



Sri Venkateswara
College of
Engineering

DEPARTMENT OF CIVIL ENGINEERING

CONNECTIONS

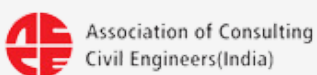
November 2024

NEWSLETTER

Volume 7, Issue 11



Dept. of Civil Engineering
Know more about us



Indian Concrete Institute





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EDITORIAL BOARD



- **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, Mr. Kumaran S, 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. Abinaya S



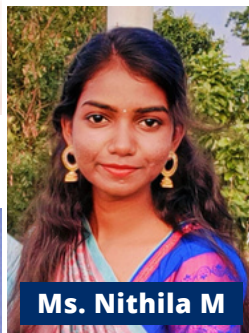
Ms. Harini A



Mr. Kumaran S



Ms. Lomina R

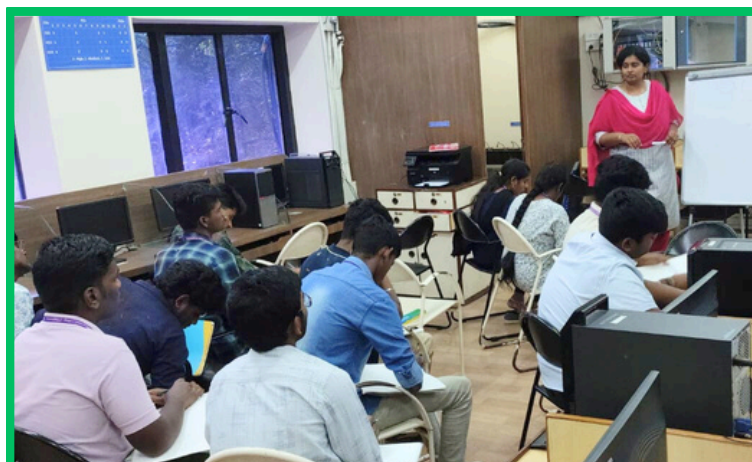


Ms. Nithila M



Ms. Priyadarshini R

- **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**

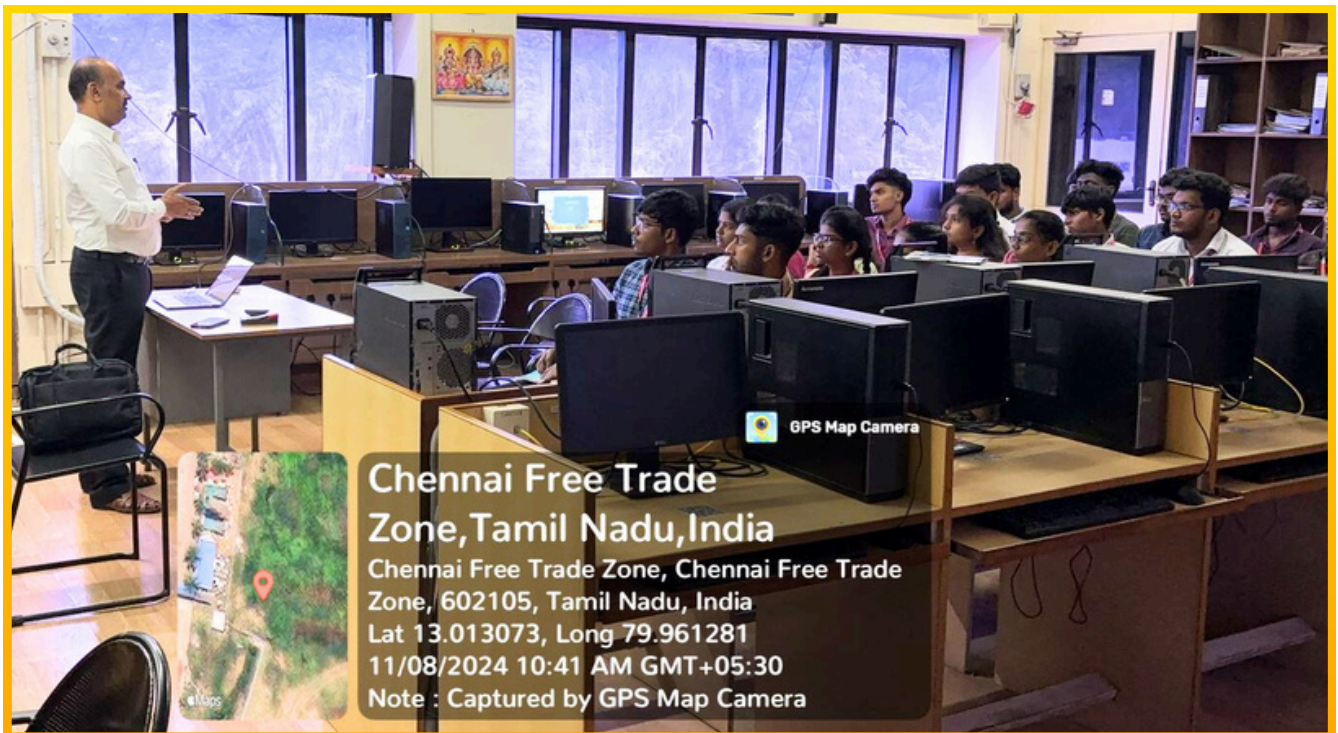
Kesava Prakash S, II year

Kumaran S, IV year



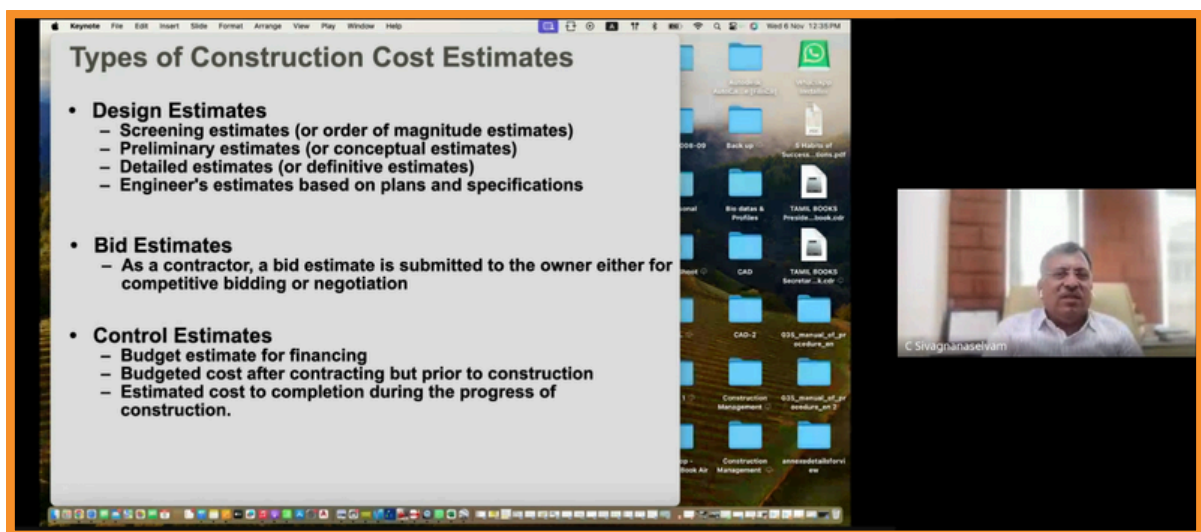
INDUSTRY-ACADEMIA COLLABORATION

- 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 7-days 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

