



National Seminar

on

**" Lightning Risk Prevention and Mitigation
for a Resilient India"**

27 February, 2025

(LRPMR2025)

(Online Mode)

Organised by

**Department of Technical Education and Management
National Technical Teacher's Training and Research (NITTTR), Kolkata –
700106 <http://www.nitttrkol.ac.in>**

About the Seminar

"Building a Resilient India: Strategies for Lightning Risk Prevention and Mitigation" theme emphasizes reducing lightning risks through scientific understanding, advanced technologies, policy frameworks, and community-driven solutions. It focuses on safeguarding lives, minimizing infrastructure damage, and fostering resilience to lightning-related hazards in India.:

Areas to be Covered

1.Science and Impacts of Lightning:

Lightning formation, trends, and climate change impacts;
Effects on lives, infrastructure, and economy.

2.India's Vulnerabilities to Lightning:

High-risk regions and populations; Sectoral impacts on agriculture, energy, and infrastructure.

3.Preventive Measures and Resilient Infrastructure:

Lightning protection systems and safe shelters; Integrating safety into urban and rural planning.

4.Technology and Early Warning Systems:

Tools like the **Damini App** and AI-driven detection; Real-time alerts for risk reduction.

5.Policy and Governance:

Government initiatives and disaster management policies.;
Strengthening legal frameworks for safety compliance.

6.Community Preparedness:

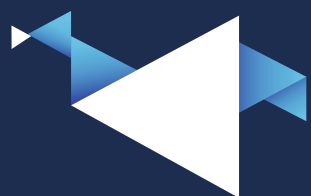
Awareness campaigns and grassroots safety protocols.;Empowering local governments and NGOs.

7.Emergency Response and Capacity Building:

Training for disaster response teams and recovery actions;
Building institutional capacity for risk mitigation.

8.Collaboration for Resilience:

Partnerships across sectors for knowledge sharing; Unified national strategies for lightning risk prevention.





Key Features of the Seminar:

► Comprehensive Coverage:

The seminar addresses lightning science, and tailored prevention and mitigation , strategies for India.

► Interactive Format:

It combines lectures, discussions, and practical exercises for active learning

► Technology and Tools:

Focus on advanced detection systems like the Damini App and IMD forecasts for proactive risk management.

► Policy and Governance:

Overview of government initiatives, legal frameworks, and disaster management strategies to enhance resilience.

► Community Engagement:

Promotes awareness, safety protocols, and grassroots efforts for resilient communities.

► Capacity Building:



Equips stakeholders with skills for emergency response, recovery, and resilience planning.

► Sectoral Focus:

Highlights the importance of lightning-resilient infrastructure in agriculture, industry, and energy sectors.

► Knowledge Sharing:

Encourages collaboration across academia, government, and private sectors for innovative solutions.



COMMITTEE(S)



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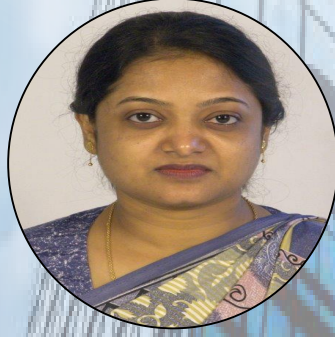
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Technical Education
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Kolkata,



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and Management NITTTR,
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About NITTTR, Kolkata


National Institute of Technical Teachers' Training and Research, Kolkata

established in 1965 by the Ministry of Education, Govt. of India, is a centrally funded autonomous institution. It provides pre- and in-service training for teachers and staff of degree and diploma-level technical institutions, focusing on quality improvement in technical education. Recognized as a "Deemed to be University" by UGC, it offers AICTE approved M.Tech programs 04 emerging technology areas..

The institute's core activities include Education and Training, Curriculum Development, Learning Resources Development, Research, and Consultancy. Its short-term training programs are AICTE-recognized for Career Advancement Scheme (CAS) benefits. NITTTR Kolkata boasts highly qualified faculty, state-of-the-art laboratories, and extension centers in Guwahati and Bhubaneswar, expanding its reach to SAARC and ASEAN countries' technical and vocational institutions.

About Department of Education and Management

The **Technical Educational and Management Department** offers specialized short-term training programs to enhance institutional performance. These programs focus on areas like institutional and quality management, environmental and disaster management, waste management, training, development, and occupational safety. Tailored through needs assessments, they cater to technical educators and professionals across sectors. The department also leads consultancy and research projects, establishing itself as a leader in promoting effective management practices in education and related fields.





Important Dates:

Starting Date of Participants Registration	26 January, 2025
Last Date of Participants Registration	24 February, 2025
Seminar Date and Time	27 February, 2025 / 10:30 AM onwards

Website: www.nitttrkol.ac.in

Email: anil@nitttr.ac.in

Venue: Virtual Mode (Online)

Registration Fee: To attend this seminar in online mode, you need to get registered within scheduled time by paying registration fee as per following

Participants	Registration Fee (Rs.)
Faculty from Universities/Institutions/Industry/Govt/Pvt Organisations/NGOs	250.00
Research Scholar	150.00
Student	100.00

***Registration Fee can be paid to the NITTTR's Account and receipt be uploaded while registering for the seminar.**

Institute Bank Account Details are:

Name of the bank: State Bank of India
Account Holder Name: NITTTR, Kolkata
Bank Account No: 00000034181726656
IFS Code: SBIN0001612

Contact Person:

Prof Anil Kumar
Convener
Dept. of Technical Education & Management, NITTTR
FC Block, Sector-III, Kolkata – 700106
Mob: +91-9007560314; Email: anil@nitttrkol.ac.in

Link for Registration:

<https://docs.google.com/forms/d/1cT8cnUVopHUYkwTQwK5TIqab7I8xU-OSrODWsVk8b58/edit>

