

CONNECTIONS

March 2025

NEWSLETTER

Volume 8, Issue 03





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EDITORIAL BOARD



- **Dr.R.Kumutha**
Chief Editor & HoD/CVE
- **Dr.S.Hariswaran**
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.

AWARD/RECOGNITION

The Department of Civil Engineering has earned a prestigious honor, receiving the **"Excellence in Civil Education"** Award at the 10th Construction Industry Awards 2024 organized by the Construction Academy (South) and Kattumana Thozhil Publications. The award was presented at a ceremony held at The Music Academy in Royapettah, Chennai on 29.03.2025.



AWARD/RECOGNITION

- **Dr.R.Kumutha, Professor & Head** has been nominated by the Director, CSIR-Structural Engineering Research Centre, Chennai , as a **Member of the Selection Committee** for the selection of Junior Research Fellow & Project Associate through an interview held on Tuesday, the 04th March 2025.
- **Dr. R. Kumutha, Professor & Head**, acted as a **Session Chair** in the 6th International Conference on Sustainable Environment and Civil Engineering (ICSECE-2025) organised by the Department of Civil Engineering, Easwari Engineering College, Ramapuram on 28th March 2025 (Online mode).
- **Dr.S.Hariswaran, Assistant Professor** received the **Best Paper Award** for the paper titled “Behavior of Single Pile Contains Segregation Defect along the Pile under the Lateral Loading in Cohesionless Soil” presented at the 2nd International Conference on Civil Engineering Innovative Development in Engineering Advances (ICC IDEA 2025) organized by the SRM Institute of Science and Technology, Kattankulathur.



RESEARCH ACTIVITIES

- An abstract titled "**Studies on the properties of geopolymer mortars**" with recycled fine aggregates authored by **Dr.R.Kumutha**, Professor & Head/Civil, **Dr.S.Maheswaran**, **Mr.S.Sundar Kumar** and **Ms.T.Thanusiya** of CSIR-SERC has been published in the Souvenir of the National Conference on Sustainable Science and Technology for Viksit Bharat organised by CSIR-Institute of Minerals and Materials Technology, Bhubaneswar, Odisha. The paper was presented in the conference by Dr. S. Maheswaran, Senior Principal Scientist, CSIR-SERC, and the Mentor, TARE Project.
- **Dr.S.Hariswaran**, Assistant Professor presented a paper titled "**Behavior of Single Pile Contains Segregation Defect along the Pile under the Lateral Loading in Cohesionless Soil**" in the 2nd International Conference on Civil Engineering Innovative Development in Engineering Advances (ICC IDEA 2025) organized by the SRM Institute of Science and Technology, Kattankulathur from 20.03.2025 to 22.03.2025.
- **Mr.G.Arun**, Assistant Professor along with **Mr.R.Rashik Ahmed**, Final Year Civil Engineering student presented a paper titled '**Design of Rainwater Filtration System**' at the 6th International Conference on Sustainable Environment & Civil Engineering, organized by Easwari Engineering College, Ramapuram, Chennai held on 27.03.2025 and 28.03.2025.

RESEARCH ACTIVITIES

- **Mr.A.Vijay Vignesh, Assistant Professor, R.B.Yugheswaran, A.Jai Siddarth, E.Pavithran** of Third Year Civil Engineering students presented a paper titled **“Value Engineering for the Sustainable growth of the Construction Projects”** at the 6th International Conference on Sustainable Environment & Civil Engineering, organized by Easwari Engineering College, Ramapuram, Chennai held on 27.03.2025 and 28.03.2025.
- **Mr.R.Harish Kannen and Mr.M.Kishore** of Final Year Civil Engineering students presented a paper titled **“Utilization of Agro-Waste Fibre in the Development of Bricks – A Review”** at the 6th International Conference on Sustainable Environment & Civil Engineering, organized by Easwari Engineering College, Ramapuram, Chennai during 27.03.2025 to 28.03.2025.
- **Mr.S.Aadeshwar and Mr.A.S.Kalicharan** of Final year Civil Engineering students presented a paper titled **“Study of Green corrosion Inhibitor using Pearl Millet on Mild Steel in preventing Corrosion”** at the 6th International Conference on Sustainable Environment & Civil Engineering, organized by Easwari Engineering College, Ramapuram, Chennai during 27.03.2025 to 28.03.2025
- **Dr.P.Venkateswara Rao**, Professor presented a paper titled **“Experimental investigation on partial replacement of coconut shell as coarse aggregate in concrete”** in the ICMRTET 2025 conference organized by Smt.kamala and Sri Venkappa.M Agadi College of Engineering & Technology, Lakshmeswar, Karnataka, India on 28.3.2025.

