by

Bureau of Indian Standards (BIS)

Organized by

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

IMPORTANT DATES

Last Date of Registration	7 th July 2025
Confirmation to Participants by E-mail	7 th July 2025
Webinar Date	8 th July, 2025

REGISTRATION FEES

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

Participation fee Rs. 300
(Students)

Participation fee Rs. 500
(Professionals)

The registration fee includes GST

CONTACT INFORMATION

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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/8CYgaZi8qt2Nouwh6>



Bank Account Details for Registration

Account Name	Conference, NIT Rourkela
Account No.	36734418111
Branch	NIT Campus Rourkela
IFS Code	SBIN0002109
UPI ID	2804180418@sbi



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.

HIGHLIGHTS

- Introduction to dam safety monitoring and instrumentation
- Overview of critical parameters
- Interpretation and analysis of monitoring data
- IS code provisions and guidelines for instrumentation
- Case studies from major dam projects in India
- Expert talks and interactive Q&A sessions
- E-certificate for all registered participants

RESOURCE PERSONS

Prof. Nayan Sharma	Professor of Excellence, Gauhati University
Shri S. Dhar	Chief General Manager (Tech.), NEEPCO Ltd.
Er. Jyotirmaya Behera	Superintending Engineer, Additional Spillway Division, Burla, Sambalpur, Odisha
Prof. Zulfequar Ahmad	Professor, Department of Civil Engineering, IIT Roorkee

ABOUT THE WEBINAR

This one-day webinar is aimed at equipping researchers, engineers, and students with practical knowledge and skills in the field of monitoring systems and instrumentation used in hydraulic structures, especially dams. Emphasizing both theoretical frameworks and field-applicable techniques, the webinar will delve into state-of-the-art monitoring technologies, instrumentation strategies, and real-world implementation for ensuring dam safety and operational efficiency.

TARGET AUDIENCE

- ✓ M.Tech and PhD Scholars (Water Resources, Hydraulics, Environmental Engineering)
- ✓ Faculty members and researchers
- ✓ Industry professionals and consultants
- ✓ Engineers from government & private sectors involved in monitoring and instrumentation of hydraulic structures