

ABOUT COLLEGE

Sri Venkateswara College of Engineering (Autonomous), a premier self-financing engineering college was established in the year of 1985 and is managed by Sri Venkateswara Educational and Health Trust. The college offers 12 B.E/B.Tech Degree Programs and 7 PG Programs in Engineering/Technology. The courses was approved by AICTE and affiliated to Anna University, Chennai. The college attained autonomous status in the year 2016. The college is accredited by National Assessment and Accreditation Council (NAAC) with A+ Grade in the year 2022. The National Board of Accreditation has accredited many of the eligible programs. The college is an ISO 9001:2015 certified institution. The college is situated in serene environment about 37 Kms from Chennai and situated on the way of Chennai Bangalore National Highway (NH4) at Pennalur, Sriperumbudur, Kanchipuram district.

ABOUT DEPARTMENT

The Department of Civil Engineering has started functioning from the year 2008, offering B.E degree program in Civil Engineering. At present, the department has 10 faculty members having P.G. specialization in different areas of Civil Engineering such as Structural Engineering, Transportation Engineering, Construction Engineering & Management, Geotechnical Engineering, Environmental Engineering and Water Resources Engineering. The Department has excellent infrastructure in terms of well-established Laboratories and class room facilities. B.E. Civil Engineering program is accredited by National Board of Accreditation (NBA) till 30.06.2026 under Tier I, Washington Accord.



For More Details

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DEPARTMENT OF CIVIL ENGINEERING



DEPARTMENT BROCHURE

B.E. Civil Engineering
(Accredited by NBA under Tier I)

DEPARTMENT 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.

DEPARTMENT 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.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- I. Practice civil engineering in construction industry, public sector undertaking or as an entrepreneur by applying ethical principles and following norms of civil engineering practice.
- II. Pursue higher education for professional development
- III. 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.

PROGRAM OUTCOMES (POs)

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)

1. 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.
2. Plan, analyse, design, execute and manage infrastructure projects considering safety, societal and environmental factors.

PROGRAMME HIGHLIGHTS

Faculty Expertise in diversified areas like Structural Engineering, Hydrology & Water Resources Engineering, Geotechnical Engineering, Environmental Engineering, Transportation Engineering, Mechanics of Materials and Construction Management.



Proficient Faculty

Industry Oriented Curriculum



Choice Based Credit System (CBCS)

Internships & Industrial Visits



Internships in both Private as well as Government Sector companies to gain practical exposure in Civil Engineering.



MoUs Signed



National Highway Authority of India (NHAI), India

Construction Management Training Institute (CMTI), Bengaluru



Confederation of Real Estate Developers Associations of India (CREDAI)



Technical Association



Indian Concrete Institute, Student Chapter

ACCE Institutional Member



Certificate Courses Offered

- Interior and Exterior design using Sketch-up and V-Ray
- Project Planning and Scheduling using Primavera P6
- Professional Documentation and Presentation Skills using MS Office

Value Added Courses Offered

- Application of Planning Tool in Construction Projects
- Finite Element Analysis Using Computer Tools
- Remote Sensing Techniques and GIS
- Smart Structures and Smart Materials
- BIM Fundamentals for Engineers
- IoT Applications in Civil Engineering
- Green Building Concepts
- Automation in Construction

State of Art Equipments



The Department has well equipped state-of-the-art laboratories that cater to the needs of the students. The department also takes up industrial consultancy works from various industries.

CONCRETE & HIGHWAY ENGINEERING LABORATORY



LABORATORY INFRASTRUCTURE

SURVEY LABORATORY



STRENGTH OF MATERIALS LABORATORY



SOIL MECHANICS LABORATORY



FLUID MECHANICS & MACHINERY LABORATORY

CADD LABORATORY



ENVIRONMENTAL ENGINEERING LABORATORY



Student Development Activities

Students Achievements



ICI Student Chapter

Extracurricular Activities



Industrial Visits

Active Participation in Civil Engineering Association (CEA) events

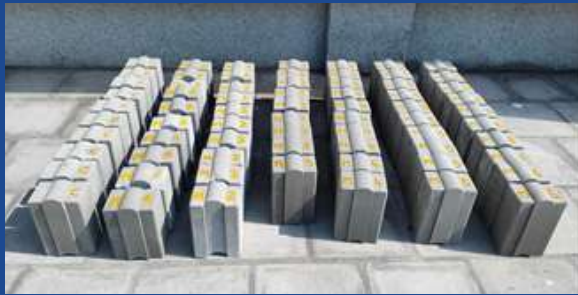


ATAL Tunnel Visit

- Internships | Inplant Trainings

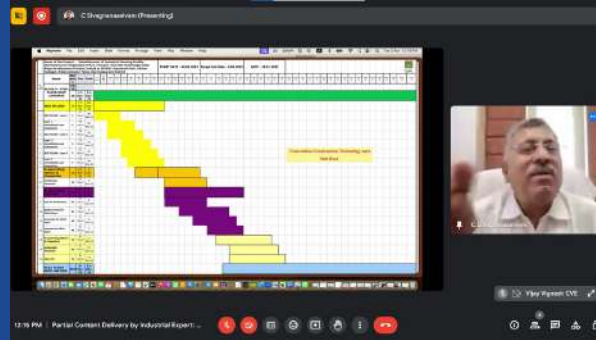


Student's Product Development



Development of High Performance Geopolymer Interlocking Bricks Using Waste Glass for Structural Applications

