

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. In fact, it has become a way of life for us. The highly motivated youngsters on the campus are a constant source of pride. Our Memoranda of Understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud.

SCHOOL OF CIVIL ENGINEERING

The School of Civil Engineering (SCE) is a part of the institute since the inception of VIT. The School has grown tremendously over the past thirty years and is now recognized as one of the major engineering school in VIT. The School has faculty members from various reputed institutes such as IITs, NITs etc. Besides high-quality teaching and research at both UG and PG levels, the faculty members of the school are actively involved in executing a number of R&D and Consultancy projects from government agencies

including DBT, DST, ISRO, UGC, AICTE, and also from many reputed industries. The School offers two postgraduate programs: M.Tech in Structural Engineering & M.Tech in Construction Technology and Management. The School of Civil Engineering with its multifaceted faculty members continues to maintain and cultivate its strong link with the infrastructural industry such as L&T, HCC, DLF, RAMCO, CCL, Godrej, TATA Consultancy, etc. The school has also regularly benefited from international linkages facilitated by University level MoUs with a number of leading foreign Universities such as Deakin University, Queensland University of Technology (QUT), West Virginia University, North Dakota State University etc.

ABOUT WORKSHOP

MIDAS CIVIL NX offers a user-friendly working environment and essential simulation features for bridges and civil structures, including static analysis, construction stage analysis, moving load analysis, seismic analysis, and more. These functionalities are not limited to bridges and are valuable for simulating diverse civil structures in various projects. It significantly enhances post-processing performance, enabling analysis results and reports to be generated over 20 times faster, leading to a substantial boost in work productivity. Precise analysis of bridge structures considering the nonlinearity of foundation separation devices is possible through dynamic boundary nonlinear analysis. It considers the nonlinear characteristics of materials in components, predicts the inelastic behavior of components, and performs inelastic time history analysis to understand the seismic response characteristics of the structure.



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)



Three-day Workshop on Advanced Analysis of bridges using MIDAS Civil NX

Organized by

**Department of Structural and
Geotechnical Engineering**

School of Civil Engineering

In Association with

**MIDAS Research and Development
Centre India Pvt., Ltd
Navi Mumbai**

Date: 28th February to 2nd March 2025

**Venue: Vellore Institute of Technology,
Vellore campus**



Resource Persons:

Kamal Nayan Mudigonda

Senior Str. Engineer, MIDAS R&D Centre.

Expected Participants

- PG/UG Students
- Research Scholars & Faculty Members
- Practicing Civil Engineers

Proposed Topics:

- Response Spectrum, Pushover, Time History Analysis of Bridge.
- P-Delta, Buckling Analysis of a Bridge Pier
- Modelling of Cable Stayed, Suspension Bridge.

Organizing Committee

Honourable Patron

Dr. G. Viswanathan

Founder & Chancellor
Vellore Institute of Technology, Vellore

Chief Patrons

Shri. Sankar Viswanathan

Vice President
Vellore Institute of Technology, Vellore

Dr. Sekar Viswanathan

Vice President
Vellore Institute of Technology, Vellore

Dr. G. V. Selvam

Vice President
Vellore Institute of Technology, Vellore

Patrons

Dr. Kanchana Bhaaskaran

Vice Chancellor
Vellore Institute of Technology, Vellore

Dr. Partha Sharathi Mallick

Pro-Vice Chancellor
Vellore Institute of Technology, Vellore

Dr. T. Jayabharathi,

Registrar, Vellore Institute of Technology, Vellore

Convenor

Dr. M. P. Saravanakumar

Dean, SCE, Vellore Institute of Technology, Vellore

Dr. A. Sofi

Associate-Dean, SCE, Vellore Institute of Technology, Vellore

Co-Convenors

Dr. A. Punitha Kumar

HOD, Dept. of SGE, SCE, VIT, Vellore

Dr. S. Mahenthiran

HOD, Dept. of EWRE, SCE, VIT, Vellore

Faculty Coordinators

Dr. G. Mohan Ganesh, Professor (HAG)

Dr. N. Senthil Kumar, Associate Professor
Department of SGE, SCE, VIT, Vellore

Registration details

Registration can be done online using link
<https://events.vit.ac.in/>

Registration fee

Sl. No	Delegates Category	Registration Fee* (INR)
1	Students (Inside VIT)	300
2	Research Scholars (Inside VIT)	500
3	Students / Research Scholars (Outside VIT)	750
4	Faculty / Industry / R & D	1500

*Inclusive of GST and Refreshments.

The last date for registration is **26th February 2025**. **The delegates will receive participation certificate from MIDAS.** Transport and accommodation shall be borne by the participants themselves.

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