

CONNECTIONS November 2024 NEWSLETTER

Volume 7, Issue 11











Chennai

EDAÎ



Know more about us







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- Dr.R.Kumutha Chief Editor & HoD/CVE
- Dr. Ruby Freya 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.

FROM THE EDITORIAL DESK

We are delighted to bring you this edition of our department newsletter, a platform that highlights the vibrant activities, achievements, and initiatives of our students, faculty, and collaborators. Each section is a testament to the hard work and dedication that drive our department forward, from academic pursuits to placements and industry engagements.

This newsletter is not just a chronicle of events but a celebration of the collective spirit that makes our department unique. We hope you find inspiration and pride in these pages as we continue to strive for excellence together.



PARENT TEACHERS MEETING

• The Parent Teachers Meeting was held on 23rd November 2024 exclusively for the first year students. Parents of 22 students had visited. Head of the Department addresses the parents in common. The parents along with students interacted with all the faculty members.







CAMPUS OPPORTUNITIES

• Ms. Abinaya S, Ms. Harini A, Ms. Kaviya R, Ms. Lomina R, Ms. Nithila M and Ms. Priyadarshini R have been placed in Amrit Engineering with a salary package of 3.5 LPA.



- Ms.Lomina R has been placed in Infosys as a Systems Engineer with salary package of 3.6 LPA.
- Remedial classes were conducted regularly for the needy students for the upcoming Formative Assessment Tests.





CAMPUS OPPORTUNITIES

The following students are the Awardees of Management Scholarships - 2024-25 ODD Semester

- Merit Category
 Jithendar Krrish S, II year
 Rekha R, III year
 Lomina R, IV year
- Merit cum Means Category Srivasan J, II year
 Gururaje M, III year
 Raghavendra B, IV year
- Sports Category
 Aravintakshan N G, III year
 Jai Hanish Bose C, III year
 Kabilan G, II year
- Books and Instruments (Merit) Category Bhakya Lakshmi B , II year Yugheswaran R B , III year
- Books and Instruments (Merit) Category
 Kesava Prakash S, II year
 Kumaran S, IV year



INDUSTRY-ACADEMIA COLLABORATION

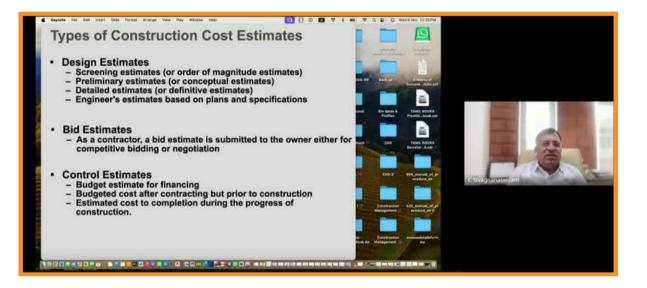
- Third year students Ms. M.Gururaje and Ms. A.Mathimitha had applied for internship at PWD and they got approval for the same. They will undergo training for a period of 7days starting from 30.12.2024 to 06.01.2025.
- Mr. Muralidharan N.G. Chairman Indian Concrete Institute (Chennai Centre), Visiting Faculty of the Department handled classes for the students of Vth semester for the course CE22021 Concrete Technology.

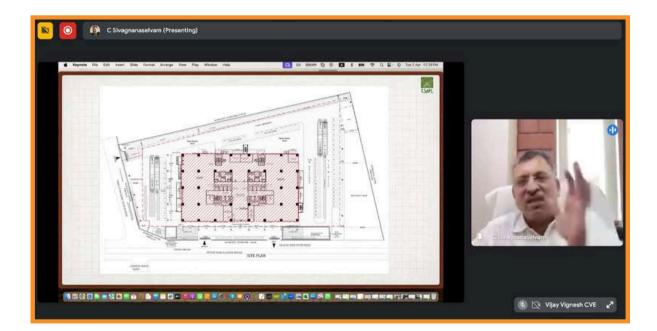




INDUSTRY-ACADEMIA COLLABORATION

The Partial Content Delivery by Industrial Expert, Mr. C. Sivagnanaselvam, Founder & Chairman, CS Group of Companies, was organised for VII semester students for the course CE18701-Principles of Construction Management.







The following students have successfully completed a 12 week "Municipal Solid Waste Management" NPTEL Course on during July to October 2024.



Indias texture of Technology D

y the certificate

3rd year

• Mr. Yugeshwaran RB and Mr. Pavithran E, third year students, participated in the Curtain raiser event of India International Science Festival (IISF) 2024 at SERC on 7th November.



• Mr. Anbarasan A, Mr. Lakshmanan S P and Ms. Monisha Shree A of first year attended the Event on "Siddha Medicine for lifestyle-oriented Disorders and Noncommunicable Diseases" conducted by YRC-SVCE unnit on 18th November 2024.



