

Department of Civil Engineering





NEWSLETTER
September '23, Volume 6 Issue 9

Contents

- **01** Editorial Board
- **02** Department Vision and Mission
- **03** Faculty Achievements
- **03** Research Activities
- **04** Programs Organised
- 13 DAC and BoS Meetings
- 17 Faculty Participation
- **18 Students Achievements**
- **23** Students Participation
- 25 Infrastructure Upgradation
- **26** Alumni Testimonial
- 27 POs, PSOs & PEOs

Editorial Board

DR.R.KUMUTHA

CHIEF EDITOR & HOD/CIVIL

MR.G.ARUN

CO-EDITOR & AP/ CIVIL

STUDENT EDITORS

MR. K.N.MOHAMMAD SALMAAN SHARIFF

IV YEAR CIVIL ENGINEERING

MR. B.RAGHAVENDRA

III YEAR CIVIL ENGINEERING

Department Vision and Mission

Vision

To become a department of excellence in Civil Engineering education and research producing globally competent civil engineers to serve the industry and society.

Mission

- Providing state-of-the art resources that contribute to an excellent learning environment.
- Imparting necessary skills, cultivating moral and ethical values.
- Establishing regular interaction and collaboration with industries.
- Motivating the students to take up competitive exams and pursue higher education.
- Promoting research and development activities in emerging areas of civil engineering and offering services to society and industry through education, research and consultancy activities.

Faculty Achievements

- AICTE ATAL Academy has approved the Offline FDP on "Construction Automation and Robotics towards sustainable Infrastructure" proposed by Dr.R.Kumutha, Professor and Head/Civil as Coordinator and Ms.Ruby Freya, AP/Civil as Co-coordinator with a funding of Rs.3.5 Lakhs
- Ms. Ruby Freya, Assistant Professor, has been awarded with the "Outstanding Teacher Award" of SVCE for the Academic Year 2023-2024.

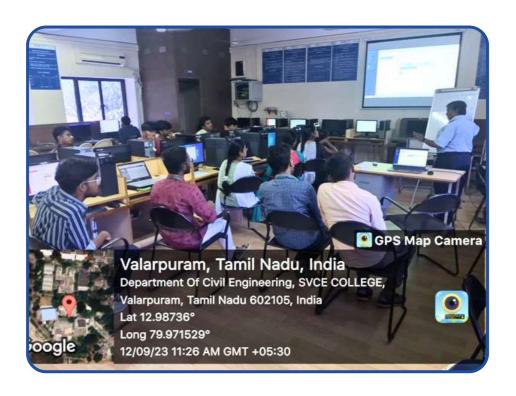
Research Activities

- Dr.R.Sathia, Associate Professor, presented a paper in online mode on the topic "Enhancing Environmental Sustainability in Concrete Mix Design using AI technique" in the International Conference on Engineering and Technology (ICET - 2023) sponsored by All India Council for Technical Education (AICTE), New Delhi and organized by Selvam College of Technology, Namakkal on 21st and 22nd September 2023.
- S.Hariswaran, Assistant Professor along with IV Year students Amaravathy U, Puviarasu S and Jaya Surya J, Final Year Students presented a paper titled "Prediction of Defects in Cast-in-situ Pile" through online mode in the International Conference on Engineering and Technology (ICET 2023) sponsored by All India Council for Technical Education (AICTE), New Delhi which organized by Selvam College of Technology, Namakkal on 21st and 22nd September 2023.

Programs organised

Workshop

A Workshop on "Structural Analysis and Design of Multistorey Building using STAAD Pro" was conducted for 3rd Year Students in association with TechApps Consulting, Chennai on 12th September 2023. This event was coordinated by Mr.A.Vijay Vignesh, AP/Civil & organized by Dr.R.Kumutha, HoD/Civil Engineering.





Concrete Day Celebration

A Quiz was conducted on the event of Concrete Day Celebrations on 13th September 2023 by Ms.Ruby Freya, AP/Civil . A total of 54 students participated and 32 of them secured more than 50 % score.

