



Sri Venkateswara
College of
Engineering

Department of Civil Engineering

CONNECTIONS

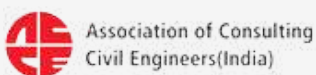
February 2025

NEWSLETTER

Volume 8, Issue 02



Dept. of Civil Engineering
Know more about us



Indian Concrete Institute





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EDITORIAL BOARD



- **Dr.R.Kumutha**
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- **Mr.R.Kalaivannan**
Co-Editor & AP/CVE

STUDENT EDITORS

- **Mr.B.Raghavendra**
IV Year Civil Engineering
- **Mr.A.Jai Siddarth**
III Year Civil Engineering
- **Mr.G.Kabilan**
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

- Establish a top-notch learning environment with cutting-edge resources and facilities facilitating education, research, innovation and consultancy activities.
- 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.
- Offer technical and engineering solutions to the issues and challenges that arise in the construction industry at National and Global levels through experiential learning.

RESEARCH & ACTIVITIES

- **Mr S Aadeshwar and Mr A S Kalicharan** , IV Year students have received an intramural grant of **Rs.9,500** for their project titled **Study of Effectiveness of Green corrosion inhibitors on mild Steel in preventing corrosion** guided by **Dr.Ruby Freya, Assistant Professor**.
- **Dr.Ruby Freya, Assistant Professor** presented a paper titled **Performance Evaluation and Optimisation of Shear Thickening Fluid Dampers in Structural and Dynamic Load Applications** at 1st International Conference on Advances in Structural and Geotechnical Engineering held during 6 - 8th February 2025 at Indian Institute of Technology, IIT Patna.
- **Dr.R.Sathia, Associate Professor, M.Kishore and R. Harish kannen** of IV year Civil Engineering students presented a paper on 6th International Conference on Sustainable Practices and Innovations in Civil Engineering , Feb 13th and 14th at SSN college of Engineering in online mode on the topic **“Smart Building Automation for Commercial Buildings”**.

INDUSTRY INTERACTION

CONSULTANCY

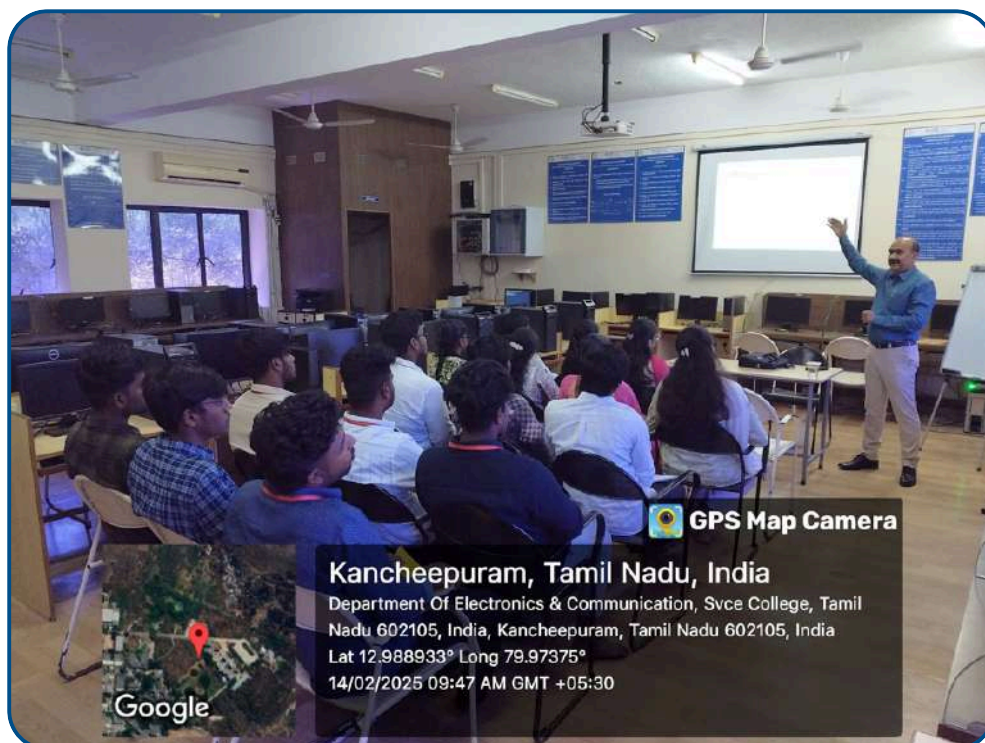
- Dr. R. Kumutha, Prof & Head, Dr.R.Sathia, ASP and Mr.R.Rajesh Lab Instructor carried out a consultancy work on **Third-party verification** for a residential layout at Walajabad on 14.02.2025. (Revenue generated: Rs.70,800/-)



