

About VIT

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence. Our Memoranda of Understanding with various international universities are our major strength.

About CDMM

The Centre of Disaster Mitigation and Management (CDMM; www.vit.ac.in/cdmm/) is one of the most modern, well-equipped, and progressive centres in India with a passion for excellence. CDMM addresses some of the most neglected areas of the highest national importance. Innovation in Disaster education, rendering of highly specialized disaster mitigation services and a Disaster Knowledge Network tagged with great learning exercises are the three areas of its current operation. The Centre aims to achieve excellence in the key areas of research on par with international standards and regional issues and concerns, especially in Landslides and Earthquake Disaster Mitigation and Management, Early Warning Systems, Mitigation Efforts and Disaster Preparedness across India. The centre has a team of professionals from various disciplines such as Structural & Geotechnical Engineering, Geological studies, and

Geospatial Technology and energy. The research focus of CDMM includes hazard mapping, vulnerability analysis, risk assessment, modelling and forecasting for natural disasters such as landslides, earthquakes, cyclones, floods etc. Research and consultancy projects are carried out through sponsored funding from the Ministries and Departments of the Government of India and International agencies like UNDP-India, the Social Science and Humanities Research Council (UK), the Geophysical Institute, the Russian Academy of Sciences, etc.

About ISET Vellore Chapter

By the initiatives of VIT Vellore, the ISET Vellore Chapter was established in December 2016 for the public welfare and seismic resilient India, as a forum for scientists and engineers of various specializations to join and exchange ideas and to promote research, development, and awareness work in the field of Earthquake Technology.

Target Groups

The Workshop is designed for practicing Engineers, Faculty members and Students of Engineering/Polytechnic colleges.

Resource Persons

Dr. Prabhakar J
Chief Scientist & Head
Advanced Concrete Testing & Evaluation Lab
CSIR- SERC, Chennai

Dr. G. Mohan Ganesh,
Professor (HAG), School of Civil Engineering
VIT-Vellore

Dr .P. Rama Mohan Rao,
Professor and Director
Centre for Disaster Mitigation and Management
VIT-Vellore

Registration

- Last Date of Registration: 13/02/2025
- Register online at: <https://events.vit.ac.in/>
- Registration Fees (Inclusive of GST)

Category	Fees
Student/ Research Scholar	Rs. 400/-
Faculty member	Rs. 550/-
Industry person	Rs. 750/-

To register for the programme, please send the details along with the online transaction number through email to the coordinator on or before 13th Feb 2025. Registration is open until seats are filled.

Payment should be made online only using the link provided:

<https://events.vit.ac.in/>



Venue

Centre for Disaster Mitigation and Management, VIT, Vellore
632014

For Further Details Contact

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About the Workshop

The utilization of concrete is exponentially increased for the development of infrastructure such as power plants, Irrigation structures, bridges, etc. Concrete undergoes deterioration due to corrosion of reinforcement, ageing, and other environmental conditions. For deteriorated concrete, it is necessary to evaluate to assess the state of concrete and reinforcement would help in selecting proper remedial measures. The condition assessment of old and new concrete structures can be done using Non-destructive testing methods. These NDT techniques can play a supporting role in the decision-making process of the conditional assessment of the structure. NDT methods are preferred because they will not alter the appearance or functionality of the structure. The testing of existing structures is usually related to an assessment of structural integrity or adequacy. The main objective of this workshop is on the NDT methods used for the condition assessment of concrete structures.

The objectives of the workshop are: -

1. To explore the potential of NDT methods in accurately assessing damage in reinforced concrete structures.
2. To engage participants for a deeper understanding of the underlying principles and limitations of various NDT techniques.
3. To explore innovative applications of NDT for damage assessment in challenging environments.
4. To foster a collaborative community of professionals dedicated to advancing the practice of NDT in damage assessment.

Major Topics to be covered

- Introduction to Non-Destructive Techniques
- Operations and Usage of Non- Destructive techniques
- Case studies
- Demonstration of NDT equipment

Organizing Committee

Chief Patron:

Dr. G. Viswanathan, Chancellor

Patrons:

Mr. Sankar Viswanathan, Vice President

Dr. Sekar Viswanathan, Vice President

Dr. G. V. Selvam, Vice President

Dr. Sandhy Pentareddy, Executive Director

Ms. Kadhambari S. Viswanathan, Assistant Vice President

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Dr. V.S. Kanchana Bhaaskaran, Vice Chancellor

Dr. Partha Sharathi Mallick Pro-Vice-Chancellor

Dr. T. Jayabarathi, Registrar

Convener

Dr. P. Rama Mohan Rao Professor & Director

Centre for Disaster Mitigation and Management

ISET, Vellore Chapter

Dr. G. Mohan Ganesh, Professor (HAG), School of Civil Engineering & Chairman

Dr. P. Rama Mohan Rao, Professor and Secretary

Faculty Coordinators

Dr. Arunava Ray, Assistant Professor

Centre for Disaster Mitigation and Management

Dr. Prasanth S, Assistant Professor

Centre for Disaster Mitigation and Management



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)



One day Workshop on Damage Assessments of RC Structures by NDT Methods

15th February 2025



Organized by

Centre for Disaster Mitigation and Management
Vellore Institute of Technology, Vellore 632014

Tamil Nadu, India.

In association with

Indian Society of Earthquake Technology
(ISET)

VIT, Vellore Chapter