Prize Winners

First prize

A.Harini, III Year A Praveen Raj, IV Year

Second prize

K Siddharth, IV Year,

R Lokeshwaran, II Year,

R Lomina, III Year

P Chandravasan, IV Year



Guest Lecture

A Guest Lecture on "Sustainable Construction Materials" in association with the UltraTech Cement Limited, Chennai & ICI - Student Chapter as a part of Concrete Day Celebrations 2023 on 13th September 2023 coordinated by Ms.Ruby Freya, AP/Civil and Convened and organised by Dr.R.Kumutha, HoD/Civil.

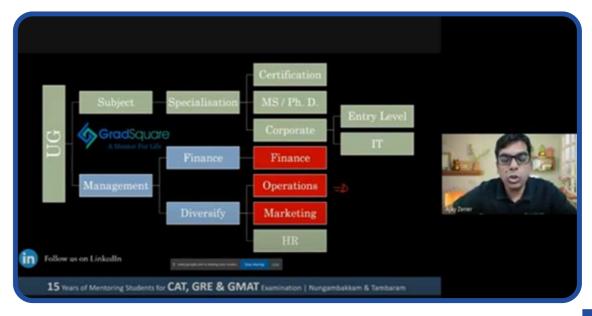




Webinar

A Webinar titled "A Roadmap for Navigating the Higher Education Career Path in India and Abroad" was organised on 16th September 2023 from 10.00 AM to 11.00 AM through Google meet. The lecture was delivered by Mr.Ajay Zener, Founder, GradSquare (CAT, GRE and GMAT Mentor - IIM Ahmedabad Alumnus). This webinar was coordinated by Mr.S.Hariswaran and Mr.R.Kalaivannan, AP/Civil . the Convenor and Organising Secretary is Dr.R.Kumutha, HoD/Civil.





National Engineer's Day

National Engineer's Day was celebrated on 15th September. Ms. Ruby Freya, AP/Civil organised an oratorical competition, "Masters of the Podium". The following students from 2nd, 3rd and 4th year participated. Ramana.R and Srilekha. N of IV Year, R.Priyadarshini, Aadeshwar.S, Rashik Ahmed R, Raghavendra B, Lomina R and Kaviya R of III Year, Rekha. R, M Gururaje, Harshitha.T and Mathimitha.A of II year.

The event was judged by Dr.V.Ganesh, ASP/AUT and Dr.K.Divakar, ASP/BIO

Winners

Ms. R. Priyadharshini, III Year - 1st Prize

Mr. R Ramana, IV Year - 2nd Prize

Ms. R. Lomina, III Year - 3rd prize





Alumni Talk

Alumni talk by Mr. Praveen Kumar V. (2017-21 Batch) Senior Design Engineer - Civil & Structures L&T Construction, Power Transmission & Distribution -International, was organised to celebrate National Engineer's Day on 15th September. He delivered a talk on "Case study on the Structural Casualties due to Disastrous Earthquake - Turkey and Syria" coordinated by Mr. G. Arun and R. Mathiyazhagan, AP/Civil and Convened & Organised by Dr.R.Kumutha, HoD/Civil.





Parent teachers Meet

Parent teachers Meet was organised for parents of II, III and IV Year students on 23.09.2023.







First year Students Induction Program

New batch of students of 2023-24 academic year were inducted to the department on 11.09.2023







Department Advisory Committee (DAC) Meeting

The Department Advisory Committee meeting was held on 15.09.2023 at 1.30 pm through online mode and the following members attended the meeting along with the faculty members of the department.

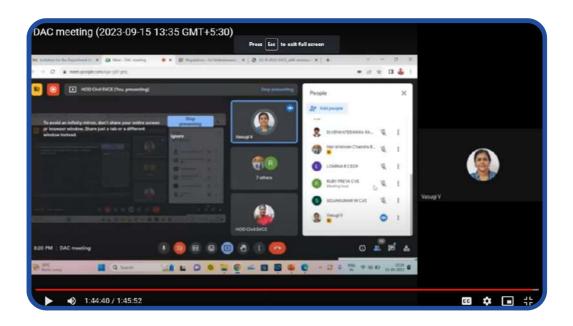
Mr. H. Chandra Bose CEO – BOSE Organisation, Chennai Father of Mr. Jai Hanish Bose (2022- 2026 Batch)	Parent
Dr. Vasugi Professor/Civil Engineering Vellore Institute of Technology, Chennai	Academic Expert
Dr. V. Rajesh Kumar Chief Engineering Manager & Head Geo Spatial Technologies, Water & Effluent Treatment IC, Larsen & Toubro, Chennai	Industrial Expert
Mr.A.Saravanan CEO, SPL Infrastructure, Chennai	Industrial Expert
Mr.M. Aravind Deputy Manager Qa/Qc-Trainng & Development, Casagrand, Chennai	Industrial Expert
Mr. Aadhithya Rajan Proprietor, The Colour Space, Chennai Alumnus, (2012-2016 Batch)	Alumnus
Mr. K.N. Mohammad Salmaan Shariff, IV year (2020-2024 Batch) Ms. R.Lomina, III year (2021-2025 Batch) Mr. N.G.Aravintakshan, II year (2022-2026 Batch)	Students

