



IMPORTANT DATES

Last Date of Registration	10 th July 2024
Confirmation to Participants by E-mail	12 th July 2024
Commencement of Course	15 th July 2024

BRIEF PROGRAM OUTLINE

Day one	Fundamentals of Geosynthetics
Day two	Geosynthetic Reinforced Walls and Embankments
Day three	Geosynthetics for Reinforced Soil Slopes
Day four	Geosynthetics in Waste Management System
Day five	Geosynthetics for Pavement Designs

CONTACT INFORMATION

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REGISTRATION FEES

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

Online participation fee	Rs. 1500
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

National Institute of Technology
Rourkela



Short-Term course
On

**Geosynthetics in Geotechnics:
Theory and Practice**

15th - 19th July, 2024

Course Coordinators

Dr. Suman Roy
Dr. Adyasha Swayamsiddha Amanta

Organized by

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

ABOUT THE COURSE

The short-term course on Geosynthetics in Geotechnics provides an in-depth understanding of geosynthetics and their applications in geotechnical engineering. Participants will explore the **Fundamentals of Geosynthetics**, including types such as geotextiles and geomembranes, and their functions in separation, filtration, drainage, reinforcement, and containment. The course covers **Geosynthetic Reinforced Walls and Embankments**, design, construction, and case studies of reinforced structures. It also addresses **Geosynthetics for Reinforced Soil Slopes**, focusing on slope stabilization and erosion control. In **Geosynthetics in Waste Management Systems**, participants will learn about applications in landfills and containment systems for environmental protection. Finally, the module on **Geosynthetics for Pavement Designs** will demonstrate how geosynthetics improve pavement performance and durability. Through lectures, and case studies, the course equips participants with the skills to effectively use geosynthetics in various geotechnical projects.



SPEAKERS

Prof. Suresh Prasad Singh
Professor
NIT Rourkela



Dr. Vinil Kumar Gade
Assistant Professor
NIT Jalandhar

Dr. Raghuram Ammavajjala
Assistant Professor
BITS Hyderabad



Dr. Swaraj Chowdhury
Assistant Professor
NIT Hamirpur

Dr. Sreyashrao Surapreddi
Assistant Professor
VJTI Mumbai



Dr. Sayantan Chakraborty
Assistant Professor
BITS Pilani

PARTICIPANTS

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

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.