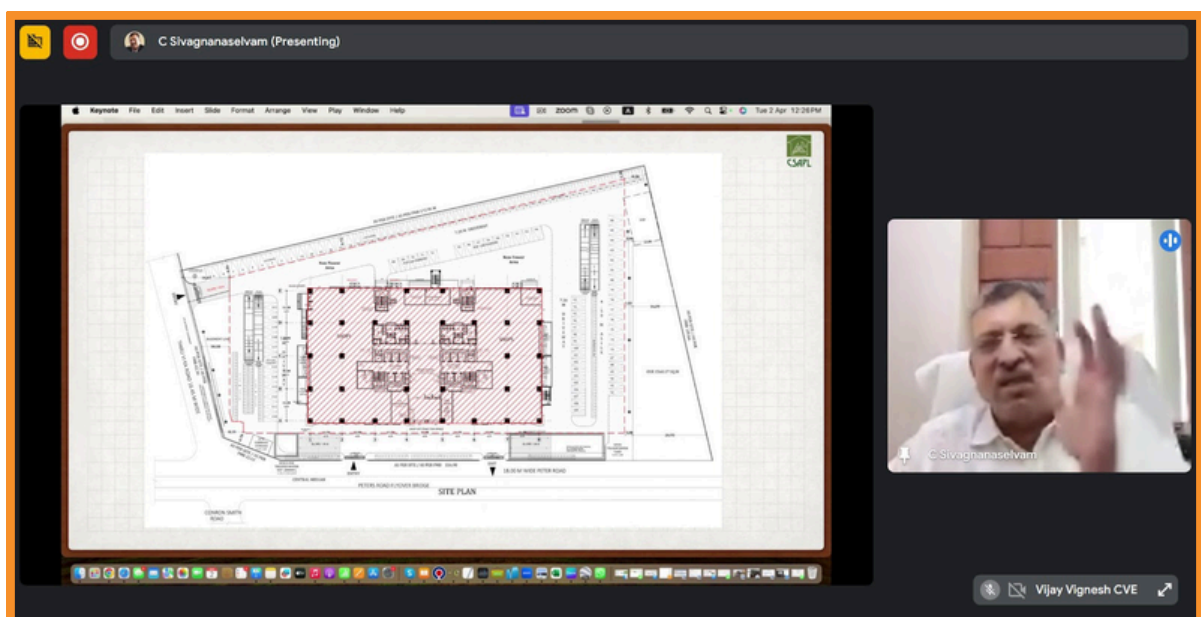
The Partial Content Delivery by Industrial Expert, **Mr. C. Sivagnanaselvam**, Founder & Chairman, CS Group of Companies, was organised for VII semester students for the course CE18701-Principles of Construction Management.



The screenshot shows a Zoom meeting interface. On the left, a presentation slide titled "Types of Construction Cost Estimates" is displayed. The slide lists three main categories of estimates: Design Estimates, Bid Estimates, and Control Estimates, each with sub-points. On the right, a video feed shows Mr. C. Sivagnanaselvam, the speaker, in a professional setting. The background of the Zoom window shows a desktop with various icons and a taskbar.

Types of Construction Cost Estimates

- **Design Estimates**
 - Screening estimates (or order of magnitude estimates)
 - Preliminary estimates (or conceptual estimates)
 - Detailed estimates (or definitive estimates)
 - Engineer's estimates based on plans and specifications
- **Bid Estimates**
 - As a contractor, a bid estimate is submitted to the owner either for competitive bidding or negotiation
- **Control Estimates**
 - Budget estimate for financing
 - Budgeted cost after contracting but prior to construction
 - Estimated cost to completion during the progress of construction.



The screenshot shows a Zoom meeting interface. On the left, a presentation slide titled "SITE PLAN" is displayed, showing a detailed architectural drawing of a building complex with various rooms and outdoor areas. On the right, a video feed shows Mr. C. Sivagnanaselvam, the speaker, gesturing with his hand. The background of the Zoom window shows a desktop with various icons and a taskbar.

SITE PLAN

STUDENTS HIGHLIGHTS

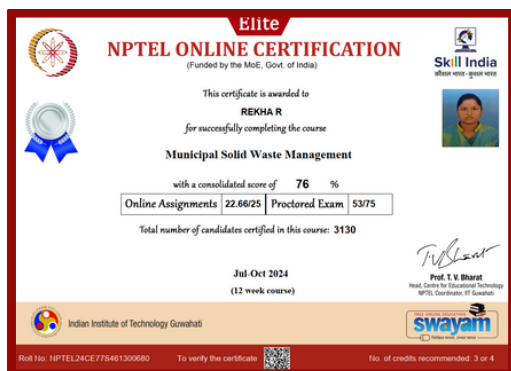
The following students have successfully completed a 12 week **NPTEL Course** on "Municipal Solid Waste Management" during July to October 2024.