Department Advisory Committee Meeting

The Chairperson of the Committee Dr.R.Kumutha presented the Department Profile, Highlights of new Regulation R2022 and Curriculum - R2022. Discussion was held on the following and suggestions were invited from the members.

- List of Verticals and Courses Professional Electives
- Syllabi for Open Elective and Value added Courses
- Syllabi for the General Vertical Courses Vertical on Environment and Sustainability





Board of Studies (BoS) Meeting

The Board of Studies meeting was held on 19.09.2023 at 1.30 pm through online mode and the following external members attended the meeting along with the faculty members of the department.

Or.P.Ramadoss Professor Department of Civil Engineering Puducherry Technological University Puducherry	Member (University Nominee)
Dr. S. T. Ramesh Professor Department of Civil Engineering National Institute of Technology, Trichirapalli	Member (Subject Expert)
Dr.R. Saravanan Professor Department of Civil Engineering, College of Engineering Guindy, Anna University	Member (Subject Expert)
Dr. S. Justin Joint General Manager – Design Engineering Design & Research Centre Buildings and Factories, Health Division Larsen & Toubro construction, Chennai.	Member (Industrial Expert)
Mr.V.Sai Prasad Associate Proposals Manager Global Competence Centre(G3C) NKT Operations India Pvt. Ltd Guindy, Chennai – 600032.	Member (Alumnus

Board of Studies Meeting

The Chairperson of the Board Dr.R.Kumutha presented the Department Profile, Highlights of new Regulation R2022 and Curriculum - R2022. Discussion was held on the following and suggestions were given by the members.

- List of Verticals and Courses Professional Electives
- Syllabi for Open Elective and Value added Courses
- Syllabi for the General Vertical Courses Vertical on Environment and Sustainability

The members approved the proposed list of verticals and courses for Professional Electives, Syllabi for Open Elective and Value added Courses and the Syllabi for the general Vertical.





Faculty Participation

 Mr.Kalaivannan R AP/Civil had attended one day training cum awareness programme on GATE & JAM 2024 exam organised by IIT Madras at Center Lecture Theatre ,IIT Madras on 27/09/2023 and he has also visited the Center for Innovation, IIT madras.



- Dr.M.Selva Kumar, ASP/Civil attended FDP on "Applications of Graph Theory in Engineering Mathematics" on 01.09.2023 organised by the Department of Applied Mathematics, SVCE.
- Mr.S.Hariswaran, AP/Civil attended the lecture on "Earthquake Risk Mitigation in India" on 22nd September 2023 at College of Engineering, Guindy, Anna University which was organized by the ISET, Chennai Chapter.
- Ms. Ruby Freya, AP/Civil attended the Online Training Programme on "Basics of Steel-Concrete Composite Design & IS11384:2022" on 29th and 30th September 2023.
 - Ms. Ruby Freya, AP/Civil has got membership with INSDAG (Institute for Steel Development and Growth).