INDUSTRY INTERACTION

INDUSTRIAL VISIT

The students from Second Year Civil Engineering visited the **CMWSSB-Chembarambakkam Water Treatment Plant** on 19.03.2025. Students visualized the various stages of water treatment through this visit. **Dr.M.Selvakumar**, Associate Professor and **Mr.R.Mathiyazhagan**, Assistant Professor arranged and coordinated the visit.



INDUSTRY INTERACTION

INDUSTRIAL VISIT

The students from Third year and First year Civil Engineering visited **Schwing Stetter India**, Cheyyar - Kanchipuram Rd, Cholvaram on 27.3.2025 to explore the world class concreting and construction Equipment manufacturing factory. **Dr.R.Sathia**, Associate Professor and **Mr.G.Arun**, Assistant Professor accompanied during the visit. The visit was arranged by **Mr. N.G. Muralidharan**, Chairman, ICI Chennai Centre who is also a Visiting Professor of the Department.



INDUSTRY INTERACTION

INDUSTRIAL VISIT

The students from Third year Civil Engineering participated in the “**Masterclass**” conducted for students at the “Steel Construction Expo” on 15.03.2025 at Chennai Trade Centre. **Dr.Ruby Freya**, Assistant Professor accommodated the students during the visit.



FACULTY CONTRIBUTIONS

- **Dr.R.Sathia**, Associate Professor attended 5 day Online Faculty Development Program on “**Building Resilient Infrastructure for Natural Disasters and Climate Change**” from 03.03.2025 to 07.03.2025 organized by the Department of Civil Engineering, SVCE.
- **Dr.Ruby Freya**, Assistant Professor completed a FDP on “Disaster Management and Resilient Infrastructure” from 24.03.2025 to 28.03.2025 conducted by NITTTR, Chennai.
- **Mr.A.Vijay Vignesh**, Assistant Professor delivered a Seminar on “**Construction Planning Scheduling and Control**” organized by the Department of Civil Engineering, SRM Institute of Science and Technology, Ramapuram Chennai on 10.03.2025

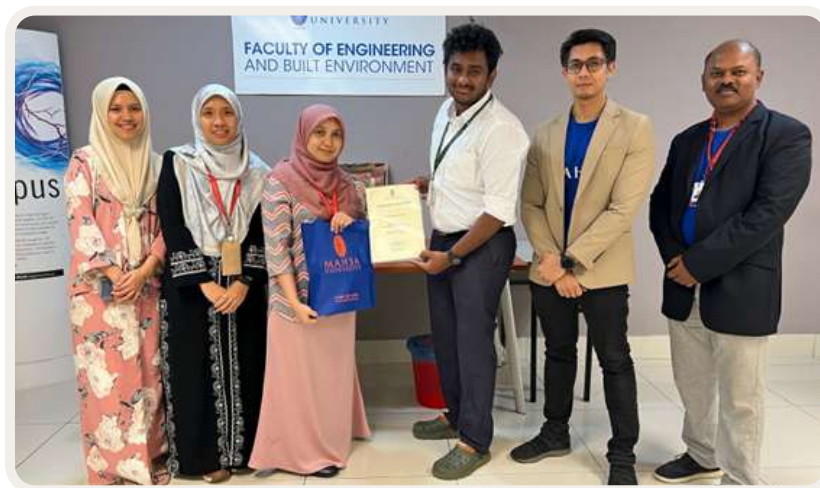


FACULTY CONTRIBUTIONS

- **Dr.Ruby Freya**, Assistant Professor, **Mr.G.Arun**, Assistant Professor, **Mr.A.Vijay Vignesh**, Assistant Professor have completed the training on "**Project Management using MS Project**" conducted by Infinity PMC Solutions Pvt Ltd. from 12.03.2025 to 14.03.2025 at Sri Venkateswara College of Engineering, Sriperumbudur.
- **Dr.R.Sathia**, Associate Professor, has attended two day faculty student development program (FSPD) on "Structural Engineering and Concrete concepts" organized by PALS in online mode from 26.03.2025 to 27.03.2025.
- **Mr.G.Arun**, Assistant Professor, completed the course 'Technical Drawing and Graphics' offered by L&T EduTECH on Swayam Plus on 16.03.2025.
- **Mr.R.Kalaivannan**, Assistant Professor has participated in a 40 hours Faculty Development Program on "Optimization Techniques and their Applications in Water Supply Systems Design", Sponsored by the Ministry of Electronics and Information Technology (MeitY), GoI, Organized by E and ICT Academy, NIT Warangal, Telangana, in association with NIT Kurukshetra, Haryana, during 20.01.2025 to 30.01.2025. He had received his certificate of completion on 24.03.2025.
- **Ms.K.Revathi**, Lab Assistant has successfully completed the training on "Project Management using MS Project" conducted by Infinity PMC Solutions Pvt Ltd. from 12/03/2025 to 14/03/2025 at Sri Venkateswara College of Engineering, Sriperumbudur.

