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## Jointly Organized By

**Department of Civil Engineering  
&  
Department of Mechanical  
Engineering**

**North Eastern Regional Institute of  
Science & Technology  
(Deemed to be university)  
Nirjuli-791109, Arunachal Pradesh,  
India**

## About Institute

The North Eastern Regional Institute of Science and Technology (NERIST) is a unique Institute of its own kind in the country, having unconventional and innovative academic programmes. It is an autonomous institute under MHRD, Govt. of India. It was established in 1983 to produce technical manpower at various levels and to meet the technical requirements for the all-round development of the North Eastern States. NERIST got the status of deemed to be university on 31st May 2005 under section 3 of the UGC Act 1956. It offers modular pattern of education in all disciplines of Engineering along with Forestry as an applied science discipline from 10th standard to degree levels. It also offers various postgraduate (M.Tech, MBA and MSc) and doctoral programmes in all branches of engineering, applied science, physics, chemistry, mathematics, humanities and management.

## About Department

The Department of Civil Engineering came into existence as a part of the Institute since its inception in 1985. Over the years the Department has developed and is recognized as one of the major engineering departments in the north-eastern region of the country. The main objectives of the Department are to develop high quality technical manpower at Certificate, Diploma, and B.Tech. After B. Tech students can join postgraduate programmes (M.Tech in Environmental Science and Engineering (ESE) and Geo-Technical Engineering (GTE)) and Ph.D. The B. Tech. programme is accredited by National Board of Accreditation (NBA). The laboratories of the department are well equipped to meet the requirements of undergraduate as well as postgraduate courses and PhD research.

## Short Term Training Programme (STTP)

On

**“Innovative Approaches to Road Safety and  
Material Engineering”**

**16 – 20 February 2026**



## Coordinator

**Dr. N. G. Sorum**  
Associate Professor  
Department of Civil Engineering

**Co-Coordinator**  
**Dr. S.K. Tamang**  
Assistant Professor  
Department of Mechanical Engineering

**Registration link:**

**<https://forms.office.com/r/Kr6CmASm2s>**

**Contact No: 8413886061/9615723864**

## About the FDP

Road safety involves strategies and measures to prevent accidents, injuries, and fatalities, combining engineering, education, enforcement, and environmental factors to reduce risks for all road users. Key elements include improved road designs, traffic management, safe driving promotion, vehicle safety, and law enforcement. Road material engineering focuses on the selection and application of materials like asphalt, concrete, and aggregates in road construction to ensure durability, safety, and sustainability. **This Short Term Training Programme (STTP) on “Innovative Approaches to Road Safety and Material Engineering”** aims to provide participants (faculty, researchers, and industry professionals) with cutting-edge knowledge in road safety and material engineering, addressing the need for interdisciplinary approaches to safer, sustainable infrastructure.

Participants will gain insights into advancements in road safety technologies, material innovations, and sustainable practices, with a focus on how materials like impact-resistant and eco-friendly solutions can improve road networks. Hands-on sessions will offer practical exposure to lab tests on road materials and safety modeling tools. Faculty will also be trained in modern teaching methods, including digital tools and project-based learning, while fostering collaboration in research and industry partnerships.

Through this STTP, faculty members will be empowered to lead the next generation of engineers in addressing global road safety and road material engineering challenges, while contributing to the development of resilient and sustainable infrastructure.

## Objective

- ❑ To provide a forum where the participants can explore theoretical & practical application and development about the latest advancements in road safety systems, technologies, and policies.
- ❑ This STTP deepens the understanding of road material engineering principles, especially those that contribute to road safety.
- ❑ To explore how material engineering can contribute to the development of sustainable, eco-friendly solutions in road pavement.
- ❑ This STTP focuses on the latest tools, techniques, and software used in material testing, simulation, and road safety analysis (e.g., AI, machine learning, advanced modeling techniques).

The STTP aims to bring together faculty members and research scholars from different engineering and industrial fields to establish new collaborations and research to explore both sides of challenges and opportunities in the respective fields.

## Course Content

- ✓ Introduction to Road Safety
- ✓ Innovative Approaches to Road Safety
- ✓ Innovative Materials for Road Construction
- ✓ Impact of Material Properties on Road Safety
- ✓ Testing and Evaluation of Road Materials for Durability and Safety
- ✓ Advanced Engineering Materials and its research scopes

## Speakers

The resource persons for the programme shall include faculty members of IITs, NITs, CFTIs, Central university, NERIST (the host institute) and professionals from industries.

## Eligibility Criteria

Faculty members and research scholars from AICTE approved Engineering and polytechnic Institutes and Industrial persons are eligible to participate. Participants are required to fill online registration form. Details given in registration process  
***Maximum 50 participants will be selected based on first cum first basis.***

## Registration Process

Participants interested to attend this programme need to submit a compulsory online registration google form on the below mentioned link:

<https://forms.office.com/r/Kr6CmASm2s>

Those who have attendance of 80% or more and also score more than 60% in the online test will be issued a digital certificate.

Date of Event : **16 – 20 February 2026**

Registration Closed: **13<sup>th</sup> February 2026**

Selection/intimation to the participant

(Through Email only): **14<sup>th</sup> February 2026**

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