

About VIT

Vellore Institute of Technology was found in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. From this humble beginning, the institution has grown exponentially. Students from all the states of India and from more than 60 countries are studying at VIT. University status was conferred in 2001 by MHRD, Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives. Currently, VIT has 5 campuses in Vellore, Chennai, Amravati, Bhopal and Bangalore. NIRF of the MHRD, Government of India, has ranked VIT 8th in university, 11th in Research, 11th in Engineering, 17th in Overall category in 2023. VIT has gone for accreditation by NAAC [India], IET [UK], and ABET [USA] and follows world class academic processes. National Assessment and Accreditation Council (NAAC) has accredited VIT with the highest grade A++ in 2021 (4th cycle). 48 Professors of VIT are among the Top 2% Scientists in the world according to the study conducted by the Stanford University, USA in 2022. In QS World University Ranking by Subject 2023, released on 22 March 2023, Vellore Institute of Technology (VIT) has made significant progress and ranked 240th in the world in Engineering and Technology.

VIT has introduced many innovations in academic processes which add value to every student - FFCS (Fully Flexible Credit System), PBL (Project Based Learning) for better learning. Hackathons/Make-a-thons as a part of the curriculum exercise kindles the interest and the curiosity of students, which moulds them to be better problem solvers, the 8th module in every subject being handled by industry experts, making the students contextualize the concepts they study in the classroom, are few of the innovations that VIT has introduced.

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 centers 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 Disaster Knowledge Network tagged with the 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 center has a team of professionals from various disciplines such as Structural & Geotechnical Engineering, Geological studies, and Geospatial Technology environmental engineering and numerical modelling. The research focus of CDMM includes hazard mapping, vulnerability analysis, risk assessment, modeling, and forecasting for natural disasters such as landslides, earthquakes, cyclones, floods. 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, Social Science and Humanities Research Council (UK), Geophysical Institute, Russian Academy of Sciences, etc.

About the Workshop

After the Turkey-Syria Earthquake in February 2023 concerns have been raised regarding structural safety of the buildings and infrastructure facilities during earthquakes. Buildings which are not designed for earthquake resistant can suffer from severe collapse/failure in the event of earthquake. So, there is an urgency to develop awareness of basic seismic design parameters, earthquake design guidelines and ductile detailing as per revised Indian Standards among practicing engineers, design engineers and student community. This workshop elaborates the seismic design concepts, ductile detailing and seismic hazard analysis.

Objectives of Workshop and Outcome

To make the participants to understand the Earthquake resistant design steps and to expose them towards recent developments/techniques for earthquake resistant structures.

Target Groups

The workshop is designed for practicing engineers, faculty members, research scholars and students of engineering colleges/polytechnic colleges.

Major Topics to be covered

Seismic design parameters to be considered as per IS:1893-2016
Earthquake design guidelines
Ductile Detailing as per IS:13920-2016
Seismic Hazard Analysis

Venue Centre for Disaster Mitigation and Management, VIT, Vellore 632014.

Resource Persons

Dr. Rupen Goswami
Professor of Civil Engineering, IIT Madras, Chennai.

Dr. S.S. Chandrasekaran
Professor, Director, CDMM, VIT-Vellore.

Registration Fee (Including 18% GST)

Students and Research Scholars: Rs.350/-
Faculty members: Rs.500/-
Industry persons: Rs.750/-

How to Register

To register for the program please send the details along with the online transaction number through email to the coordinator on or before 24th September 2023. Registration is open until seats are filled.

Payment should be made only online using the link below

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

One Day Workshop on

Earthquake Resistant Design of Reinforced Concrete Structures

27th September 2023

Name :

Affiliation :

Address :

Mobile Number:

E-Mail ID:

Signature of the Participant

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. Rambabu Kodali, Vice Chancellor
Dr. Partha Sharathi Mallick, Pro-Vice Chancellor
Dr. T. Jayabarathi, Registrar

Convener

Dr. S.S. Chandrasekaran
Professor & Director
Centre for Disaster Mitigation and Management
Vellore Institute of Technology, Vellore 632014,
Tamil Nadu, India.

Event Coordinators

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

Vellore 632 014

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Organized by

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

In association with



**Indian Society of Earthquake Technology (ISET),
Vellore chapter.**