

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 is Bridge Design & Analysis software with exclusive analysis features to deal simpler with complex geometry, making the modeling flexible & optimized and efficient designs for engineers. MIDAS GEN offers conventional & advanced analysis capabilities like nonlinear analysis, construction stage analysis, heat of hydration analysis, etc. MIDAS FEA NX is the advanced finite element analysis tool for civil and structural engineering applications. MIDAS CIM is a specialized parametric bridge modeler for any type of structure. Participants of this workshop are introduced to the concepts of structure modeling, analysis, design, and documentation. This course offers hands-on exercises representing real-world structural design scenarios of bridges.



VIT[®]

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



Five-day Workshop on Analysis of PSC (T-beam and Box girder) bridges using MIDAS Civil & Introduction to MIDAS GEN, FEA NX & CIM

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: 09th to 13th August 2024

Venue: VIT, Vellore campus



Resource Persons:

Er. Sai Manoj Vemula

Senior Str. Engineer, MIDAS R&D Centre.

Expected Participants

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

Proposed Topics:

- Hands on session in MIDAS CIVIL (Analysis and Design of RCC/PSC T Girder Bridge, PSC I/Box Girder Bridge).
- Introduction to MIDAS GEN (Building Design and Drawing).
- Introduction to MIDAS FEA NX (Advanced Analysis for Localized Zones in Bridge and Building Structures).
- Introduction to MIDAS CIM (Civil Information Management System).

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

Shri. 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. A. S. Santhi

Dean, SCE, Vellore Institute of Technology, Vellore

Co-Convenors

Dr. A. Punitha Kumar

HOD, Department of SGE, SCE, Vellore Institute of Technology, Vellore

Dr. S. Mahenthiran

HOD, Department of EWRE, SCE, Vellore Institute of Technology, 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)	500
2	Research Scholars (Inside VIT)	750
3	Students / Research Scholars (Outside VIT)	1000
4	Faculty / Industry / R & D	2000

*Inclusive of GST and Refreshments.

The last date for registration is **5th August 2024**. **The delegates will receive participation certificate from MIDAS.** Transport and accommodation shall be borne by the participants themselves.

Address for correspondence

Dr. N. Senthil Kumar

Mobile: +91-9003378135

Email: n.senthilkumar@vit.ac.in

Dr. G. Mohan Ganesh

Mobile: +91-9894690073

Email: gmohanganesh@vit.ac.in