 Third year students participated in National level Technical Symposium organized by Velammal Engineering College, Chennai on 16.09.2023 and have won the following prizes

Name of the Student	Name of the Event	Position	Award Details
Priyadharshini.R Ragavendra.B Velan.S	MineCraft (Technical model making event)	2nd Place	Cash Prize of Rs 2000
Velan.S	Clash of Minds (Technical Quiz)	3rd Place	Cash Prize of Rs 1000

 Mathimitha A, Harishitha T and Gururaje M has secured 2nd Place in the Surprise Event during Karigaala 2.0 organised by the Department of Civil Engineering on 22.09.2023 at Chennai Institute of Technology, Kundrathur

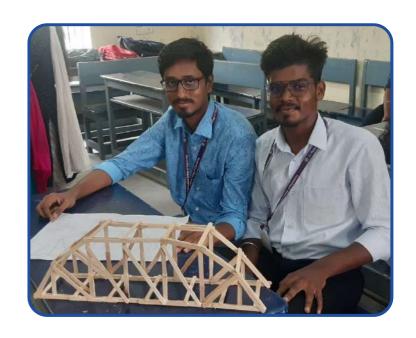
Ms. R. Priyadarshini and Mr. B. Raghavendra, III Year students, received Third prize in the competition "TECH CONX" with a cash award of Rs.1000 at the National Level Technical Symposium "RECONIN 2023" held on August 5, 2023 at St. Joseph's College of Engineering.



 Ms. R. Priyadarshini , III Year student, received Second prize in the competition "ENVISION" with a cash award of Rs.2000 at the National Level Technical Symposium "RECONIN 2023" held on August 5, 2023 at St. Joseph's College of Engineering.



- Sha Zaahir S and Puviarau S (IV-year students) have won I place Bridge Howrah in Technical Model Making Event) at Civilathon 4.0 (a National level technical symposium) organized by Sairam Engineering Sri College, Chennai on 12/09/2023 & 13/09/2023. (Award Details: a Cash Prize of Rs 2000 with Certificate of Appreciation).
- Zaahir Sha S and Puviarau S (IV-year students) have won II place in Mega Minds (a Technical Quiz) at Civilathon 4.0 (a **National** level technical symposium) organized by **Engineering** Sri Sairam College, Chennai on 12/09/2023 & 13/09/2023. (Award Details: a Cash Prize of Rs 750 with Certificate of Appreciation)





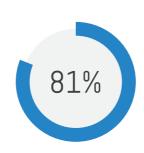
Zaahir Sha S, Manimaran A& Puviarasu S (IV year) have won II place with an Cash Prize of Rs.750 and a Certificate of Appreciation in the event Defecto (a technical event - Identifying nature of distress in the given structure) Karigaala 2.0 (a National level Technical Symposium) organized by Chennai Institute of Technology, Kundrathur, Chennai on 22/09/2023.



Congratulations to First Year Students



Mr. G. Kabilan





Mr. V. Sunil Kumar

• C. Jai Hanish Bose (II Year) has secured Runners up position in our Tennis (Men's) Team in the Anna University Zonal Tournament held at College of Engineering, Guindy. on 30th September, 2023.



BAALA SUBRAMANIYAN K (IV Year) and his team has secured
Fourth position along with cash prize of Rs. 1500/- in Kongu
Trophy 2023-24 (22nd state level inter collegiate tournament)
organised by Kongu engineering College from 08th September,
2023 to 11th September, 2023.



Students Participation

- R.Priyadharshini, R.Lomina, B.Raghavendra, S.Velan, S.Kumaran and M.Nithila of III Year participated in the "Bond IT" event during Karigaala 2.0 organised by the Department of Civil Engineering on 22.09.2023 at Chennai Institute of Technology, Kundrathur.
- R.Priyadharshini, A.S.Kalicharan, R.Lomina, B.Raghavendra, S.Aadeeswar, S.Kumaran and M.Nithila of III Year participated in the "Probe Up" event during Karigaala 2.0 organised by the Department of Civil Engineering on 22.09.2023 at Chennai Institute of Technology, Kundrathur.
- R.Priyadharshini, B.Raghavendra, S.Velan, S.Kumaran and M.Nithila of III Year participated in the "Narto" event during Karigaala 2.0 organised by the Department of Civil Engineering on 22.09.2023 at Chennai Institute of Technology, Kundrathur.
- R.Priyadharshini, R.Lomina, A.S.Kalicharan, B.Raghavendra, S.Velan, S.Aadeeswar, S.Kumaran and M.Nithila of III Year participated in the "Defacto" event during Karigaala 2.0 organised by the Department of Civil Engineering on 22.09.2023 at Chennai Institute of Technology, Kundrathur.
- S.Aadeeswar of III Year participated in the events "Electromaze and Eurekathon" during Karigaala 2.0 organised by the Department of Civil Engineering on 22.09.2023 at Chennai Institute of Technology, Kundrathur.
- R.Lomina, A.S.Kalicharan and S.Aadeeswar of III Year participated in the "Draftrix" event during Karigaala 2.0 organised by the Department of Civil Engineering on 22.09.2023 at Chennai Institute of Technology, Kundrathur.

