

Department of Civil Engineering



CONNECTIONS



NEWSLETTER

October '23, Volume 6 Issue 10

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Editorial Board

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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.

Industry Interaction

Mr.Anbarasan, Assistant Engineer, from WSP India Consultancy Pvt. Ltd, Bengaluru delivered lectures for the course “**CE18502 - Design of Reinforced Concrete Elements**” on 23/10/2023 and 30/10/2023.



Visiting Faculty and Interaction



- **Dr. K. Muthumani**, Former Chief Scientist & Head, Advanced Seismic Testing & Research Laboratory, CSIR, SERC, Chennai and Former, Dean, School of Civil Engineering, VIT, Chennai has been appointed as Visiting Faculty.

- Dr.K.Muthumani delivered lectures for our final year students for the course **CE18703 - Structural Dynamics and Earthquake Engineering** on 25/10/23, 27/10/23 and 30/10/23.

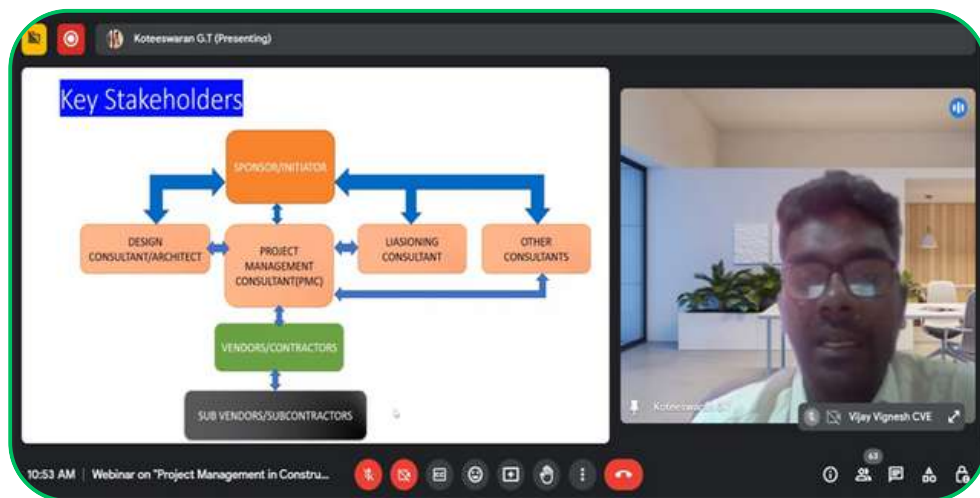


Programs organised

Webinar

A Webinar on “**Project Management in Construction - An Industry Approach**” was conducted on 21st October 2023. This event was coordinated by Mr.A.Vijay Vignesh, AP/Civil & organized by Dr.R.Kumutha, HoD/Civil Engineering.

Speaker: **Mr. G. T. Koteeswaran**, Senior Manager, CBRE Project Management Group - India



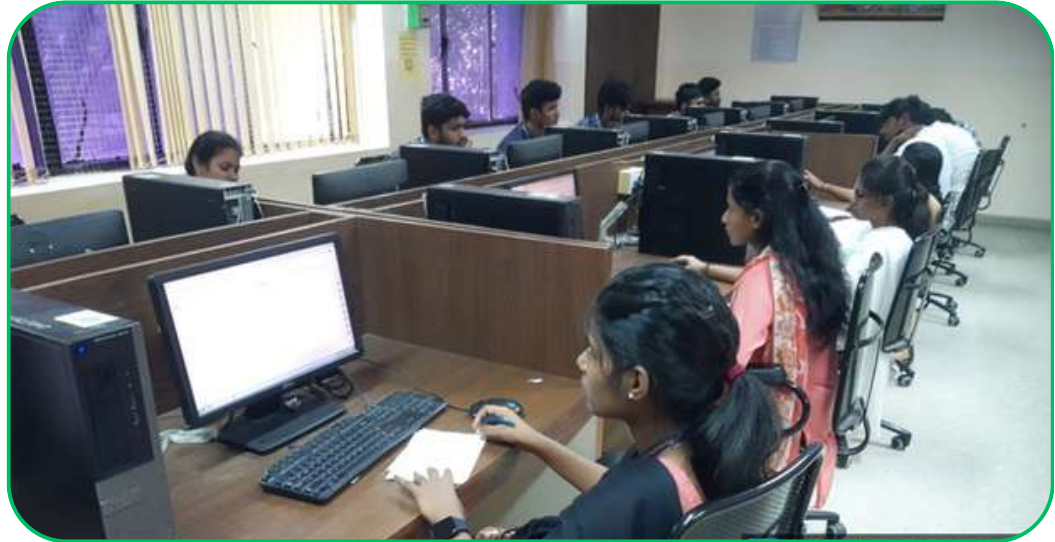
GATE Awareness session

Awareness Session on GATE 2024 was organised for Third and final year students on 05/10/2023 to create a awareness about GATE 2024 and to motivate them to take up GATE 2024. The session was handled by Mr.Kalaivannan R AP/CVE



Mock Test for Placement

SHL (AMCAT) Assessment – II (Mock Placement assessment test) was conducted for final year students on 18/10/2023.



