



EXPERT LECTURE

Climate Change Impacts on Civil Infrastructure

An expert lecture by Dr. Vikas Poonia was arranged in the seminar hall of LNCTS on 9th February 2026 on the topic "Climate Change Impacts on Civil Infrastructure: Smart, Sustainable, and AI-Driven Solutions". It was attended by students of civil engineering as well as by all faculty members.

-  **Resource Person** : Dr. Vikas Poonia
-  **Date** : 9 February 2026
-  **Venue** : Seminar Hall, LNCTS
-  **Topic** : Climate Change Impacts on Civil Infrastructure: Smart, Sustainable, and AI-Driven Solutions
-  **Participants** : Civil Engineering students and faculty members



KEY TAKEAWAYS

- Understanding the impact of climate change on civil infrastructure.
- Need for smart and sustainable design solutions.
- Role of AI and modern technologies in resilience and adaptation.
- Importance of sustainable practices for a climate-resilient future.



ACADEMIC EXCELLENCE

Celebrating the hard work, dedication and achievements of our bright minds!



Top Ranking Students of VIII Semester (LNCT)

S. No.	Enrollment No.	Name	SGPA	CGPA
1	0103CE211009	AMAN KUMAR SAHU	8.89	8.23
2	0103CE211021	HARSH KHARE	8.83	8.71
3	0103CE211040	ROHIT KUMAR CHOURASIA	8.50	8.06
4	0103CE211039	RISHABH SINGH SENGAR	8.50	8.04
5	0103CE211041	ROHIT PRAJAPATI	8.44	7.81

Top Ranking Students of VI Semester (LNCT)

S. No.	Enrollment No.	Name	SGPA	CGPA
1	0103CE221004	ADITI PRAGYA	9.04	8.42
2	0103CE221039	SALONI MUWEL	9.04	8.15
3	0103CE221018	DEV KUMAR SHARMA	8.92	8.49
4	0103CE233D06	MANMOHAN LODHI	8.75	7.92
5	0103CE221033	PURUSHOTTAM KUMAR	8.75	7.79

Top Ranking Students of IV Semester (LNCT)

S. No.	Enrollment No.	Name	SGPA	CGPA
1	0103CE243D09	SUMIT KUMAR	8.54	8.13
2	0103CE231051	SHUBHAM KUMAR	8.33	8.09
3	0103CE231028	MANJEET SINGH	8.21	7.48
4	0103CE243D07	MUKESH KUMAR	8.17	7.94
5	0103CE243D01	ANAND MOHAN	7.96	7.22

Top Ranking Students of II Semester (LNCT)

S. No.	Enrollment No.	Name	SGPA	CGPA
1	0103CE241004	ABHISHEK SINGH	8.43	8.07
2	0103CE241037	NAKUL SINGH RAJPUT	8.33	8.22
3	0103CE241050	ROHIT KUMAR GIRI	8.29	8.31
4	0103CE241066	TANMAY PATHAK	8.19	8.17
5	0103CE241029	INDRAJEET CHOURSIA	8.19	7.53



FACULTY ACHIEVEMENTS

PATENTS / PUBLISHED WORKING MODELS AND PROTOTYPES

The Department of Civil Engineering has actively promoted innovation, research and technology development through faculty participation in patent-related activities. Faculty members contributed to several innovative inventions, including systems for concrete bridge health monitoring, smart concrete strength analysis, seismic-resistant building frameworks, roadside air purification, autonomous landslide risk assessment and mitigation, and organic bio-fertilizer preparation.

The patents include “System and Method for Concrete Bridge Health Analysis Using Integrated Sensors and Data Processing”, “A Portable Smart Concrete Strength Analyzer with Real-Time IoT Feedback”, “AI-Driven Adaptive Seismic-Resistant Building Framework with Integrated Energy-Dissipating Components for Earthquake-Prone Regions”, “Autonomous Landslide Risk Assessment and Mitigation System”, and “Roadside Air Purification System”. These innovations were reported as published patents, with application/publication numbers such as 202521079583, 202521086994, 202521091978, 202521125422, and 202521130281, among others.

This demonstrates the department's commitment to innovation, research, interdisciplinary technology development and conversion of academic knowledge into practical engineering solutions, thereby supporting the objectives of NBA accreditation and Outcome-Based Education (OBE).

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JAL JEEVAN MISSION FIELD AUDIT

Mr. Vikash Kumar Singh, Assistant Professor, Department of Civil Engineering, LNCT Bhopal, successfully led a Jal Jeevan Mission (JJM) Field Audit in Harahua Block, Varanasi, Uttar Pradesh, under approval from the District Development Manager (DDM). Accompanied by five Civil Engineering students—Himanshu Shekhar, Manglam Kumar, Sanskar Jain, Rashi Namdeo and Vedika Tumbhare, the team conducted a field audit in Bhatauli and Velvriya Gram Panchavats.

The audit included assessment of water supply infrastructure, pipeline networks, storage facilities, household tap connections and water quality. The activity was carried out with the support of Mr. Anish Kumar Singh (Executive Engineer), SWSM officials, and Mr. S. Rajalingam (District Coordinator), providing students with valuable hands-on experience in rural water supply management.



FACULTY MEMBERS AS RESOURCE PERSONS

Dr. Bikram Prasad at MANIT, Bhopal

Dr. Bikram Prasad, Head, Department of Civil Engineering, LNCT Bhopal, served as a Resource Person in the Short-Term Training Programme (STTP) organized at MANIT, Bhopal. He delivered an expert session on "Application of Remote Sensing and GIS – A Case Study on Upper Lake, Bhopal". The session focused on the practical applications of Remote Sensing and Geographic Information Systems (GIS) in environmental monitoring, water resource management and sustainable urban planning.