ELITE



ELITE + SILVER



STUDENTS HIGHLIGHTS

- **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 Non-communicable Diseases” conducted by YRC-SVCE unit on 18th November 2024.

STUDENTS HIGHLIGHTS

- **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.

   DGNCC/TNP&AN/B/2024/11540

प्रमाण पत्र
CERTIFICATE-B

सं. No. TN22SDA670345 रैंक Rank CDT

नाम Name YUGHESWARAN RB सुपुत्र / सुपुत्री Son/Daughter of BABU P

यूनिट Unit 1 (TN) CTC NCC जन्म तिथि Date of Birth 05-FEB-2005

राष्ट्रीय कैडेट कोर निदेशालय
NCC Directorate TAMILNADU, PUDUCHERRY & ANDAMAN NICOBAR

प्रमाणित किया जाता है कि ऊपरलिखित कैडेट ने रक्षा मंत्रालय, भारत सरकार के प्राधिकार के अधीन सन् 20... में हुई प्रमाणपत्र 'बी' परीक्षा... में पास कर ली है।
This is to certify that the above mentioned Cadet has passed the Certificate 'B' Examination in... grade held in 20... under the authority of Ministry of Defence, Government of India.

TN, P & AN / B Cert / Army /

क्र. सं. Ser. No. 00872

स्थान Place Chennai-600 010

दिनांक Date 17 OCT 2024

 (PG Prabhu)
Group Captain
Group Commander
NCC Group HO Madras 'F'

ग्रुप कमांडर, राष्ट्रीय कैडेट कोर
Group Commander, National Cadet Corps

STUDENTS HIGHLIGHTS

- **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:

1. **Ms. Harini V.**
2. **Ms. Vishvapriya K.**
3. **Ms. Karthiga R.**
4. **Ms. Namridha M.**
5. **Ms. Srinidhi R.S.**
6. **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

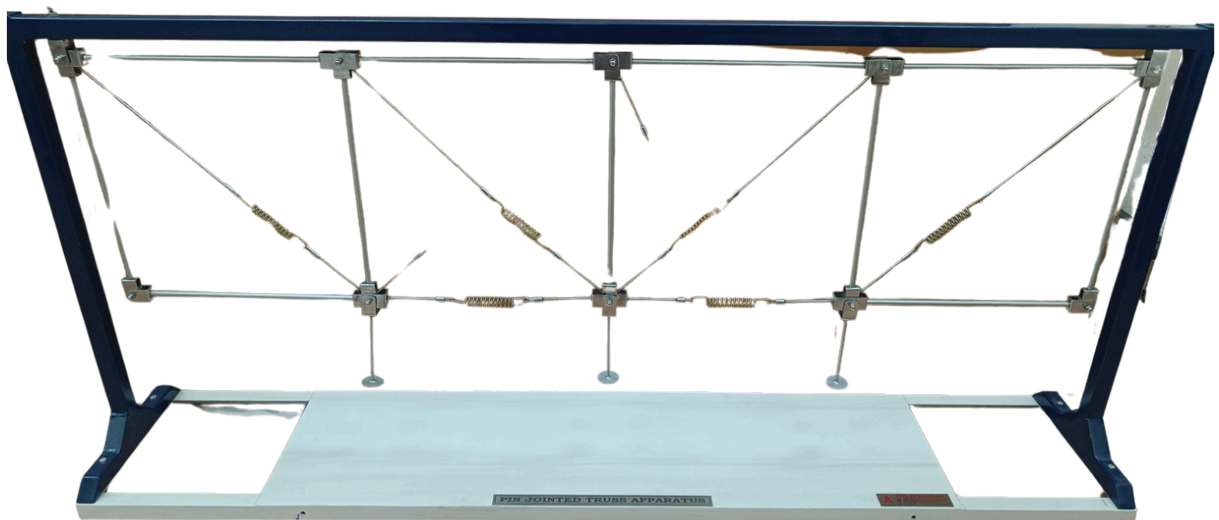
- **Dr. R. Kumutha**, Professor and Head, attended an online Workshop on " Extreme Leadership: Pushing Limits and Driving Change" organised by NPTEL+, E-Learn, IIT Madras on 30th November 2024.
- **Dr. R. Kumutha**, Professor and Head, has reviewed a paper titled "Penetration inhibitor potential of ceramic waste-cement 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.