Faculty Participation

- **Dr. M. Selvakumar** has attended the 9th Conference on Transportation Systems Engineering and Management (CTSEM-23) conducted during 12-14 Oct-2023 at NIT Warangal and presented a paper entitled '**Study of Potentiality of Metro on Bus: a case study of Chennai**'.
- **Mr. R. Rajesh.** (Instructor) has successfully completed a NPTEL Course on “ Global Navigation Satellite Systems and Applications” on 6th October 2023.

Faculty Interaction

- **Dr.R.Kumutha, Professor & HoD/Civil** has been included in the Technical Program Committee in the 13th Spring International Conf. on Material Sciences and Technology (MST-S) which will be held on April 19-21, 2024 in Xiamen, China
- **Dr.R.Kumutha, Professor & HoD/Civil** has reviewed a manuscript titled “Feasibility study of cementless blended materials as 3D spraying materials for laminate manufacturing technology” for the Journal Case Studies in Construction Materials on 04.10.2023.
- **Ms.Ruby Freya, AP/Civil** has reviewed an article for the International Journal of Steel Structures in October 2023.

Expert lecture delivered

Dr. P. Venkateswara Rao, Professor/Civil delivered a lecture on “Principles, Applications and Research on Mechanics of Solids” on 19.10.2023 at St.Joseph College of Engineering, Sriperumbudur, Chennai.



Students Achievement

- Secured Overall Third position in the Intercollege Technical Oratorical Competition organised by Builders Association of India (BAI), Southern center on 09/10/2023. Appreciation certificate and Shield was given in the Builders Day celebrations on 20th October 2023 at Madras Race Club Guindy, Chennai.



Students Achievement

- **Mr.B.Ragavendra** of III year Civil Engineering had won **2nd place** in the Technical Oratorical competition organized by “Builders Association of India” with the theme “Sustaining New Resilient India” on 9th october .The Appreciation certificate and prize was given in the Builders day celebration held on 20th October 2023 at Guindy Race Club ,Chennai.



- **Rashik Ahmed R and Aadeshwar S III/CIVIL** along with the our college Ball Badminton (Men) teams won the third prize following positions in Anna University zonal tournament held on 16th&17th Oct 23)



Students Achievement

Ms. Prathiba S (IV year) has got placed as Trainee Application Engineer at Technologics Global Pvt.Ltd.Bangalore with a CTC of 4 LPA .

Ms. Amaravathy U (IV year) has got placed in JGC India EPC Private Limited for the role Associate Engineer – Structural with CTC of 6 LPA .



Zaahir Sha S (IV year) has got placed in JGC India EPC Private Limited for the role Associate Engineer – Structural with CTC 6 LPA .



Students Participation

- **Ms.R.Priyadharshini and Mr.B.Ragavendra** of III year participated in the Technical Oratorical competition organized by “Builders Association of India” on the topic “Sustaining New Resilient India” on 9th October.



- **Mr.Kabilan ,Mr.Thendralarasu and Mr.Kavinkumar** of I Year had participated in the the Oratorical competition organized by “Builders Association of India” on the topic “Sustaining New Resilient India” on 9th october.



Students Participation

- **R. Ramana and P. Chandravan** of IV Year presented their project work titled “Effect of Shear Thickening Fluid Dampers in Seismic Resistance of Steel Structures” and won the Innovative Project Contest at the "Project Contest for Young Civil Engineers and Architect Students Award 2023" organised by the Kattumana Thozhil and Construction Academy on 15th October 2023 at the Music Academy.
- **Mr.Yugeshwaran RB, Mr. Jai Siddarth A, Mr.J. Vikranth** of II Year has participated in the “Real Estate” Event conducted by the Department of Civil Engineering, Sri Siva Subramaniya Nadar College of Engineering, Chennai as part of Invente 2K23, A National Level technical Symposium held on October 6th and 7th, 2023
- **Kishorkkumar Haribaabhu** of I Year participated in Ecell workshop on entrepreneurship conducted by IIT bombay in SVCE on 30.10.2023.
- **G.Kabilan** of I Year , Handball zonal participation on 14/10/2023 held at Saveetha engineering college.
- **A. Keerthivasan** of I Year participated in Anna University inter zonal cricket tournament from 11.10.2023 to 18.10.2023 conducted at Sri Venkateswara College of Engineering.

Alumni Testimonial



Mr. Sai Prasad V.

(2012-2016 Batch)

Associate Proposals Manager

NKT Operations India Pvt. Ltd.

Global Competency Centre

Chennai

**Extending that personal
attention to details
and an attitude of attempting
with the best shot, right at
the first time, is what I have
learnt during the tenure
spent at SVCE**

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)**

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 entrepreneur 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

- 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



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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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WHY STUDY CIVIL AT SVCE?



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- 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