- Dr. R. Kumutha Prof & Head , Dr.Ruby Freya, AP, Mr.G. Arun, AP and Mr. R. Rajesh Lab Instructor carried out a consultancy work on **Third-party verification** for a residential layout at Sriperumbudur (reinspection) on 25.02.2025.(Revenue generated: Rs.11,800/-)

INDUSTRY INTERACTION

- **Dr.R.Kumutha , Professor and Head** acted as a **Jury** to evaluate the M.Tech Thesis for the Outstanding Master Thesis Award category for ICI Ultratech Concrete Day Awards 2024.on 9th February 2025.
- Visiting faculty **Mr. N.G. Muralidharan, Technical Consultant, Radcrete Pacific Pty Limited & Chairman, Indian Concrete Institute, Chennai Centre** delivered the lecture for the subject CE22024 - Repair and Rehabilitation of Structures on 14.02.2025 and 16.02.2025.



FACULTY CONTRIBUTIONS

- **Dr.R.Kumutha**, Professor & Head has participated in the AICTE Recognized Faculty Development Programme on “**Fundamentals of BIM and Geospatial Technologies for Development of Smart Cities**” conducted by Civil Engineering Department from 17/02/2025 to 21/02/2025 (One Week) at NITTTR, Chandigarh (Online mode).
- **Dr.M.Selvakumar, Dr.R.Sathia and Mr.A Vijay Vighesh** attended three days Workshop on “**Video Lecture Production using AI tools**” during 28/01/2025 , 29/01/2025 and 03/02/2025 organized by Office of Dean Academic Development, SVCE.
- **Mr.Arun G and Mr.Mathiyazhagan R** have participated in & completed the AICTE Training And Learning (ATAL) Academy Faculty Development Program on “**The Role of Artificial Intelligence in Sustainable Waste Management**” from 10/02/2025 to 15/02/2025.
- **Dr.R.Kumutha and Dr.Ruby Freya** attended the Seminar on “**Digital Innovations in Civil Engineering: Advancing Water Infrastructure and Geospatial Intelligence**” organised by the Department of Civil Engineering on 12.02.2025(Wednesday) through Online mode.

FACULTY CONTRIBUTIONS

- **Dr.R.Sathia, ASP and Dr.Ruby Freya,AP** were invited to mentor and evaluate the participants' projects. at Hack'her'thon v2.o. on 12 and 13th February 2025.
- **Dr.S.Hariswaran, AP** acted as one of the panel members to act as a judge in a track “**IDEO-O-LITE**” part of **Fourth Edition of iCUBE (National Level Technical Event)** organized by Science Club, SVCE during 7th and 8th February 2025.



- **Kalaivannan R, AP** participated and stamped in the BIS World Record Attempt at SVCE campus on February 14, 2025.
- **Mr. A. Vijay Vignesh (AP/CVE) and Mr. Kalaivannan R (AP/CVE)** prepared the End Semester Question Paper for Mepco Schlenk Engineering College (Autonomous), Sivakasi.

STAFF CONTRIBUTIONS

- **Mr.R.Rajesh, Instructor** completed 2 weeks industrial training on AUTOCAD 2D AND 3D from 15.12.2024 to 31.12.2024 conducted by Academy of Skill Development.



- **Ms.K.Revathi, Lab Assistant** completed 4 weeks industrial training on STAAD.PRO (Project Based) from 11.12.2024 to 10.01.2025 conducted by Academy of Skill Development.



STUDENT'S HIGHLIGHTS

- **Mr.R.J.Ramanhujam and Mr.V.Kavin Manickam (III Year students)** have completed their **Internship Training in Chennai Metro Rail Limited (CMRL)**, Chennai from 20.01.2025 to 20.02.2025.
- **Mr.Kesava Prakash S (II Year)** participated in Silambam competition and **won the cash prize of Rs.500 in the pongal celebration** at SVCE on 01.02.2025.



- **Mr. Kabilan G (II Year)** participated in the **BIS World Record Event – Tri-Standards Race competition** at SVCE on February 14, 2025, and **won a cash prize of Rs.2000.**
- **Jai Siddarth A and Yugeshwaran R (III-year students),Kabilan G (II year)**, participated and stamped in the **BIS World Record Attempt** at SVCE campus on February 14, 2025.

STUDENT'S HIGHLIGHTS

- Harshita T., Mohana Priya S., Muthu mathi S. Mathimitha A. of Third year Civil engineering has won second place in the Conquer the Snakes event in Artifex 2025 ,a National-Level Technical Symposium organized by Department of Civil Engineering on February 20, 2025.



- Viveka. M, Monica. S, Bhakya lakshmi. B of second year Civil Engineering has won second place in the Tower times event in Artifex 2025 ,a National-Level Technical Symposium organized by Department of Civil Engineering on February 20, 2025.



