

CONNECTIONS



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EDITORIAL BOARD

Chief Editor

Dr.R.Kumutha

Professor and Head

Co- Editor

Mr. G.Arun

Assistant Professor

Students

- **Mr.B.Raghavendra**
III Year Civil Engineering
- **Mr.G.Aravintakshan**
II Year Civil Engineering

DEPARTMENT VISION AND MISSION

Vision

To become a department of excellence in Civil Engineering education and research with a supportive infrastructure, transforming individuals into globally competent civil engineers to serve the industry and society

Mission

- To establish a top-notch learning environment with cutting-edge resources and facilities facilitating education, research, innovation and consultancy activities.
- To promote lifelong learning to provide solutions for real world problems with moral and ethical values by developing their skills and competency in the emerging fields of Civil Engineering.
- To offer technical and engineering solutions to the issues and challenges that arise in the construction industry at National and Global levels.

PLACEMENT ACTIVITIES

- **Mr.Avinash S.** (IV year) has got placed with M/s COWI India pvt Ltd as BIM trainee.



Congratulations!

- **Ms.Srilekha N** (IV Year) has got placed in M/S Auger Engineers pvt ltd, Chennai as a Sustainability Engineer.



RESEARCH ACTIVITIES

- **Dr.M.Selvakumar** reviewed a journal paper entitled ‘Developing durable concrete through the use of different materials’ in the Journal of Recent Activities in Infrastructure Science’.
- **Dr.M.Selvakumar** reviewed a journal paper entitled ‘Autonomous driving environment perception: Uncertainty Quantification of Semantic Segmentation’ in the Journal of Transportation Engineering, Part A: Systems.
- **Ms.Ruby Freya**, presented paper on “Analysis and Design of multistorey steel building with shear thickening fluid dampers in joints” in the second international conference on sustainable technologies in civil and environmental engineering organised by Dr.D.Y.Patil institute of technology, Pune during 6-7 June 2024.



PROGRAMS ORGANISED

Core Training program has been conducted for the Pre Final Year students between 11th June to 15th June 2024. students were imparted knowledge on basics of subjects like engineering mechanics, Strength of materials, Surveying, Fluid Mechanics and Hydrology, Water Supply Engineering, Wastewater Engineering, Structural Analysis , Design of Steel Structures, Design of RC Elements & Concrete Technology, Soil Mechanics & Foundation Engineering, Transportation Engineering, Estimation and Costing. All faculty members in the department were trainers for the program.



FACULTY PARTICIPATION

- Ms.Ruby Freya participated in the workshop on “Disaster Awareness and Management Training” on 1st June 2024 at SVCE.
- Ms.Ruby Freya attended a FDP on “ Analysis and design of buildings using ETABS at NITTTR, Chennai from 24th to 28th June.



- Kalaivannan R had Participated in open Quiz on 20 June 2024 on DIKSHA Portal held by Bureau of Indian Standards in its efforts to promote Indian Standards and create awareness on Quality & Standard



STUDENT PARTICIPATION

- **Mr. Syed Afrideen M**, IV year Civil Engineering had completed his Internship at SPR construction Pvt Ltd , Chennai from 10.05.2024 to 10.06.2024.