Partial Delivery by Industrial Experts

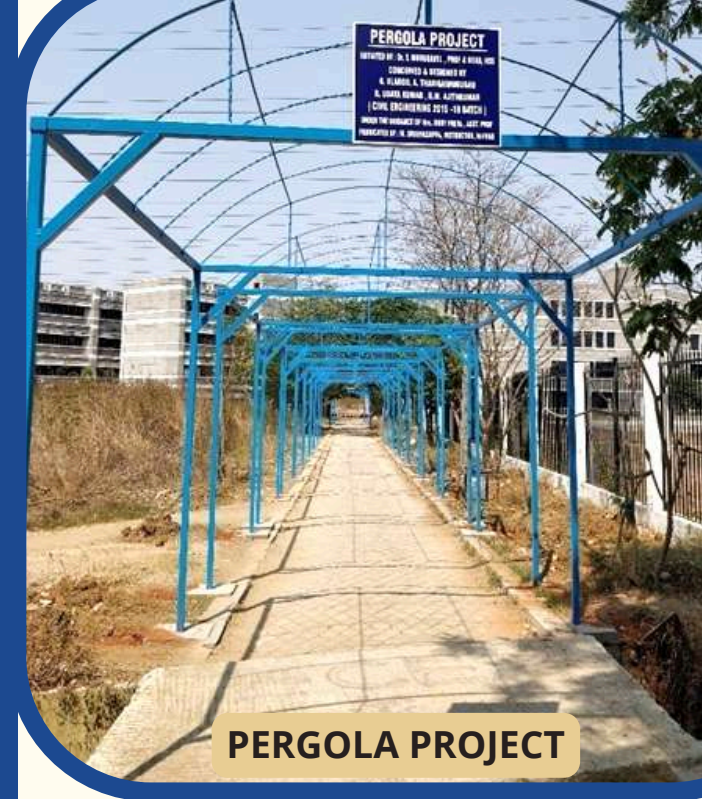


Guest Lecture by Industrial Experts

Implementation of Air Quality Monitoring System using IoT



Purification of Wastewater by Distillation using Solar Still



PERGOLA PROJECT

MODEL LAB



Higher Studies in reputed Colleges & Foreign Universities



Alumni as Entrepreneurs



Testimonials by Alumni

"I have had the best days during my college days. I have learnt so many life taking moments during this period. Moreover, all the staffs are very friendly and they seek what's best for us. Every time they push us to move further in life. That's the key point actually. Taking the first step towards our goal or ambition. And SVCE staffs fulfilled that in my life. I am very thankful to them lifelong." – A. Pradeep (2012-2016)



"The college provides excellent opportunities for extracurricular and co-curricular activities which indicate that it focuses on all round development. Studying at SVCE was one of the most beneficial experiences I have ever had in my life. I am proud to have been a part of SVCE, and given a chance to travel back, it is my college I would like to go back to because it has given me sweet memories, friends and a sense of confidence to face the challenges in life." – B. Sai Sudhir (2010-2014)



Achievements in Competitive Exams



Sakthivel S
AIR: 3490
GATE Score: 580
(2017-2021 Batch)



Monika P
AIR: 6316
GATE Score: 492
(2017-2021 Batch)



Kumaran S
AIR: 6072
GATE Score: 499
(2016-2020 Batch)



Dharshini G
IELTS
Overall Band Score: 8.5
(2017-2021 Batch)



Kaavya R
AIR: 7357
GATE Score: 467
(2017-2021 Batch)

Our Elite Alumni



Mr. Manoj Periasamy
Site Engineer
SecureEnergy JV
Sydney, Australia
(2010-14 Batch)



Mr. J Harish
Senior engineer, Kalpataru
Power Transmission Ltd.,
Mumbai. (2011-15 Batch)



Mr. Kishore Aravind
Founder,
IK Infratech Solutions,
Chennai,
(2010-14 Batch)



Mr. Vignesh Sridhar
Assistant Engineer, CHA
Consulting, Columbus, Ohio
(2012 - 16 Batch)



**Mr. Venkata Prashanth
Munappa**
Project Engineer,
Geotechnical Engineering,
PSI Intertek, Orlando, Florida
(2011 - 15 Batch)



Mr. S. Sakthivel
Assistant Engineer,
Highways Department,
Chennai
(2011-15 Batch)