 Mr. Yugheswaran RB (III Year student) has successfully qualified in the NCC Certificate "B" Examination and secured "B" Grade held in 17.10.2024 under the Ministry of Defense, Government of India.

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• Mr. Rashik Ahmed R, final year student, was a part of Ball badminton team and won the third prize in Anna University Ball Badminton Tournament 2024-25.



• Mr. Kabilan G and Mr. Keerthivasan, second year students, were a part of Handball team and won the third prize in Anna University Handball Tournament 2024-25.





PROGRAMS ORGANISED

- The Civil Engineering Association (CEA) organized the "Let's Get Civilized" event for first-year students on November 7, 2024. All students actively participated in the event. The following team emerged as the winners of the competition:
 - Ms. Harini V.
 Ms. Vishvapriya K.
 Ms. Karthiga R.
 Ms. Namridha M.
 Ms. Srinidhi R.S.
 Ms. Sandhya Sree H.



• The Department of Civil Engineering conducted a Virtual Lab Awareness Programme on 07-11-2024, to enhance practical learning through digital simulations. This awareness programme aimed at familiarizing faculty, lab instructors, and students with the Virtual Lab.





FACULTY CONTRIBUTIONS

- Dr. R. Kumutha, Professor and Head, attended an online Workshop on " Extreme Leadership: Pushing Limits and Driving Change" organised by NPTEL+, E-Learn, IIT Madras on 30th November 2024.
- Dr. R. Kumutha, Professor and Head, has reviewed a paper titled "Penetration inhibitor potential of ceramic wastecement composites exposed to coastal environments" for the Journal Advances in Cement Research, ICE Publishing on 18th November 2024.
- Mr. A. Vijay Vignesh, Assistant Professor, has attended the Faculty Development Program (FDP) on "MODERN CIVIL ENGINEERING TECHNIQUES" organised by PALS-INITIATIVE from 20.11.2024 to 22.11.2024.
- Dr. R. Kumutha, Professor and Head, participated in the Curtain raiser event of India International Science Festival (IISF) 2024 at SERC on 7th November.



INFRASTRUCTURE UPGRADATION

Equipment worth Rs.79,588 was purchased for the "Structural and Applied Mechanics Laboratory"

1) Bending moment and Shear force apparatus

2) Pin jointed truss apparatus







THE SOCIAL SCRIBE

Ms. Bhavadhaarini R of first year is active in content writing in social media.

		aarini Raamanaathan • 1st ering Enthusiast Science Explorer NCC Achiever	···· Tech Communi
	Millions of years to	learn this	
		d little nuances of your life, if you've noted, I've not noted, you may see this as a brilliar	Additional Additional Activation and the second second second
	may be , it always ha overall on the surfac	invention however 👍 good it may be, how as an opposition, or other discovery may su ce, no one accepts it and stops discovering you worry of others to recognise your work	rrpass this one, but upon it, or stops 😰
		members the upcoming topic and forgets t ation, because you will be forgotten one da	
	Keep discovering, in Make your life 🎺 y	venting, thinking 😰 vour own	
	Because 🦨 life is no	ot 🚫 same for every one every time, enjoy	😸 whom you are!!!!
	👅 medals in 100m	sain Bolt 🤸 as the fast 🎽 runner in olymp and 200m races, but do we all remember o I 🤒 medalist in same running 🎽 race,but	of Mofra, he is even
	Keep rocking, and d	on't forget this 🧳 post and me 😄	
Bhavadhaarini Raamanaath Out Engineering Enthusiat Scance Dir * © Here's how I demonstrate environmental I life. #GreenerTogether #LinkedInNewsInd	xplorer NCC Achiever Tech Communi rsponsibility in my daily	Bhavadhaarini Raamanaathan - tit Col Engineering Enthuliat Science Explorer NCC Achiever Tech Communit. Insect 19 communication. Hey linkedin family I welcome y/all once again	Bhavadhaarini Raamanaathan + 1n Chil Frgioeering Finhunast (Sonne Explorer NCC Adhever Tech Com Sa + S Fate of middle class people 3 I would like to share this := with my Linkedin family 19
Due to the higher risk of rising environmen regarding environmental responsibility	ital concerns 🥃 I wish to share my views	Eve done a project which took me to the national level science exhibition competition Eve done my project on The Insect Communication	A story to you all guys This thought 💿 suddenly came into projection into my little brain 🍕 _
It's a sort of responsibility to which all of u	are accountable and answerable	rise done my project on the writibect communication	That middle class people are undergoing a lot of suffering

I studied based on environmental responsibility from IIT Madras on the topic Energy Literacy Training" and scored 92 percent and did an interesting project which eatures a new concept known as Passive buildings...

This building $\frac{1}{20}$ is becoming predominant in many foreign countries and reduces carbon footprint fy...

In addition to deforestation and other activities which humans does to the nature this carbon footprint fy plays a major pivotal role... and eliminating this carbon footprint is our main concern through which we could save our planet...

