

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI

The National Institute of Technology (NIT) Tiruchirappalli, formerly known as Regional Engineering College, was established in 1964 as a joint initiative of the Government of India and the Government of Tamil Nadu to meet the country's growing demand for skilled professionals in technology. Located in the heart of Tamil Nadu along the banks of the Cauvery River, the institute offers undergraduate programs in ten branches and postgraduate programs across twenty-six disciplines in Science, Engineering, Technology, Management, and Architecture. Additionally, it provides M.S. (by Research) and Ph.D. programs in all departments.

HOW TO REACH NITT?

NIT Tiruchirappalli is situated on the Tiruchirappalli-Tanjore Highway (NH-67), approximately 23 km from Trichy Railway Station. Visitors can reach the campus by taking Bus No. 128 or any Tanjore-bound bus from the Central Bus Stand (CBS). Additionally, town buses from the Chatram City Bus Stand provide convenient access to the institute.

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering, established in 1964, is one of the institute's oldest and most esteemed departments. Committed to infrastructure development with a societal focus, it offers a B.Tech. in Civil Engineering and five specialized M.Tech. programs in Transportation Engineering and Management, Structural Engineering, Environmental Engineering, Construction Technology and Management, and Geotechnical Engineering. Additionally, the department provides opportunities for advanced research through its Ph.D. programs, available in both full-time and part-time modes.

CETransE

The Centre of Excellence in Transportation Engineering (CETransE) at NIT Tiruchirappalli was established in 2013 under the Government of India's initiative to create 50 Centers of Excellence in Science and Technology. Dedicated to sustainable transportation, CETransE aims to shape skilled engineers, support national and state agencies, drive industry-focused R&D, and offer continuing education. Its key research areas include Transportation Planning, Intelligent Transportation Systems, and Pavement Engineering.

WORKSHOP ON COIR GEOTEXTILE REINFORCED LOW VOLUME RURAL ROADS

05th March 2025



Coordinators:
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Dr. Samson Mathew



Sponsored by
Coir Board, Ministry of MSME,
Govt. of India

Organized by
Department of Civil Engineering
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Tiruchirappalli 620 015

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INTRODUCTION

With the increasing demand for sustainable and long-lasting road infrastructure in India, this workshop aims to provide participants with comprehensive insights into the design, construction, maintenance, and management of coir-reinforced rural road pavements. It will cover key aspects such as material characterization, structural design, and performance evaluation of coir geotextile reinforced roads. Additionally, the Department of Civil Engineering at NIT Tiruchirappalli will share findings from its successful collaborative project with the Coir Board on Evaluation of Pavement Performance of Coir Geotextile Reinforced Roads in Tamil Nadu.

TARGET AUDIENCE

The workshop is intended for Highway/ Corporation/ Municipality/ Rural Road Engineers, Practicing Engineers, Road Contractors, Scientists from Research Institutes, Faculty, Research Scholars, Post Graduate Students, etc.

OBJECTIVES OF THE PROGRAMME

At the end of the workshop the participants will be able to gain knowledge on:

- Coir and Coir Geotextiles: Production and their Characterization
- Application of Coir-Geotextiles in Pavement and Embankment Construction
- Design of Low Volume Rural Roads as per IRC using Coir Geotextiles
- Pavement Performance of Coir Geotextile Reinforced Rural Roads

COURSE CONTENT

- Green Technology Initiatives in Road Construction
- Coir and Coir Geotextiles
- Pavement Composition and Functions
- Properties and Selection of Coir Geotextiles and Quality Control
- Construction Aspects of Coir Geotextile Reinforced Pavements
- Performance Evaluation of Coir Geotextile Reinforced Pavements
- Design of Coir Geotextile Reinforced Pavements
- Coir Geotextile for Rain Water Erosion Control and Slope Protection in Embankments

REGISTRATION

- Registration is free for all the participants
- Number of participants is limited to 100
- Participants will be selected on a first-come, first-served basis, with preference given to those closely associated with the workshop topic
- Lunch and refreshments will be served to the participants during the event
- Participants will receive a certificate of participation on attending the session
- Last date of registration is **3rd March 2025**
- For registration, Click on the Link <https://forms.gle/B9vBN7h3zeygodpg6> or Scan the QR Code Below



ADDRESS FOR CORRESPONDENCE

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