STUDENT'S HIGHLIGHTS

Mr.R.Rashik Ahmed from Final Year Civil Engineering has successfully completed his 8th Semester Project Work on **"Water Purification System Using Coconut Shell Activated Carbon"** at MAHSA University, Malaysia under the supervision of **Dr. Hayana Dullah**.



STUDENT'S HIGHLIGHTS

Ms.R.Priyadarshini & Mr.B.Ragavendra, Final Year Students of Civil Engineering cleared the **GATE 2025 Exam** with a score of 389 and 366.



STUDENT'S HIGHLIGHTS

- **Mr.A.Keerthivasan** from Second year Civil Engineering took part in SVCE cricket team and the team got **second place** in DR.A.C MUTHAIH ROLLING TROPHY inter college cricket tournament conducted by SVCE from 3.03.2025 to 10.03.2025.



- **Ms.A.Monisha shree, D.Ashithaa, M.Namridha** and **T.M.Prathiba** from first year Civil Engineering attended the seminar on **“Building her future : Women in civil engineering”** at Crescent Institute of science and technology on 6.03.2025.
- **Ms.R.Bhavadhaarini** from first year Civil Engineering participated in the Quiz Competition **“Sustainability Trivia”** held on 10.03.2025 conducted by Auger Engineers, Chennai
- The students from Third Year Civil Engineering attended the **Mock Placement Interview** through Online mode which organized by the Placement Cell, SVCE in association with FORESE on 16.03.2025

STUDENT'S HIGHLIGHTS

The Department of Civil Engineering celebrated the **“Women’s Day 2025”** on 18.03.2025 by organizing the **“Canvas Doodling Event”** and **“Mehendi Competition”**



Canvas Doodling Event

I Prize

Ms. R.Sumaiya, II year

Ms. K.Vishvapriya, I year

II Prize

Mr. A.Jai Siddarth, III year

III Prize

Ms. R.Rekha

Ms. S.Muthu Mathi, III year



Mehendi Competition

I Prize

Ms. Srinidhi

Ms. H.Sandhya Shree - I year

II Prize

Ms. Rekha - II year

Ms.A.Monisha Shree - I year

III Prize

Ms.V.Harini - I year



STUDENT'S HIGHLIGHTS

- Third Year students of Civil Engineering took part in the **“Women’s Day Celebration”** organized by the SVCE on 20.03.2025.



- **Mr.N.G.Aravindakshan** from Third Year Civil Engineering and **Mr.S.Abhijeet** from First Year Civil Engineering got **“Fourth Place”** along with their team in the SVCE Intramurals - Football Tournament” which conducted by SVCE on 20.03.2025.
- **Mr.S.Abijeet** from First Year Civil Engineering and their team got **“Second Place”** in the “SVCE Intramurals - Football Tournament” which conducted by SVCE on 20.03.2025.



STUDENT'S HIGHLIGHTS

- **Ms.R.Lomina** from Final Year Civil Engineering attended the interview organized for the “**Outstanding Civil Engineering Student Award 2025**” on 24.03.2025. The panel comprises Dr.R.Kumutha, Professor & Head, Dr.M.Selvakumar, Associate Professor, Dr.R.Sathia, Associate Professor and Dr.Ruby Freya, Assistant Professor.



- **Mr.S.Kesava prakash** from Second Year Civil Engineering participated in a seminar on Entrepreneurship in Defense Services at NCC Gp HQ, Trichy, in collaboration with NIT Trichy and Bridge Bharat Council on 25.03.2025. He has promoted from **NCC Cadet to Lance Corporal**.

