



National Institute of Technology

Rourkela



**Short-Term course
On**

**Emerging Trends in Numerical and
Experimental Techniques in
Structural Engineering
(ETNETSE 2025)
(Hybrid mode)**

15th - 19th January, 2025

Patron

Prof. K. Umamaheshwar Rao

Chairman

Prof. Suresh Prasad Singh

Course Coordinator

Dr. Shyamal Guchhait

Course Co-coordinators

Dr. Subhajit Mondal

Dr. Bibekananda Mandal

Organized by

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

IMPORTANT DATES

Last Date of Registration	26 th Dec 2024
Confirmation to Participants by E-mail	7 th Jan 2025
Commencement of Course	15 th Jan 2025

CONTACT INFORMATION

DR. SHYAMAL GUCHHAIT

Mobile: 91-9163770824

E-mail: guchhais@nitrkl.ac.in

DR. SUBHAJIT MONDAL

Mobile: 8116205595

E-mail: mondalsubhajit@nitrkl.ac.in

DR. BIBEKANANDA MANDAL

Mobile: 9761640686

E-mail: mandalb@nitrkl.ac.in

PARTICIPANTS

This short term course is open to all individuals in the Structural Engineering or related fields including UG/PG/Ph.D. Scholars, industry professionals and faculty members from academia and research institutes/universities.

REGISTRATION FEES

For all U.G./ 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.



Bank Account Details for Registration

Account Name CONTINUING EDUCATION
NIT ROURKELA

Account No. 10138951784

Branch NIT Campus Rourkela

IFS Code SBIN0002109

ABOUT THE COURSE

Civil engineering structures are modernizing rapidly because of new materials and technologies. Smart materials, green buildings, and artificial intelligence are becoming common in this field. These structures must support various loads like wind loads, earthquake loads, blast or impact loads, wave loads, etc. They also face damage from environmental degradation over time.

This program will teach participants about the nitty-gritty of civil engineering structures. They will learn about numerical modelling techniques, experimental procedures for material characterization, innovative design and health monitoring of structures. A key focus will be on how structures respond to earthquakes, impact, blasts and wave loads, which is important for designing safe structures.

The program is designed for researchers and students at the PhD, postgraduate, and undergraduate levels. It will be especially useful for those studying structural material, design and monitoring. Participants will also learn about the latest research and technological advances in structural engineering. By combining fundamental knowledge with new technologies, this program will help attendees address current challenges in structural engineering and contribute to developing safe and sustainable structures.



SPEAKERS



Dr. Punnet Kumar Patra
Associate Professor
IIT, Kharagpur



Dr. Ritwik Ghosal
Assistant Professor
IIT, Kharagpur



Dr. Md. R. Ibne Islam
Assistant Professor
IIT, Delhi



Dr. Subhajit Mondal
Assistant Professor
NIT, Rourkela



Dr. Shyamal Guchhait
Assistant Professor
NIT, Rourkela

Prof. Pradip Sarkar
Professor
NIT, Rourkela



Dr. Sukanta Chakroborty
Associate Professor
IIT-ISM, Dhanbad



Dr. Saikat Sarkar
Assistant Professor
IIT, Delhi



Dr. Rajesh Kumar
Assistant Professor
BITS, Pilani



Dr. Bibekananda Mandal
Assistant Professor
NIT, Rourkela



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.