STUDENT'S HIGHLIGHTS

- **Ms Sandhya shree H (I year)** was awarded runners with a certificate and medal for the event connexions, part of the Tetra Fusion Arena organised by SVCE Science club on 19th October 2024 and was awarded during the event held on 27th February 2025.
- **Ms.Kotteshwari V and Ms.Sumaiya R (II Year Students)** have participated in the NSS Annual Special Camp 2024-25 held at Thandalam village from 17.02.2025 to 23.02.2025 on the theme of “Youth for Rural Development”.
- Students of first year attended the 6 day Soft skill training classes held during 17-22 February 2025.



STUDENT'S HIGHLIGHTS

- **A. Keerthivasan, (II year)** represented the college cricket team and participated in D.R.M.G.R TROPHY (20th Feb 2025 to 25th Feb 2025) conducted by sathyabama university and SSN cricket tournament (24th Feb 2025 to 27th Feb 2025 conducted by SSN college of engineering.



- **Mr.Aravinthakshan N (III year) and Mr. Abhijeet S (I year)** student represented the college football team and participated in Crescent trophy on 18th February and SSN trophy on 25th February 2025.
- **Ms. Sarmistha T, I year student**, participated in Melody Ride and Shipwreck events at symposium held at Chennai Institute of Technology on 12th February 2025

STUDENT'S HIGHLIGHTS

- **Mr. Rashik Ahmed R., (IV year)** is currently undertaking his final year project at **MAHSA University, Malaysia**, under the supervision of **Dr. Hayana Dullah**.



- **Mr.Kishorkkumar Haribaabhu, Mr.Rooban Yoga, Mr.John Sajin J and Mr.Prasanna Kumar V (II Year Students)** have received the certificate of completion of the **MADE 2.0 programme on CODE Design Thinking Framework** themed “Pivoting at the right moment” to ideate solution towards business value at **Taylor’s University, Malaysia** from **22.01.2025 to 28.01.2025**.



PROGRAMS ORGANISED

- A Seminar on **“Digital Innovations In Civil Engineering: Advancing Water Infrastructure and Geospatial Intelligence”** was organised by the Department of Civil Engineering on 12.02.2025(Wednesday) through Online mode. This seminar was organised by Dr.R.Kumutha (HoD/CVE) and coordinated by Mr.R.Kalaivannan (AP/CVE) & Mr.A.Vijay Vignesh (AP/CVE).

Topics Covered in the Seminar:

- **Topic 1: The Rise of Geospatial Intelligence in Engineering and Construction.**
Speaker: Mr. Hussain Babu D, Engineering Manager, EDRC Digital (III SBG), Wet IC, L&T Construction.
- **Topic 2: Application of Hydrology and Hydraulic Modelling for Flood Management.**
Speaker: Mr. Gugesesh Sankar, Asst. Engineering Manager, EDRC Digital (III SBG), Wet IC, L&T Construction.
- **Topic 3: BIM Application in water infrastructure Projects**
Speaker: Mr. Kumaresan Panneerselvam, Engineering Manager, EDRC Digital (III SBG), Wet IC, L&T Construction.



PROGRAMS ORGANISED

ARTIFEX'25

Department of Civil Engineering Sri Venkateswara College of Engineering (SVCE) successfully organized **ARTIFEX'25, a National-Level Technical Symposium, on February 20, 2025. The event was inaugurated by Mr. Nithin Vishveswaran, Managing Director of NV Infra , chennai and Alumnus (2011-2015 Batch), who also delivered the inaugural address.**

The symposium featured a series of engaging and intellectually stimulating technical events, including:

- Conquer the Snakes
- Tower Times
- Bid360
- Quiz & Trivia



PROGRAMS ORGANISED

ARTIFEX'25



- The valedictory address and prize distribution for ARTIFEX'25 were delivered by Dr. N. R. Sheela, ASP & Head / Department of Applied Physics, SVCE (Autonomous), Sriperumbudur. Students from SVCE and various other colleges actively participated in the events, with winners receiving cash prizes and certificates.



PROGRAMS ORGANISED

ALUMNI GUEST LECTURE

- Alumni Talk by **Mr. M Venkata Prashanth, Alumni (2011-2015 batch), Senior Design Engineer, Menard, USA** was organised on **"Ground Improvement Techniques and it's Applications "** on 10th February 2025.



- **Mr. Pradeep A, MD, Sekaran Foundations and Alumni (2012-2016 batch)** visited the campus as an **evaluator** for the **fourth edition of icube** on 8th February 2025.

PROGRAMS ORGANISED

EXPERIENCE SVCE

- Dr. R. Kumutha, Professor and Head of the Civil Engineering Department, briefed about the Civil Engineering Program offered at SVCE and showcased the lab facilities available in the department to the parents who visited the department as part of the "Experience SVCE" event on 12th February 2025.