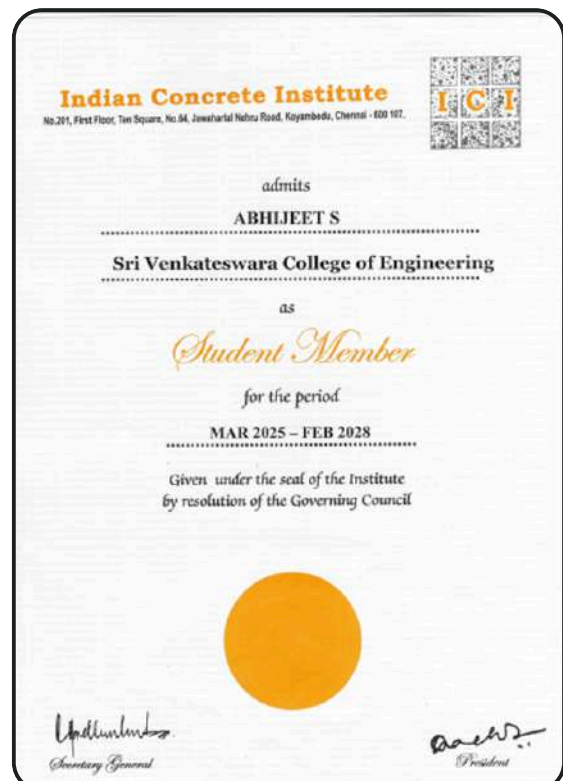


STUDENT'S HIGHLIGHTS

- **Mr.K.Kabilan** from Second Year Civil Engineering undergone **Innovation Ambassador (IA) training Foundation Level** conducted in online by MoE's Innovation Cell & AICTE during the IIC calendar year 2024-25.



- All the students from First Year Civil Engineering have enrolled for **Indian Concrete Institute (ICI) - Student Membership** for the period March 2025 - February 2028.



PROGRAMS ORGANISED

FACULTY DEVELOPMENT PROGRAM

- **Dr.R.Kumutha**, Professor & Head and **Dr.Ruby Freya**, Assistant Professor conducted a 5 day Online Faculty Development Program on **Building Resilient Infrastructure for Natural Disasters and Climate Change** from 03.03.2025 to 07.03.2025.

RESOURCE PERSONS	RESOURCE PERSONS
Dr. Subramanian N Independent Structural Engineer, Consulting Engineer and Author, USA	Dr. Mohit Verma Principal Scientist Advanced Seismic Testing and Research (ASTaR) Laboratory CSIR - Structural Engineering Research Centre, Chennai
Prof. S. K. Singh Chief Scientist & Professor, AcSIR Coordinator & Scientist Incharge, CBRI Delhi Centre CSIR-Central Building Research Institute Roorkee, (Uttarakhand) Ministry of Science & Technology, Govt. of India	Dr. Bharathi Priya C Principal Scientist Advanced Seismic Testing and Research (ASTaR) Laboratory CSIR - Structural Engineering Research Centre
Dr K Muthumani Former Chief Scientist & Head, CSIR -SERC Managing Director Structflix Structural Concepts Private Limited	Dr. Sreevalsa Kolathayar Associate Professor Department of Civil Engineering National Institute of Technology Karnataka, Surathkal
Prof. Devesh Wallia Professor/Environmental Studies, North-Eastern Hill University Shillong, Meghalaya	Dr.R.Ponnudurai Associate Professor, Department of Civil Engineering Thiagarajar College of Engineering, Madurai
Dr.K.Muthukumaran Professor and Head Department of Civil Engineering National Institute of Technology, Tiruchirapalli	Dr. R.Kumutha Professor & Head Department of Civil Engineering Sri Venkateswara College of Engineering
	Dr.Ruby Freya Assistant Professor Department of Civil Engineering Sri Venkateswara College of Engineering

FACULTY DEVELOPMENT PROGRAM

Shear Wave (S-Wave) Animation

Deformation propagates. Particle motion consists of alternating transverse motion. Particle motion is perpendicular to the direction of propagation (transverse). Transverse particle motion shown here is vertical but can be in any direction. However, Earth's upper crust is called mostly vertical (Z) or the vertical plane) or horizontal (SH) shear motions. Material returns to its original shape after wave passes.

SESSION 1

Representation of seismic action

$\Rightarrow F = m \times a = (W/g) \times (A_s/g)$

$\Rightarrow W = \text{Seismic Weight}$

SESSION 2

Sustainable Materials?

- Materials that have minimal impact on environment
- Reduce energy consumption in its production
- Using renewable and recyclable materials

To conserve natural resources

- To reduce ecological impacts
- To reduce energy usage
- Greater use of alternative materials
- Protection of environment
- Reduction life-cycle cost analysis

SESSION 3

Examples of Base Isolated Systems

Base isolated LA City Hall

Base isolator being installed during a seismic event. These isolators are placed in any direction of motion.