Dr. Rajeev Singh Parihar at GLA University

Dr. Rajeev Singh Parihar, Professor, Department of Civil Engineering, LNCT Bhopal, was invited as a Resource Person at GLA University, Mathura on 19th January 2026. He delivered an expert lecture on "The ESG Pillars Covering Environmental, Social and Governance Aspects", highlighting the significance of ESG principles in sustainable infrastructure and engineering practices.





FACULTY BOOK PUBLICATIONS

Three faculty members — Dr. Rajesh Kumar Misra, Dr. Bikram Prasad and Dr. Prabhat Kumar Tiwari — published two books with international publishers in the domain of sustainable environmental engineering and wastewater treatment.

1. Physico-Chemical Characterization of Leachate of Passive Landfill

Publisher: Lambert Academic Publishing

2. Wastewater Treatment by Unconventional Adsorbent

Publisher: Scholars' Press



These books reflect the department's continuous efforts in research, innovation and contribution to global knowledge in environmental engineering.



RESEARCH PUBLICATIONS (SCI/SCIE JOURNALS)

The department published three research papers in prestigious SCI/SCIE-indexed international journals, demonstrating research excellence and innovation.

1. Dr. Abhishek Soni

Journal: National Academy Science Letters

Index: SCIE, Q3

Topic: Sustainable ultra-high-performance concrete

2. Dr. Shubha Agarwal

Journal: Applied Optics

Index: SCIE, Q2

Topic: Advanced graphene wearable nano-antenna technology

3. Dr. Ashish Kumar Chouksey

Journal: Journal of Vibration Engineering & Technologies

Publisher: Springer Nature

Index: SCI, Q1

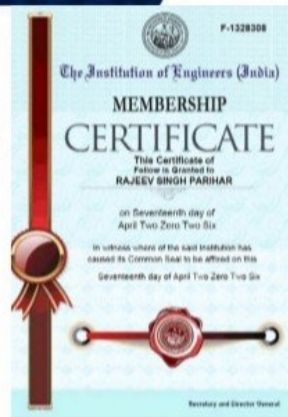
Topic: Traffic-induced vibration analysis



PRESTIGIOUS FIE HONOR

Dr. Rajeev Singh Parihar, Professor, Department of Civil Engineering, LNCT Bhopal, was conferred the Fellow Member (FIE) of The Institution of Engineers (India) [IEI].

This is the highest professional grade awarded by IEI, recognizing his significant contributions to engineering education, research, professional leadership and academic excellence.



CIVIL IMPACT CLUB

The Civil Impact Club (CIC) was launched by the Department of Civil Engineering, LNCT Bhopal, to bridge the gap between classroom learning and industry practice.

Key Activities

- Software training
- Expert lectures
- Industrial visits
- Technical competitions
- Field exposure
- Project development
- Leadership activities

Outcomes

- Innovation • Teamwork • Practical learning
- Technical and professional skills • Industry readiness



AVADHAN SOCIETY

The Avadhan Society was inaugurated at LNCT Bhopal on 25 June 2026.

Key Highlights

- Dr. Amitbodh Upadhyay, OSD, LNCTs delivered a keynote on "Ancient Wisdom of Our Country".
- Dr. Bikram Prasad, Head of Department, discussed the significance of the Bhagavad Gita in values, leadership and ethical decision-making.
- Dr. R. S. Parihar, Professor and Faculty Coordinator, highlighted the Indian Knowledge System (IKS) and its integration with modern education for holistic student development.



*Education rooted in values
builds engineers who not only
construct structures, but also
a better society.*



KNOWLEDGE | INNOVATION | RESPONSIBILITY



*From
Ideas to
Impact*

EDITION: JANUARY – JUNE 2026

PEOPLE | PLANET | PROGRESS

*Engineering
for a
Better Tomorrow*



NIRMAN 2026

CIVIL ENGINEERING MODEL COMPETITION

The Department of Civil Engineering, LNCT Bhopal, organized NIRMAN 2026 under the Civil Impact Club (CIC). The event provided a platform for students to showcase their innovative ideas and practical skills through working and conceptual models.

Key Highlights

- Working and conceptual models
- Sustainable infrastructure solutions
- Smart construction ideas
- Water resource projects
- Environmental engineering projects

Skills Promoted

- Creativity
- Technical knowledge
- Innovation
- Practical learning
- Teamwork
- Problem solving



BRIDGE MANIA 2026

ULTIMATE BRIDGE MAKING COMPETITION

The Department of Civil Engineering, LNCT Bhopal, organized Bridge Mania 2026 on 6th June 2026 under the Civil Impact Club (CIC). The competition gave students an opportunity to design, construct and test model bridges, applying structural engineering concepts in a practical and engaging way.

Key Activities

- Design of model bridges
- Construction of model bridges
- Testing and evaluation
- Application of structural engineering concepts
- Team-based problem solving

Learning Outcomes

- Analytical thinking
- Practical exposure
- Teamwork and collaboration
- Innovation in design
- Connection with real-world engineering challenges



FIELD VISIT

METEOROLOGICAL CENTRE, BHOPAL

An educational visit to the Meteorological Centre, Bhopal, was organized on 24th April 2026 for VI Semester Civil Engineering students, as part of the Water Resources Engineering (CE-603 A) course. The visit provided valuable exposure to real-time meteorological observations and their applications in civil engineering.

Key Learning Areas

- Meteorological observations
- Weather monitoring
- Rainfall measurement
- Application of climatic data
- Water resource planning
- Relevance to civil engineering



SUSTAINABLE
INFRASTRUCTURE



INNOVATIVE
SOLUTIONS



EMPOWERED
COMMUNITIES



KNOWLEDGE
FOR IMPACT