EXPERIENCE SVCE

Students from Hayagriva Vidhyashram School, Sriperumbudur, visited the facilities available in the department on February 27, 2025, as part of the Experience SVCE program.

An awareness about the Civil Engineering Program was given to them by Dr,R,Sathia, ASP, Mr.G.Arun, AP and Mr.A. Vijay Vignesh, AP. The importance of the solid waste management was also explained to the school students during their visit to Environmental Engineering lab.



ALUMNI MESSAGE

“With the help of my faculties I have gathered the skill set and subject knowledge required for venturing my own firm. SVCE has the culture of encouraging students to organize events on their own, which was very much encouraging and that gave me the confidence to become an entrepreneur”



Mr. Karthick Pandiyan S
Managing Director,
Karthick Housing Pvt Ltd.
Madurai.
(2014-2018 Batch)

PROGRAM OUTCOMES (POs)

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)**

PROGRAM SPECIFIC OUTCOMES (PSOs)

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

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

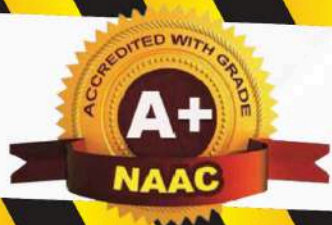
Civil Engineering graduates during the first few years of graduation will:

- 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.

PROGRAMMES OFFERED

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

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- Youtube Channel: <https://www.youtube.com/@svcedepartmentofcivilengin2935>
 - LinkedIn: <https://shorturl.at/nvQQ1>
 - Instagram: https://www.instagram.com/svce_civildepartment/
 - Twitter: https://x.com/SVCE_Civil
 - Department Website: <https://www.svce.ac.in/departments/civil-engineering>



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

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Kancheepuram Dt. Tamilnadu 602 117



044-27152000

8122518923

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9840861987

7845637195



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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**

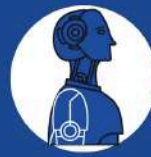
MINOR DISCIPLINES



**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**



SVCE

Sri Venkateswara
College of
Engineering



DEPARTMENT OF CIVIL ENGINEERING



M.E. Construction Engineering and Management

ADMISSIONS OPEN
for the AY 2025 - 2026

Sri Venkateswara College of Engineering (Autonomous) is a premier self-financing institution started in 1985 and received Autonomous status in 2016. The college is approved by AICTE and affiliated to Anna University, Chennai. The college is accredited by National Assessment and Accreditation Council (NAAC) with A+ Grade.

Department of Civil Engineering has started functioning from the year 2008, offering B.E. degree program in Civil Engineering. The programme is accredited by NBA under Tier I Washington Accord. The Department is a recognized research centre by the Anna University for MS (By Research) and Ph.D. Programmes.

RESEARCH FOCUS

- Resource Optimization Techniques in Project Management
- Automation in Construction Industry
- Construction and Demolition wastes
- Advanced testing techniques for building materials
- Risk Management in Construction Projects
- Sustainable Binders and Concrete
- Sustainability and Life Cycle Assessment
- Composite Building materials
- Construction Cost Control
- Quality and Safety Management

SCHOLARSHIPS FOR PG STUDENTS

- > **PG scholarship of Rs.50,000/year** for 30% of the top scorers in their UG degree of sanctioned class strength for 2 years.
- > **Management Scholarships** for tuition fees and assistance for books and instruments.
- > **Intramural M.E/M.Tech Student Research Grant** to carry out innovative projects in Civil Engineering.
- > **Sponsorships** for students to participate in conferences.
- > **AICTE-GATE Scholarship of Rs. 12,400/month for 24 months** from AICTE for students having a valid GATE score.

Career Opportunities

- Planning Engineer
- BIM Modeler
- Cost Controller
- Safety Engineer
- Quality Engineer
- Academic Job
- Project Scheduler
- Project Coordinator
- Quantity Surveyor
- Maintenance Engineer
- Billing Engineer
- Research Assistant

MoU Signed



National Highway
Authority of India
(NHAI), India

Construction
Management
Training Institute
(CMTI), Bengaluru



Companies looking for M.E.
Construction Engineering and
Management Professionals

CBRE



L&T Construction
Power Transmission & Distribution

TATA
TATA PROJECTS



CUSHMAN &
WAKEFIELD

GAMMON
Builders to the Nation

Eligibility & Admission: The basic eligibility criteria is to have a Bachelor's Degree in the relevant field from a recognised university/institute. Admissions will be based on a Common Engineering Entrance Test for Admission (CEETA PG), conducted by Anna University on behalf of the Tamil Nadu government. Candidates with valid scores in the GATE examination are exempted from CEETA PG. The final selection to M.E. program will be done through a counselling process.