San Francisco-Vietnam International Terminal is the first major base isolated building.

Base isolated building in New Zealand is another example.

SESSION 4

Shake Table Testing

SESSION 5

SESSION 6

Background of Tuned Mass Driver

Primary Structure

- Total mass = 1000 kg
- Stiffness = 1.40E6 N/m
- Damping = 1.2E3 N-s/m
- Frequency = 8.00 Hz

Mass Driver

- Mass = 1000 kg

$\omega = \sqrt{\frac{k}{m}} = \sqrt{\frac{1.40 \times 10^6}{1000}} = 37.42 \text{ rad/s}$

$\omega_n = \sqrt{\frac{k}{m}} = \sqrt{\frac{1.40 \times 10^6}{1000}} = 37.42 \text{ rad/s}$

$\omega_d = \sqrt{\omega_n^2 - \frac{c^2}{4m^2}} = \sqrt{37.42^2 - \frac{(1.2 \times 10^3)^2}{4 \times 1000^2}} = 37.42 \text{ rad/s}$

SESSION 7

SESSION 8

Hazard versus Disaster

SESSION 9

SESSION 10

Sri Venkateswara College of Engineering

An Overview on Demountable Concrete Systems

Dr. R. Kumutha
Professor & Head, Department of Civil Engineering
Sri Venkateswara College of Engineering Sripurambudur

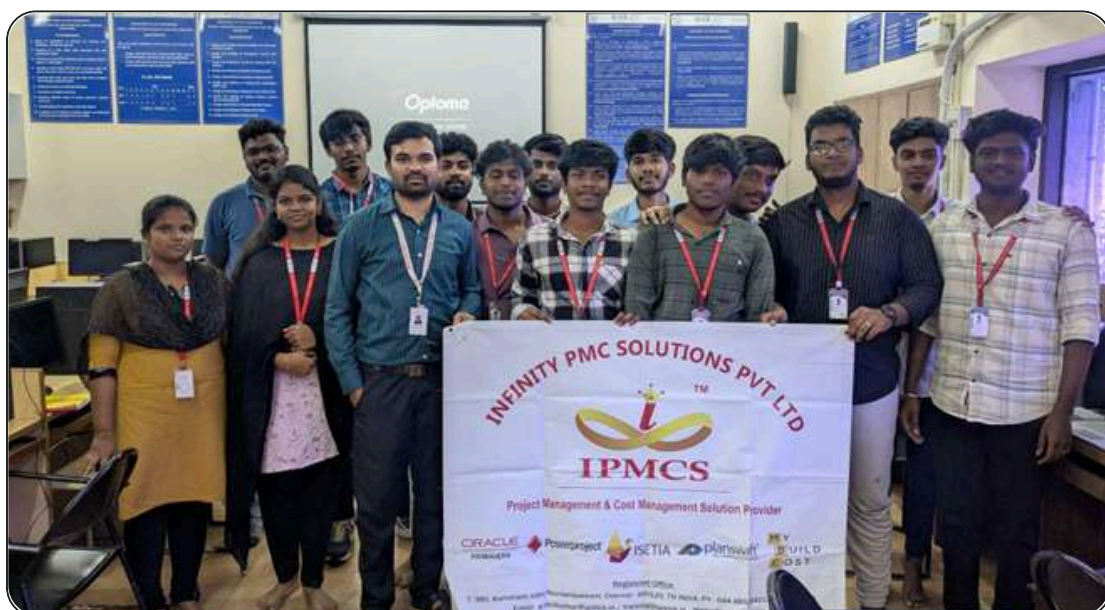
Online Faculty Development Program on
Building Resilient Infrastructures for Natural Disasters and Climate Change
3rd March to 7th March 2023

CERTIFICATION COURSE

A Certificate Course on "**Project Management using MS Project**" was organized by the Department of Civil Engineering in association with the Infinity PMC Solutions Pvt Ltd. from 12.03.2025 to 14.03.2025 for all Third Year students. Course coordinated by **Mr.A.Vijay Vignesh**, Assistant Professor.

Course Outcomes

- Create and manage project enterprise structure within the MSP database.
- Estimate the required man-hours for various activities in a construction project by resource assignment.
- Analyze critical paths to effectively manage project timelines and resource utilization within the software
- Update the baseline program for monitoring slippage and delays.
- Generate project progress reports using filters.