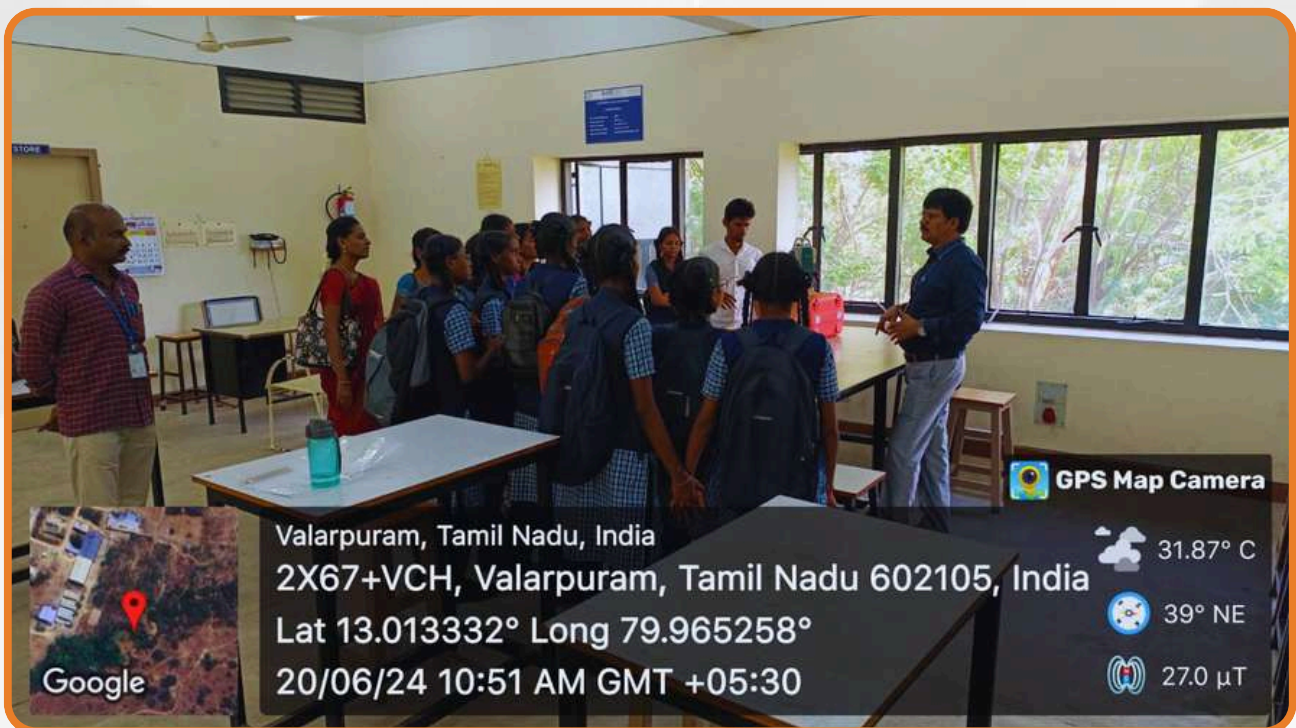


STUDENT PARTICIPATION

- **Mr. Prem Kumar S, Mr. Ramana R and Mr. Chandravan P**, final year students presented paper on “Analysis and Design of multistorey steel building with shear thickening fluid dampers in joints” in the second international conference on sustainable technologies in civil and environmental engineering organised by Dr.D.Y.Patil institute of technology, Pune during 6-7 June 2024.
- **Kotteshwari V** (I year) had Participated in open Quiz on 20 June 2024 on DIKSHA Portal held by Bureau of Indian Standards in its efforts to promote Indian Standards and create awareness on Quality & Standard.
- **Jai Siddarth A** (II Year) had participated and successfully completed the training on “Construction LCA bootcamp - Summer 2024” conducted by One Click LCA Ltd.
- **Jai Siddarth A** (II Year) had participated and successfully completed the training on “Whole-life carbon assessment for RICS v2” conducted by One Click LCA Ltd.

COMMUNITY OUTREACH

Experience SVCE was held on 20th June. The aspiring school students and their parents were briefed about the Department, the programs offered and showcased the infrastructure available.



ALUMNI TESTIMONIAL

“

As an alumni of SVCE, I am proud to reflect on the education and skills that I received during my time there. The vibrant campus life has given me immense opportunities to build my career and also lasting friendships. The faculties who have been genuinely invested in the success of students helped me a lot to achieve my professional goals. I am forever grateful to have been in such a nurturing environment provided by SVCE.