I practiced and incorporated 3R (Reduce, Reuse, Recycle 🛆)in my daily life 🧈

Join hands to improvise our planet...

 \equiv

Energy Swaraj Foundation

ally insects communicate using infra sonic sound waves

My aim was to translate infra sonic sound waves into English lish language, and I got to know later on that it was not possible with today's machines and I really see my project as a great piece of master work as I worked on such a project...

I thought of doing this because we are suffering from sustainable issues and if we could communicate with insects they could really help us in dropping the value of the various impactful problems that affect our globe...

So the process of my project was that first I recorded their sound waves, and amplified it (of course you gotta do this because their voices are very low) and projected it to the judges and they just told me you've done a great \cong job and its really interesting \cong one

wish I've done a great job...

ure you are going to like this and if you do so drop a comment 🄶 below... ar



This is the fate and we are born to overcome it and this situation is given to us as fate because God has got to know that we possess enough willpower and determination to do it...

I + 1st Asker | NOC Achiever | Tech Communi.

Yeah and that's true...

pay for your work .

their family, friends, parents etc....

Think C of this situation and you would also realise the same... Middle class people are the people who work for rich 😓 people to fulfill their dreams 📷 not their own....

hey sacrifice their entire 🖈 life by working for these rich 🧔 people but forget

These rich 🜻 people pay you money 🍐 to sacrifice your life to them, they don't

Roads. Airports . Hospitals are all built for them and we are just a part of it...

Middle class people have to work hard to either get rich 😃 or to study better...

The choice is yours. ___ but you have to choose either ane__ or else you would be continuously working $\frac{1}{2}$ and they would continuously give you work___

PROUD REFLECTIONS : ALUMNI TESTIMONIAL



Mr. Thanigaimurugan A 2015-19 Batch Junior Engineer Central Public Works Department Chennai

I studied BE in the batch of 2015-2019. In my final year, our Project team were involved in the design and construction of the Pergola in the pathway of Civil Engineering Department at campus. It was a great learning experience. I cleared GATE 2020 and Joined my Masters in Structural Engineering in 2020 and then I got selected in Central Public works Department as Junior Engineer through Staff Selection Commission.

SVCE is one of the best colleges for past many decades. Apart from education, It is very good place for developing oneself in all aspects professionally in a nice environment. Civil Engg Department is so cool with excelling staffs and guidance to study. Faculty members were very good in teaching many things apart from Academic curriculum like Govt Exams, Placements and other softwares etc..



PROUD REFLECTIONS : ALUMNI TESTIMONIAL



Mr. M. Jagadish Kumar 2009-13 Batch Cost Manager M/s Turner & Townsend Prvt. Ltd. Bangalore

Myself M . Jagadish Kumar, one among the SVCE 2009-2013 B.E Civil Engineering batch. After the keen interests in the estimation field, i started working for a Middle East based organisation and has been successfully delivering the Cost estimates for many High rise buildings, Infrastructure works, Island development projects at Oman, KSA and UAE.

SVCE is one of the finest colleges in the Tamil Nadu where the education and the other skills are equally taught. Also, Civil department has been giving the freedom and support to the students to learn and enhance their technical capabilities.

Always proud to be a SVCEian.

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 safety. and the cultural. societal. and environmental public health and 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)**
- select, and apply appropriate techniques, resources, and modern 5. Create. 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

- LinkedIn: <u>https://shorturl.at/nvOQ1</u>
- Instagram: <u>https://www.instagram.com/svce_civildepartment/</u>
- Twitter: <u>https://x.com/SVCE_Civil</u>
- Department Website: <u>https://www.svce.ac.in/departments/civil-engineering</u>

[•] Youtube Channel: https://www.youtube.com/@svcedepartmentofcivilengin2935



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.



CONTACT US

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

Specializations & Research Domains

- Structural Engineering
- 🤣 Transportation Engineering
- nvironmental Engineering 🤣
- 🤣 Construction Management
- 🤣 Water Resources Engineering
- 🧭 Geotechnical Engineering

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- 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



LOGISTICS & SUPPLY CHAIN MANAGEMENT



BUSINESS DATA ANALYTICS



FINTECH & <u>BLO</u>CK CHAIN

AND MANY MORE

HONOURS



Structural Engineering



Construction Management



Geotechnical Engineering



Geo-Informatics



Environmental Engineering



Transportation Engineering





DEPARTMENT OF CIVIL ENGINEERING



Programs Offered

B.E. Civil Engineering

M.E. (CEM)

Ph.D. Civil Engineering

Autonomous from 2016





2023-24

M.E. Construction Engineering and Management

ADMISSIONS OPEN for the AY 2025 - 2026

Sri Venkateswara College of Engineering (Autonomous) is a premier selffinancing 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

Established in

2008

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.



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.

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