

## SCHOOL OF CIVIL ENGINEERING (SCE)



### About VIT

VIT was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. From its humble beginning, the institution has grown exponentially to that of having more than 33,000 students. Students from all the states of India and from more than 50 countries are studying at VIT.

The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT as the best Private Engineering Institution in India in the year 2016, 2017, 2018, 2019 and 2020. VIT has gone for accreditation by NAAC [India], IET [UK], and ABET [USA]. Govt. of India has recognized VIT, Vellore as an Institution of Eminence

VIT is ranked within the top 450 Universities in the World and Number 1 Private Institution in India in Engineering and Technology as per QS subject ranking, 2020.

### School of Civil Engineering (SCE)

The School of Civil Engineering (SCE) is a part of the institute since the inception of VIT. The School has grown tremendously over past thirty years and is now recognized

as one of the major engineering school in VIT. The School has 46 faculty members from various reputed institutes such as IITs and 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 DST, DBT, BRNS, ISRO, UGC, AICTE, and also from many reputed industries. 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 Departments

The Departments offers the following courses

#### Under Graduate :

B.Tech (Civil Engineering)

#### Post Graduate :

M.Tech (Structural Engineering)

M.Tech (Construction Technology & Management)

#### Research Programme

Ph.D and M.Tech (by Research)

### Laboratory and Testing Facilities

Laboratories are well equipped with modern facilities and specialised software, provide state-of-the-art facilities for teaching and advanced research. The school has actively assisted local industries in structural and environmental studies.

- Strength of Materials Lab (NABL accredited)
- Civil Engineering Computing Centre
- Environmental Engineering Lab
- Fluid Machinery Lab

- Advanced Strength of Materials Lab
- Geotechnical Engineering Lab
- Non Destructive Testing lab
- Heritage Lab
- Structural Engineering Lab
- Survey Lab
- Transportation Engineering Lab



Column Testing Frame



Shake Table



Ring Shear Test



Inductively Coupled Plasma Optical Emission Spectrometer (ICP OES)

### Consultancy Offered

The faculty of SCE rendered consultancy services for various government departments, Public Sector Undertakings and industries in the private sectors.

- ❖ B&B Developers and Builders Pvt. Limited
- ❖ Bharat Petroleum Corporation Limited
- ❖ Eco Protection Engineers Pvt. Ltd
- ❖ L&T Construction Ltd.
- ❖ National Highways Authority of India
- ❖ Smirhi Rekha Foundation

- ❖ Southern Railway
- ❖ Tamil Nadu Police Housing Corporation
- ❖ Tamil Nadu Water Supply and Drainage Board
- ❖ VRR Infrastructure Developers
- ❖ Water Resources Department, Govt. of Tamil Nadu



### Sponsored Research Projects

Total research grants to a tune of Rs. 3.17 Crore (in last 5 years) is received from the various funding agencies listed.

- Department of Science and Technology (DST), Government of India
- Department of Biotechnology (DBT)
- Board of Research in Nuclear Sciences (BRNS)
- Neyveli Lignite Corporation (NLC), Neyveli
- Institution of Engineers (India)
- Indian Space Research Organisation (ISRO), Government of India
- State Planning Commission, Govt. of Tamil Nadu
- Indira Gandhi Centre for Atomic Research (IGCAR), Department of Atomic Energy, Government of India

### Student Activities

Project based learning is the prime motive for student activities. Various events such as Hack-A-Thon, Mak-A-Thon, Cost-A-Thon, Build-a-Thon, Map-a-Thon etc., enrich the student innovative skills.



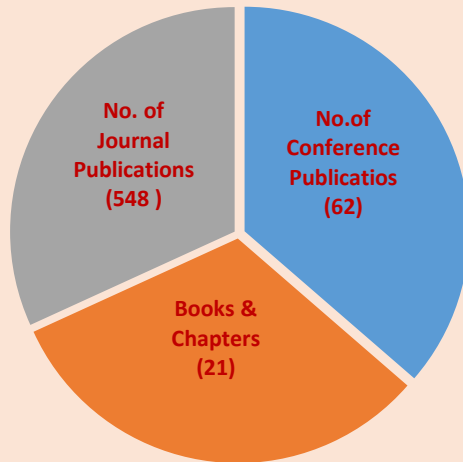
### Student Chapters

The members of the various student chapters include the undergraduate and postgraduate students, research scholars and faculty of the Department. Student chapters actively engage in conducting seminars, guest lectures and invited talks throughout the year for the enrichment of latest knowledge to the budding future civil engineers. Distinguished academicians, scientists and eminent industrial experts interact with students and motivate them during the events conducted.

- Indian Society of Earthquake Technology (ISET) - Vellore Chapter
- Indian Geotechnical Society (IGS) - Vellore Chapter
- American Society of Civil Engineers (ASCE) - VIT Student Chapter
- Indian Concrete Institute (ICI) - VIT Student Chapter

### Research Publications

Faculty members of SCE publish their research work in highly reputed peer reviewed journals.



(Publication data's between 2015 -2019).

### Major Recruiters



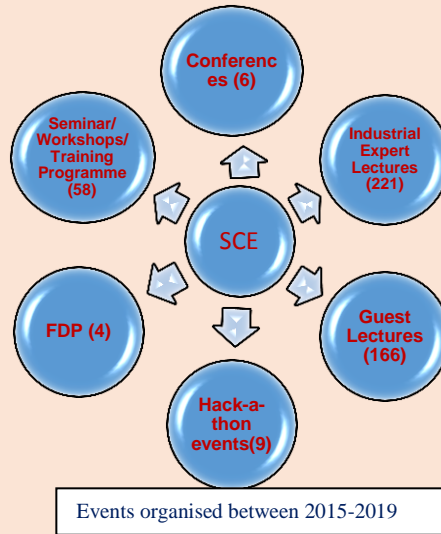
### Students Achievements



ASCE Students ('Team Eklavya) for ASCE Canoe Competition



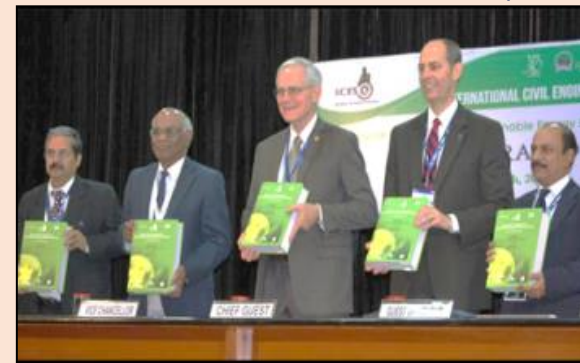
Mr. Asmit Goel ( 17BCL0162 ) won the Third place in the Transportation Engineering Design Category in the 2019 Student Design Challenge conducted by Bentley Institute,



**Workshops / Conferences / Guest Lectures / Industrial visits organized**



International Conference on “Recent Trends in Construction Materials and Structures” -Sept-2019



ASCE-ICES - International Conference on “Sustainable Energy and Built Environment”-March 2015



**Thrust Areas**

- Structural Engineering - Steel Structures, Heritage Structures, Concrete Structures
- Geotechnical Engineering – Landslides, Seismic Hazard Assessment, Ground Improvement Techniques
- Water Resources Engineering – Hydrology, Water Conservation and Water Quality Management
- Environmental Engineering - Industrial Waste Treatment and Remediation, Energy Recovery from Waste, Air Quality Management, Clean Technology
- Transportation Engineering -Traffic Flow Modelling, GIS and Remote Sensing Applications
- Waste to Wealth - Utilization of Industrial by-products

**Contact**

**The Dean**

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