

Constructing  
Knowledge  
Shaping  
Tomorrow

EDITION: JANUARY – JUNE 2025

Ideas Today | Better Structures Tomorrow

Engineering  
for a  
Better Tomorrow



## EXPERT LECTURES

Learning from Experts.  
Building a Stronger Tomorrow.

### 1 Scientific and Practical Insights of Vastu Shastra in Modern Construction

The Department of Civil Engineering organized an expert lecture for the students of 6th semester on 06 March 2025 at Vikram Sarabhai Conference Hall by **Mr. Sanjay Agrawal**, Professor, Structural Engineer and Planner, NITDP Training Institute, Bhopal, on his area of expertise "Scientific and Practical Insights of Vastu Shastra in Modern Construction".

#### Key Details

|                 |                                                                             |
|-----------------|-----------------------------------------------------------------------------|
| Date            | : 06 March 2025                                                             |
| Semester        | : VI Semester                                                               |
| Venue           | : Vikram Sarabhai Conference Hall                                           |
| Resource Person | : Mr. Sanjay Agrawal                                                        |
| Designation     | : Professor, Structural Engineer and Planner                                |
| Organization    | : NITDP Training Institute, Bhopal                                          |
| Topic           | : Scientific and Practical Insights of Vastu Shastra in Modern Construction |



### 2 Road Safety Audit & Pedestrian Safety

On 29 May 2025, the Department of Civil Engineering organized an expert lecture for the students of the 4th semester with the objective of enhancing their understanding of contemporary issues in transportation engineering. The session was delivered by **Dr. Rakesh Meher**, Associate Professor at SATI, Vidisha. The lecture focused on "Road Safety Audit & Pedestrian Safety".

#### Key Details

|                 |                                         |
|-----------------|-----------------------------------------|
| Date            | : 29 May 2025                           |
| Semester        | : IV Semester                           |
| Resource Person | : Dr. Rakesh Meher                      |
| Designation     | : Associate Professor, SATI, Vidisha    |
| Topic           | : Road Safety Audit & Pedestrian Safety |



### 3 The Future of Urban Mobility

The Department of Civil Engineering organized an Expert Lecture for VI semester Civil Engineering students of LNCT/LNCTS on 19 February 2025 at APJ Abdul Kalam Conference Hall. The session was delivered by **Dr. Pritikana Das**, Professor, MANIT Bhopal, a distinguished academician and expert in Civil Engineering and Transportation Planning. She delivered an insightful lecture on "The Future of Urban Mobility: Balancing VRUs Safety with Emerging Traffic Safety Measures."

#### Key Details

|                 |                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------|
| Date            | : 19 February 2025                                                                          |
| Semester        | : VI Semester                                                                               |
| Venue           | : APJ Abdul Kalam Conference Hall                                                           |
| Resource Person | : Dr. Pritikana Das                                                                         |
| Designation     | : Professor, MANIT Bhopal                                                                   |
| Topic           | : The Future of Urban Mobility: Balancing VRUs Safety with Emerging Traffic Safety Measures |



SUSTAINABLE  
INFRASTRUCTURE



EMPOWERED  
COMMUNITIES



INNOVATIVE  
SOLUTIONS



KNOWLEDGE  
FOR IMPACT

Learn  
Build  
Innovate  
Grow

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PEOPLE  
OPPORTUNITIES  
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## ACADEMIC EXCELLENCE

Committed Minds.  
Brighter Futures.



### Top Ranking Students of III Semester (LNCT)

| S. No. | Enrollment No. | Name             | SGPA | CGPA |
|--------|----------------|------------------|------|------|
| 1      | 0103CE231051   | SHUBHAM KUMAR    | 8.42 | 8.00 |
| 2      | 0103CE231027   | MANGLAM KUMAR    | 7.88 | 7.63 |
| 3      | 0103CE231033   | MUNNA KUMAR      | 7.75 | 7.93 |
| 4      | 0103CE231009   | AMIT KUMAR       | 7.75 | 7.26 |
| 5      | 0103CE231010   | ANUGRAH TRIPATHI | 7.75 | 6.89 |



### Top Ranking Students of I Semester (LNCT)

| S. No. | Enrollment No. | Name                        | SGPA | CGPA |
|--------|----------------|-----------------------------|------|------|
| 1      | 0103CE241050   | ROHIT KUMAR GIRI            | 8.33 | 8.33 |
| 2      | 0103CE241066   | TANMAY PATHAK               | 8.14 | 8.14 |
| 3      | 0103CE241037   | NAKUL SINGH                 | 8.10 | 8.10 |
| 4      | 0103CE241003   | ABHISHEK RAJPUT SHRIVASTAVA | 8.05 | 8.05 |
| 5      | 0103CE241004   | ABHISHEK SINGH              | 7.71 | 7.71 |

“

“Excellence is not a skill, it is an attitude.”

