

CONNECTIONS



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EDITORIAL BOARD

Chief Editor

Dr.R.Kumutha

Professor and Head

Co- Editor

Mr. Kalaivannan R

Assistant Professor

Students

Mr.B.Raghavendra

IV Year Civil Engineering

Mr.G.Aravintakshan

III 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 through experiential learning.

COLLABORATION WITH NATIONAL RIVER CONSERVATION DIRECTORATE (NRCDD)



With reference to Expression of Interest submitted by the Department of Civil Engineering, our College has been included in the list of empanelled institutes for independent appraisal of Detailed Project Reports (DPRs) of projects submitted under National River conservation Plan (NRCP) by Department of Water Resources, RD& GR, Ministry of Jal Shakti, Government of India.

The National River Conservation Directorate (NRCDD) implements the Centrally Sponsored Scheme of the NRCP to conserve rivers, lakes, and wetlands across the country.

PLACEMENT ACTIVITIES



Mr.K.Gopinath IV year,Civil Engineering has got a placement offer at Technip Technip Energies for Graduate Engineer Trainee role.

Congratulations

INDUSTRIAL VISITS ORGANISED

An Industrial visit was organized for the third year students to the **Construction of Three storey building** at Adambakkam on 28.08.2024. This visit was arranged by **Dr.R.Kumutha, Professor & Head / Civil** coordinated by **Mr.A.Vijay Vignesh, Assistant Professor / Civil**. The students have learnt about the bar bending works for the construction of slab and beams, Plumbing systems, inverted beam construction, formwork systems etc.



INDUSTRIAL VISITS ORGANISED



Second and final-year students visited **Chetna Steel Tubes Private Limited** in Gummidipoondi as part of a Civil Engineering Standards Club exposure visit on August 29, 2024. They were accompanied by **Mr. Kalaivannan R, Assistant Professor/Civil** , and Ms. Revathi, Lab Instructor in Civil Engineering..

FACULTY PARTICIPATION

- **Dr.R.Kumutha, Professor & HoD/Civil Engineering** has evaluated the Ph.D thesis of a research scholar of Osmania University, Hyderabad on 27th August 2024.
- **Dr. R. Kumutha, Professor and Head**, has undergone the Innovation Ambassador Training (Advanced level) through online mode (30 contact hours) conducted by MoEs Innovation cell and AICTE on 04.07.2024.
- **Dr.R.Kumutha, Professor & HoD/Civil Engineering & Innovation Ambassador** visited Sri Chandrasekarendra Saraswathi Viswa Maha Vidyalaya, Deemed University in Kanchipuram for monitoring the progress of IIC activities on 1st August 2024 along with a team of members under IIC Mentor-Mentee Scheme



FACULTY PARTICIPATION

Dr. P. Venkateswara Rao, Professor/Civil has participated in the Civil Engineering Annual Convention organized by Bureau of Indian Standards (Ministry of consumer affairs) during 23/8/2024 and 24/8/2024 at Udaipur.



FACULTY AND STUDENTS ACHIEVEMENT

2020-2024 batch students **Mr.R.Ramana, Mr.S.Prem Kumar and Mr.P.Chandravasan** under the guidance of **Ms.Ruby Freya, Assistant Professor/CVE** received a grant of **Rs.7500/-** for the project titled **"Shear Thickening Fluid Dampers for enhancing Seismic Resilience and fortifying Steel Structures"** from Tamilnadu State Council for Science and Technology (**TNSCST**) under Student Project Scheme 2023-24.

SVCE Sri Venkateswara
College of
Engineering

DEPARTMENT OF CIVIL ENGINEERING

Congratulates
the 2020-24 Batch students

Ramana R **Prem Kumar S** **Chandravan P**

Congratulations on receiving a fund of Rs.7500 under the
TNSCST Student Project Scheme 2023-24
for the project "Shear Thickening Fluid Dampers for Enhancing Seismic Resilience and Fortifying Steel Structures" guided by Ms. Ruby Freya, Assistant Professor, Civil Engineering.

STUDENTS PARTICIPATION

- **Mr.G.Kabilan and Mr.V.Sunil Kumar** (II Year Students) attended a tree plantation drive organized by The Unnat Bharat Abhiyan Cell of Sri Venkateswara College of Engineering in Nemili Village on 16th August 2024.



- **A. Jai Siddarth (III Year student)** has participated in the MIC Driven session on “Creating and Managing YUKTI Innovation and IPR Repository (YIIR) in HEIs” (Quarter-IV MIC Calendar Activity) organized by the Institution Innovation Council (IC201810371 - IIC SVCE Sriperumbudur), Sri Venkateswara College of Engineering, Sriperumbudur on 02.08.2024.
- **Yugheswaran RB (III Year)** has participated in Round-1 of and successfully qualified for Round-2 of Quiz Competition on Civil Engineering organized by Indian Concrete Institute, New Delhi Centre on 15.08.2024.
- **Pavithran E (III Year)** has participated in Round-1 of Quiz Competition on Civil Engineering organized by Indian Concrete Institute, New Delhi Centre on 15.08.2024.

ALUMNI TESTIMONIAL



My faculties helped me in shaping my personality and career a lot. The campus has a very good infrastructure and state of art lab facilities, the library has a huge space with humongous collection of books, magazine and digital content. SVCE is place where you can pursue your dream

Mr. Sakthivel S.

**(2011-15 Batch)
Assistant Engineer, Highways Department,
Tamil Nadu**

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

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

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



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CONTACT US

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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

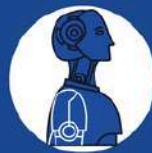
MINOR DISCIPLINES



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