WORKSHOP

A Workshop on "Understanding and Applications of VDC/BIM in Civil Engineering" was organized by the Department of Civil Engineering on 19.03.2025 for all the Third Year students. This Workshop was organized by **Dr.R.Kumutha**, Professor & Head & Coordinated by **Mr.A.Vijay Vignesh**, Assistant Professor.

Speaker Details

Mr.Pradeep Narayanan,
BIM Head,
DE NOVO SOFTWARE
SOLUTIONS,
Chennai



PROGRAMS ORGANISED

GUEST LECTURE

A Guest Lecture on "**Green Buildings - Innovations and Opportunities**" was organized by the Department of Civil Engineering in association with the Indian Concrete Institute (ICI) - Student Chapter on 21.03.2025 for all Second and Third Year students. This Workshop was organized by **Dr.R.Kumutha**, HoD& Prof. & Coordinated by **Mr.A.Vijay Vignesh**, Assistant Professor

Speaker Details

Er.G.Jayarajan,
Chief Engineer - Civil
TNEB (Rtd.)



POSTER PRESENTATION EVENT

A Poster Presentation Event was organized by the Department of Civil Engineering in association with the Indian Concrete Institute (ICI) - Student Chapter on the eve of **National Safety Day 2025** on 04.03.2025. This event was organized by **Mr.A.Vijay Vignesh**, AP. Presented posters were judged by **Ms.A.C.Vijaya Lakshmi**, Assistant Professor, Department of Chemical Engineering, SVCE.

Winners

First Place:

YUGHESWARAN RB - III Year
PAVITHRAN E - III Year

Second Place:

ARIVUMANI S - III Year
JAI SIDDARTH A - III Year
REKHA R - III Year
MOHANA PRIYA S - III Year

Third Place:

HARINI V - I Year
SHRINIDHI R S - I Year
JOSHUA SAMUEL E - I Year
SANDHYA SHREE H - I Year



SVCE INNOVATES 2025

Student's Research Day - SVCE Innovates 2025 was conducted on 28.03.2025. Students have exhibited their innovative ideas and prototype covering various streams of Civil Engineering. **Prof T.Meena**, Associate Professor, Vellore Institute of Technology evaluated the participants through online.

Winners

First Prize

(Rs. 1000 Cash Prize with Certificate)

S.Aadeshwar - IV Year

A.S.Kalicharan - IV Year

Mentor: Dr.Ruby Freya, AP

Second Prize

(Rs. 700 Cash Prize with Certificate)

V.Harini - I Year

H.Sandhya Shree - I Year

Mentor: Mr.G.Arun, AP

Third Prize

A.Harini - IV Year

S.L.Vishvanathan - IV Year

Mentor: Dr.R.Kumutha, Professor



PARENT TEACHERS MEETING

The parent - Teachers meeting for junior and senior students of Department of Civil Engineering was conducted on 29.03.2025. Parents visited the department and met the respective faculties along with their ward. This meeting enriches the teaching learning process.



INFRASTRUCTURE UPGRADATION

- A 50 Tonne Loading Frame with other accessories (Hydraulic Jack, Load Cell, Hydraulic Pump, Hose) worth **Rs. 8,23,711/-** was purchased for the **Research Laboratory**



- 18 Nos of Mortar Moulds (70.6 x 70.6 x 70.6 mm) worth **Rs. 25,063/-** was purchased under TARE Project Grant of Dr.R.Kumutha.

ALUMNI MESSAGE

SVCE is a well-known institution that offers quality education and growth opportunities. The Civil Engineering department provides strong technical knowledge with practical learning. All the faculties in the department provides constant support to the students to excel in academic as well as in cocurricular activities.



Mr.G.Santhosh B.E., MBA
Managing Director,
Arkis Home Construction
&
Divyam Cafe & Coffee House.
Puducherry.
(2015-2019 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)

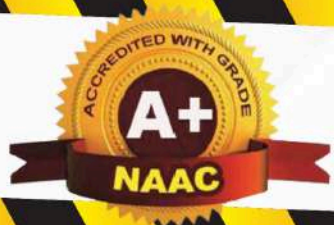
Civil Engineering graduates during the first few years of graduation will:

- 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

-
- Youtube Channel: <https://www.youtube.com/@svcedepartmentofcivilengin2935>
 - LinkedIn: <https://shorturl.at/nvOQ1>
 - 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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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

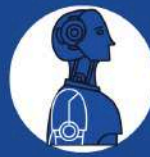
MINOR DISCIPLINES



**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



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.