



विकसित भारत  
अभियान  
1947 TO 2047

# National Seminar

on

**"Building Climate Resilience: Strategies for Mitigation and Adaptation"**

**30 December, 2024**

**(BCRSMA-2024)**

**(Online Mode)**

**Organised by**

**Department of Education and Management  
National Technical Teacher's Training and Research  
(NITTTR), Kolkata**



**Department of Education & Managment  
National Institute of Technical Teachers' Training &  
Research (NITTTR), Kolkata, West Bengal 700106  
<http://www.nitttrkol.ac.in/>**

## Theme of the Seminar

The seminar titled "Building Climate Resilience: Strategies for Mitigation and Adaptation" (BCRSMA-2024) focuses on the urgent need to develop robust strategies that integrate both climate change mitigation and adaptation through the lens of resilience. In the face of increasing climate-related disruptions, building resilience into infrastructure, communities, and ecosystems is crucial for reducing vulnerability and enhancing long-term sustainability. The theme emphasizes the importance of innovative engineering solutions, policy frameworks, and interdisciplinary collaboration to effectively manage climate risks.

## Sub-Themes:

1. Resilient Infrastructure for Climate Adaptation and Mitigation
2. Climate Mitigation through Renewable Energy and Low-Carbon Technologies
3. Disaster Risk Reduction (DRR) and Resilience Building
4. Water Resource Management and Drought Resilience
5. Nature-Based Solutions for Climate Resilience
6. Community-Based Adaptation and Capacity Building
7. Resilience in Urban Systems: Building Climate-Resilient Cities
8. Policy and Governance for Climate Resilience
9. Initiatives
10. Technological Innovations in Climate Adaptation and Resilience
11. Health Systems and Climate Change Resilience
12. Climate Justice and Equity in Resilience Building

## Key Features of the Seminar:

**In-depth Focus on Resilience Engineering:** Emphasizes the importance of resilience engineering in both mitigation and adaptation strategies for climate change.

**Interdisciplinary Participation:** Involves engineers, policymakers, government officials, and academia, encouraging multi-sector collaboration for climate action.

**Comprehensive Coverage:** The conference addresses the full range of climate issues, including global impacts, mitigation technologies, adaptation strategies, and policy frameworks.

**Practical and Action-Oriented:** Case studies and interactive discussions to ensure that participants leave with actionable strategies and knowledge to implement resilience-based climate projects.

### COMMITTEE(S)

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### Convenor

**Prof Anil Kumar,**  
Dept. of E & M,  
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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, National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata is a fully centrally funded autonomous institutions providing pre & in-service training to the teachers and staff of Degree and Diploma level training institutions and also for conducting various activities related to quality improvement of the technical education system of the country. It was upgraded was upgraded by granting "Deemed to be University" status by UGC.