”



Ms. K. Kavin Malar
(2019-23 Batch)

II Year

M.Tech - Geotechnical Engineering
IIT - Thirupathi



B.E. CIVIL ENGINEERING PROGRAM OUTCOMES

Students in the Civil Engineering program should, at the time of their graduation, be able to

1. Apply the knowledge of mathematics, science, engineering fundamentals and concepts of Civil Engineering to the solution of complex engineering problems. **(Engineering knowledge)**
2. Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences. **(Problem analysis)**
3. Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. **(Design/Development of Solutions)**
4. Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems. **(Conduct Investigations of Complex Problems)**
5. Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations. **(Modern Tool Usage)**
6. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. **(The Engineer and Society)**
7. Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. **(Environment and Sustainability)**
8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. **(Ethics)**
9. Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. **(Individual and Team Work)**
10. Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. **(Communication)**
11. Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. **(Project Management and Finance)**
12. Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change. **(Life-long Learning)**

B.E. CIVIL ENGINEERING

PROGRAM SPECIFIC OUTCOMES & PROGRAM EDUCATIONAL OBJECTIVES

Students in the Civil Engineering program should, at the time of their graduation, be able to

- Provide solutions for real life problems related to core areas of civil engineering by applying knowledge of mathematics, Basic and Engineering Sciences and by using appropriate engineering tools
- Plan, analyse, design, execute and manage infrastructure projects considering safety, societal and environmental factors

Civil Engineering graduates during the first few years of graduation will:

- Practice civil engineering in construction industry, public sector undertaking or as an entrepreneur by applying ethical principles and following norms of civil engineering practice.
- Pursue higher education for professional development
- Exhibit leadership and team working skills in their profession and other activities with demonstrable attributes to contribute to the societal needs and to adapt to the changing global scenario.

PROGRAMS OFFERED

- **B.E. Civil Engineering**
- **B.E. Civil Engineering (For Working Professionals)**
- **M.E. Construction Engineering and Management**
- **Ph.D. in Civil Engineering**



Department Webpage



YouTube Channel



Linkedin profile



About the Department

The Department of Civil Engineering has started functioning from the year 2008 offering B.E Civil Engineering and Ph.D Civil Engineering programs.

The Department has expertise and facilities for undertaking consultancy work on testing of building materials, traffic studies, structural analysis and design etc.

Highlights of the Department

- B.E Civil Engineering programs accredited by National Board of Accreditation (NBA) under Tier I.
- Anna University Recognized Research Centre
- Signed MoUs with NHAI, Construction Management Training Institute (CMTI), Bengaluru and TechApps Consulting, Chennai.
- The Department has received funded projects and external grants from SERB, AICTE, TNSCST, etc.
- Completed consultancy and testing projects associated with various industries.
- Published book chapters and patents.

Specializations & Research Domains

- ✓ Structural Engineering
- ✓ Transportation Engineering
- ✓ Environmental Engineering
- ✓ Construction Management
- ✓ Water Resources Engineering
- ✓ Geotechnical Engineering



Visit www.svce.ac.in

CONTACT US

Sri Venkateswara College of Engineering,
Post Bag No 1, Pennalur, Chennai
Bengaluru High Road, Sriperumbudur Tk,
Kancheepuram Dt. Tamilnadu 602 117



044-27152000

8122518923

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WHY STUDY CIVIL AT SVCE?



- Industry Institute Interaction in terms of Partial delivery of course, Industrial visits, Internships, Guest lectures.
- Well-defined Choice Based Credit System based curriculum with Value added Courses and Certificate courses.
- Well-equipped modern laboratories and Industry Supported Advanced Software Laboratory (supported by TechApps Consulting and Bentley Education).
- Involvement of students in association activities and magazine publications.

OUR MAJOR RECRUITERS



A BACHELOR'S DEGREE IN CIVIL ENGINEERING WITH SPECIALIZATION IN ANY OF THE FOLLOWING

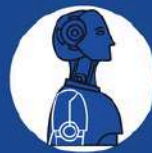
MINOR DISCIPLINES



ARTIFICIAL INTELLIGENCE & MACHINE LEARNING



DATA SCIENCE



ROBOTICS & MODERN MATERIAL HANDLING



BUSINESS DATA ANALYTICS



LOGISTICS & SUPPLY CHAIN MANAGEMENT



FINTECH & BLOCK CHAIN

AND MANY MORE.....

HONOURS



Structural Engineering



Geotechnical Engineering



Environmental Engineering



Construction Management



Geo-Informatics



Transportation Engineering