– Ralph Marston

”



## FACULTY ACHIEVEMENTS

Research Today. A Stronger Tomorrow.



### Faculty Publication Details

Dr. Sandeep Choudhary, Head of the Department, Department of Civil Engineering, has demonstrated strong academic, research, and administrative leadership. He has contributed 7 peer-reviewed journal papers, 1 peer-reviewed conference paper, and 1 book chapter. As HOD, he has actively promoted research, faculty development, student engagement, technical activities, and continuous improvement, contributing significantly to the department's academic excellence and alignment with NBA/NAAC quality benchmarks.



## OUR FACULTY – OUR STRENGTH



### RESEARCH

Generating  
new knowledge



### MENTORSHIP

Guiding future  
engineers



### INNOVATION

Turning ideas  
into impact



### LEADERSHIP

Strengthening  
academic excellence



KNOWLEDGE  
BUILDS NATIONS



STUDENTS  
CREATE CHANGE



FACULTY  
DRIVE PROGRESS



TOGETHER  
FOR A BETTER TOMORROW

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*Innovate  
Research  
Collaborate  
Grow*

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## PATENTS / PUBLISHED WORKING MODELS AND PROTOTYPES

*Innovative Minds.  
Real-World Solutions.*

| S. No. | Faculty Name             | Patent / Model Title                                                                | Granted/Published | Patent Application No. |
|--------|--------------------------|-------------------------------------------------------------------------------------|-------------------|------------------------|
| 1      | Parul Omare              | Automated Concrete crack detection and repair system for infrastructure maintenance | Published         | 202421103814           |
| 2      | Sunil Kumar Vishwkarma   | Repair system for infrastructure maintenance                                        | Published         | 202421103814           |
| 3      | Vikas Kumar Singh        | Water pollution source locating device                                              | Published         | 202521021123           |
| 4      | Dr. Prabhat Kumar Tiwari | A Portable smart concrete strength analyzer with real time IOT feedback             | Published         | 202521086994 A         |
| 5      | Dr. Subha Agarwal        | IOT Based Air Pollution Monitoring Device                                           | Published         | 431682-001             |
| 6      | Rajeev Singh Parihar     | Smart Traffic Management System for optimizing roadway Congestion in Urban areas    | Published         | 202421103813 A         |
| 7      | Dr. Bikaram Prasad       | System for predictive urban flood management using dynamic runoff modelling         | Published         | 432463-001             |
| 8      | Dr. Bikaram Prasad       | Portable micro-irrigation device                                                    | Published         | 4590805-001            |
| 9      | Dr. A.K. Jha             | Smart Traffic Management system for optimizing roadway congestion in urban areas    | Published         | 202421103813 A         |



## KEY TAKEAWAYS

*Turning Ideas into Impact.*



### RESEARCH DRIVEN SOLUTIONS

Addressing real-world challenges



### FACULTY INNOVATION

Contributing to a sustainable future



### TECHNOLOGY FOR SOCIETY

Transforming ideas into practical applications



### A GREENER TOMORROW

Innovations for resilient infrastructure



KNOWLEDGE  
BUILDS NATIONS



PEOPLE  
CREATE IMPACT



IDEAS  
DRIVE CHANGE



TOGETHER  
FOR SUSTAINABLE GROWTH

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Explore  
Learn  
Build  
Belong

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## FIELD VISIT

Learning Beyond Classrooms.  
Experiencing Real-World Engineering.

### Geological Site Visit – Sanchi Stupa

On 03 June 2025, the Department of Civil Engineering organized an educational geological site visit to Sanchi Stupa, Vidisha for the 2nd year Civil Engineering students.

The visit was conducted as a part of the curriculum of the subject Engineering Geology and Remote Sensing (CE 405) under RGPV. The objective of the visit was to provide students with practical exposure to geological features, rock formations and their significance in civil engineering applications.

The visit was successfully conducted under the guidance and supervision of faculty members, and it offered students a valuable opportunity to connect classroom learning with real-world observations.



#### Key Details

|              |                                                   |
|--------------|---------------------------------------------------|
| Date         | : 03 June 2025                                    |
| Location     | : Sanchi Stupa, Vidisha                           |
| Participants | : 2nd Year Civil Engineering Students             |
| Subject      | : Engineering Geology and Remote Sensing (CE 405) |
| Curriculum   | : RGPV                                            |
| Purpose      | : Educational geological site visit               |
| Guidance     | : Under the supervision of faculty members        |



## KEY TAKEAWAYS

Bridging Theory with Real-World Exposure.



Understanding geological formations and their significance



Practical exposure to real-world engineering applications



Enhanced learning through field observation



Appreciation of cultural and historical heritage in engineering

“

“Field visits turn knowledge into understanding.”

”



LEARN  
IN NATURE



EXPLORE  
TO DISCOVER



APPLY  
TO SOLVE



BUILD  
A BETTER TOMORROW

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