#### The focal activities of the institute are

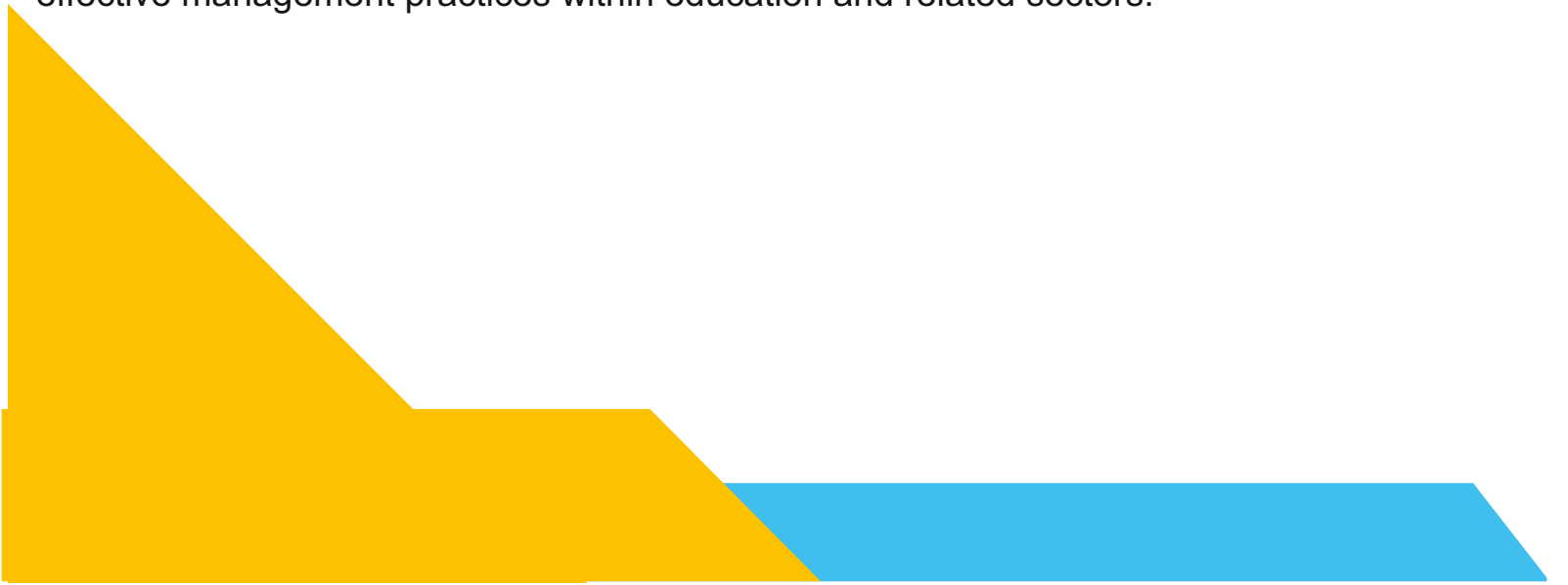
Education & Short-term Training; Curriculum Development; Learning Resources Development; Research & Development and Extension Services & Consultancy. AICTE has recognized the Short-term training programmes conducted by the Institute for consideration for the purpose of movement to higher grades under the Career Advancement Scheme (CAS). The Institute is also offering four (4), AICTE approved M. Tech. Degree Programmes in Manufacturing Technology, Multimedia & Software Systems, Mechatronics Engineering and Structural Engineering.

The Institute has highly qualified & experienced faculty members and excellent infrastructural support in the form of well-equipped laboratories etc. The institute has established extension centers at Guwahati and Bhubaneswar for reaching out to its clients. The new mandate of the Institute has extended its clientele base outside the country encompassing the Technical & Vocational Institutions of particularly SAARC & ASEAN countries.

#### About Department of Education and Management

Effective management of educational institutions and programs is essential for achieving high-quality performance. To address this, the Educational and Management (EdM) Department has been offering specialized short-term training programs since its inception, covering areas like institutional management, quality management, environmental management and climate change, disaster management, training and development, and occupational safety.

The EdM Department tailors its programs based on thorough needs assessments, catering not only to technical educators but also to professionals from diverse sectors. This approach reflects the department's commitment to skill enhancement across various fields. In addition to training, the EdM Department has led numerous consultancy and research projects in technical education, establishing itself as a leader in promoting effective management practices within education and related sectors.



## **Scientific Committees:**

### **National Advisory Committee :**

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and Ex Chairman,  
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(Now DR APJ Abdul Kalam  
Technical University)

**Er P.K. Jha,**

Ex GM, Maruti  
Udyog Limited

**Prof V K Shrivastava,**

EX Professor,  
IIT Delhi





### Important Dates:

Starting Date of Participants Registration	26 November, 2024
Last Date of Participants Registration	26 December, 2024
Seminar Date and Time	30 December, 2024 / 10:30 AM onwards
<b>Website:</b> <a href="http://www.nitttrkol.ac.in">www.nitttrkol.ac.in</a> <b>Email:</b> <a href="mailto:seminars@nitttrkol.ac.in">seminars@nitttrkol.ac.in</a>	

**Venue:**Virtual Mode (Online)

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**Registration Fee:** To attend this seminar in online mode, no registration fee is required to be paid. However it is required to get registered within scheduled time.

### Contact Person

Prof Anil Kumar

Convener

Dept. of E&M, NITTTR, FC Block, Sector-III, Kolkata – 700106

Mob: +91-9007560314; Email: [anil@nitttrkol.ac.in](mailto:anil@nitttrkol.ac.in)

**Registration link :** <https://forms.gle/CVsKv5YdbMd1ug2K7>