Bhavadhaarini Raamanaathan • 1st
Civil Engineering Enthusiast | Science Explorer | NCC Achiever | Tech Communi...
3w • 🌐

Millions of years to learn this 🤖

Have you ever noted little nuances of your life, if you've noted, you may feel you've lost this point, if you've not noted, you may see this as a brilliant note

In 🧪 science, every invention however 👍 good it may be, however 100% correct it may be, it always has an opposition, or other discovery may surpass this one, but overall on the surface, no one accepts it and stops discovering upon it, or stops 🤔 thinking, so why do you worry of others to recognise your works????

This world always remembers the upcoming topic and forgets the existing one, so don't hope for validation, because you will be forgotten one day or another....

Keep discovering, inventing, thinking 🤖
Make your life 🚀 your own

Because 🚀 life is not 🚫 same for every one every time, enjoy 🐱 whom you are!!!!

As instance for the above said is
We all remember Usain Bolt ⚡ as the fast 🏃 runner in olympics, who won gold 🏆 medals in 100m and 200m races, but do we all remember of Mofra, he is even too an Olympic gold 🏆 medalist in same running 🏃 race, but he won gold in 3000m not 100m or 200m,

Keep rocking, and don't forget this 🤖 post and me. ... 🤖

Bhavadhaarini Raamanaathan • 1st
Civil Engineering Enthusiast | Science Explorer | NCC Achiever | Tech Communi...
2w • 🌐

Here's how I demonstrate environmental responsibility in my daily life. #GreenerTogether #LinkedInNewsIndia

Due to the higher risk of rising environmental concerns 🤖 I wish to share my views regarding environmental responsibility...

It's a sort of responsibility to which all of us are accountable and answerable....


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 features a new concept known as Passive buildings....

This building 🏠 is becoming predominant in many foreign countries and reduces carbon footprint 🌱....

In addition to deforestation and other activities which humans does to the nature this carbon footprint 🌱 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 improve our planet....

 **Energy Swaraj Foundation**
Energy By Locals For Locals

Bhavadhaarini Raamanaathan • 1st
Civil Engineering Enthusiast | Science Explorer | NCC Achiever | Tech Communi...
3w • 🌐

Insect 🐛 communication.

Hey linkedin family I welcome y'all once again....

I've done a project which took me to the national level 🏆 science exhibition competition....

I've done my project on The 🐛 Insect Communication....

Usually 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 🏆 job and its really interesting 🤖 one

I wish I've done a great job....

I'm sure you are going to like this and if you do so drop a comment 🤖 below... and

Bhavadhaarini Raamanaathan • 1st
Civil Engineering Enthusiast | Science Explorer | NCC Achiever | Tech Communi...
2w • 🌐

Fate of middle class people 🤖

I would like to share this 🤖 with my LinkedIn family 🤖

A story to you all guys....

This thought 🤖 suddenly came into projection into my little brain 🤖....

That middle class people are undergoing a lot of suffering... 🤖

Yeah and that's true....

Think 🤖 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....

They sacrifice their entire 🤖 life by working for these rich 🤖 people but forget their family, friends, parents etc....

These rich 🤖 people pay you money 🤖 to sacrifice your life to them, they don't pay for your work

🚗 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 one... or else you would be continuously working 🤖 and they would continuously give you work....

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....

Rock it and live your life 🤖 for you will!!!!

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 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

Sri Venkateswara College of Engineering,
Post Bag No 1, Pennalur, Chennai
Bengaluru High Road, Sriperumbudur Tk,
Kancheepuram Dt. Tamilnadu 602 117



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SCAN HERE

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
(NHA), 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.