23

Students Participation

- Jai Sidharth A has participated in the Webinar on "Goodnight: Discover the Secrets to Restful Sleep and Wake Up Refreshed!" on 13.09.2023 conducted by Rotaract Club, SVCE.
- Mathimitha A, Vikranth J, Gururaje M, Mohana Priya S, Muthu Mathi S, Harishitha T, Arivumani S, Prabhu B, Lokeshwaren R, Giridharan V and Varun Babu CS has participated in the "Probe Up" event during Karigaala 2.0 organised by the department of Civil Engineering on 22.09.2023 at Chennai Institute of Technology, Kundrathur.
- Mathimitha A, Gururaje M, Mohana Priya S, Muthu Mathi S and Harishitha T has participated in the "Defacto" event during Karigaala 2.0 organised by the department of Civil Engineering on 22.09.2023 at Chennai Institute of Technology, Kundrathur.
- Vikranth J, Arivumani S, Prabhu B, Lokeshwaren R, Giridharan V and Varun Babu CS has participated in the Surprise event during karigaala 2.0 organised by the Department of Civil Engineering on 22.09.2023 at Chennai Institute of Technology, Kundrathur.
- Chandravasan S,Praveen raj A,Premkumar S,Ramana R,Siddharth K, IV year students had attended, the Australian Showcase Program at Taj Coromandel,Chennai on 12th September 2023.

Infrastructure Upgradation

- A new laboratory "Structural and Applied Mechanics Laboratory" has been initiated. The following equipment have been purchased at a total cost of Rs.96,465/-.
- 1. Clarkes Maxwell Apparatus
- 2. Column and Struts apparatus and
- 3. Portal Frame Apparatus



Alumni Testimonial

My time spent in SVCE, I would say was among the best of my life. Honestly that is how I feel right now. My entire career trajectory and my schooling were both profoundly moulded to better by SVCE. It was the turning point of my life and taught me to groom the skills, knowledge and personal growth within me and has helped me come a long way in my professional career.

In college, I was exposed to a wide variety of topics, concepts, viewpoints and challenges. The demanding academic environment pushed me to do even more better, developing a strong work ethic and dedication to excellence that I still continue to nurture till date and shall do so in future too. I had the opportunity of gaining knowledge from outstanding teachers who not only shared their expertise with me but also mentored and motivated me. I had the honour of heading the Civil Engineering Association of SVCE, which enhanced my knowledge and management skills, opening doors to various opportunities.

In retrospect, I can see that my undergraduate experience served as the cornerstone of my career. It was a pivotal time that continues to influence both my professional success and personal growth.

Shall always owe this to my institution and my faculty. I would like to thank my professors for guiding me in the right direction as I am currently pursuing my Masters in Construction Engineering and Management at the University of Illinois at Chicago.

Mr.Abishek Murali (2018-2022 Batch)



PROGRAM OUTCOMES (POs)

Students in the Civil Engineering program should, at the time of their graduation, be able to

- Apply the knowledge of mathematics, science, engineering fundamentals and concepts of Civil Engineering to the solution of complex engineering problems. (Engineering knowledge)
- 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)
- 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)
- 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)
- 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)
- 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)
- 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)
- Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. (Ethics)
- Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. (Individual and Team Work)
- 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)
- 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)
- 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)

27

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, government or public sector undertakings by applying ethical principles and following norms of civil engineering practice.
- Pursue higher education and research to hone-up latest civil engineering technologies and to adapt to the changing global scenario.
- Exhibit leadership and team working skills as an entreprenuer with demonstrable attributes to contribute to the societal needs.









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

Specializations & Research Domains

- Structural Engineering
- Transportation Engineering
- Environmental Engineering
- Construction Management
- Water Resources Engineering
- Geotechnical Engineering
- 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.

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



GEO-INFORMATICS



CONSTRUCTION MANAGEMENT



GEOTECHNICAL ENGINEERING