



**Department of Civil Engineering**

---

# **CONNECTIONS**

---

**NEWSLETTER**

**July '23, Volume 6 Issue 7**



# Contents

---

- 01 Editorial Board**
- 02 Department Vision and Mission**
- 03 Felicitation**
- 03 Grants received**
- 05 Programs organised**
- 11 Faculty Participation**
- 12 Interaction with outside world**
- 14 Students Activities**
- 17 Alumni Achievers**
- 11 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.

# Felicitation

- Dr. Kumutha and Ms. Ruby Freya were felicitated in the Staff Council Meeting for receiving fund from CFR-AU for conducting FDP on Engineering Mechanics.
- Dr. Kumutha was also felicitated for receiving a travel grant from DST for attending Conference at the University of California Los Angeles



## Grants received

- A financial grant has been recommended from Science & Engineering Research Board (SERB) to Dr.R.Kumutha, Professor and Head/Civil Engineering under International Travel Support Scheme for participating and presenting the paper in the "4th International Conference on Advances in Functional Materials" to be held during 10th to 12th August 2023 at the University of California, Los Angeles Campus, USA.The grant covers the Air-fare by the shortest route,Airport tax & Visa fees.
- A partial financial grant of Rs.30000/- has been recommended from Council of Scientific and Industrial Research (CSIR) to Dr.R.Kumutha, Professor and Head/Civil Engineering under Travel Grant Scheme for participating and presenting the paper in the "4th International Conference on Advances in Functional Materials" to be held during 10th to 12th August 2023 at the University of California, Los Angeles Campus, USA.
- A financial support of Rs.35000/- has been sanctioned by the Centre for Faculty and Professional Development, Anna University, Chennai for the conduct of Faculty Development Training program on ME3351 - Engineering Mechanics.The Coordinators of this FDTP are Dr.R.Kumutha, Professor and Head/Civil Engineering and Ms.Ruby Freya , Assistant Professor/Civil Engineering.



# **Programs organised**

# Workshop

A Faculty Development Program (FDP) on "Structural Design and Analysis on STAAD.Pro" on 10.07.2023 (Monday). This program is organized by Dr.R.Kumutha (HoD/CVE) & Coordinated by Mr. A.Vijay Vignesh (AP/CVE). This program is organised as part of MOU.

Speaker Details:

Mr. R. Balamourougane

Structural Manager

STAAD Consultant

TechApps Consulting, Chennai





# Workshop

A Workshop on "Advanced Structural Analysis using STAAD Pro" from 25.07.2023 to 26.07.2023. This program is organized by Dr.R.Kumutha (HoD/CVE) & Coordinated by Mr. A.Vijay Vignesh (AP/CVE). This program is organised as part of MOU.

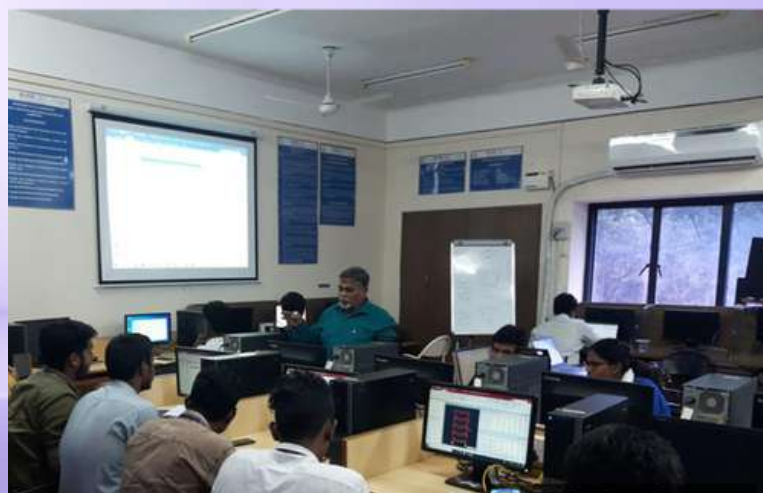
Speaker Details:

Mr. R. Balamourougane

Structural Manager

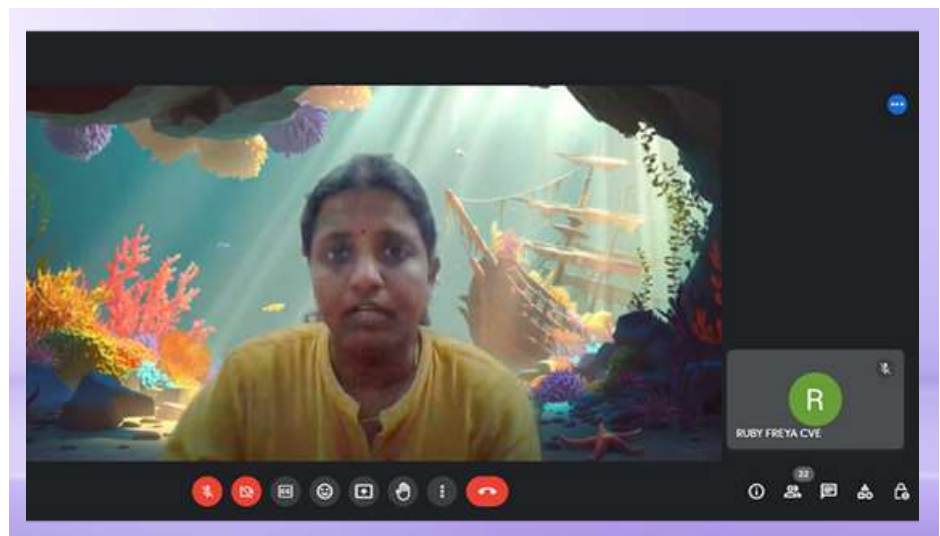
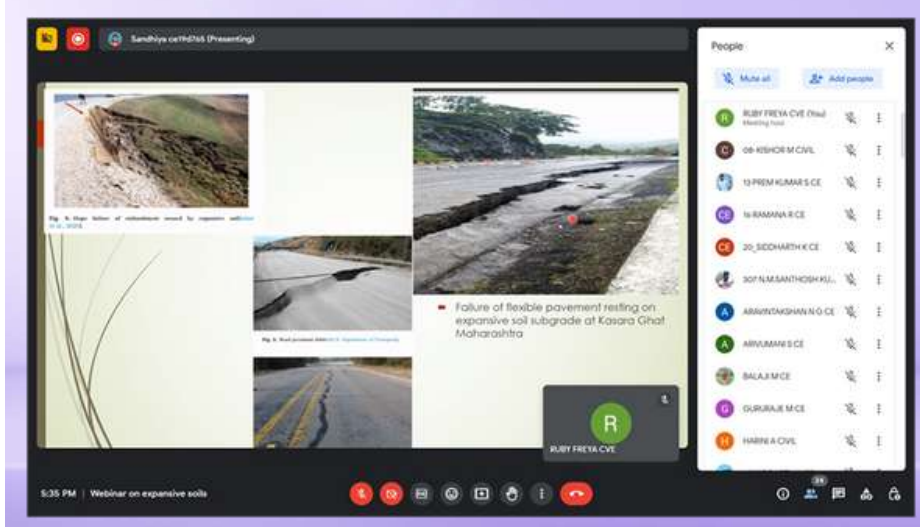
STAAD Consultant

TechApps Consulting, Chennai



# Webinar

A webinar on “Expansive Soil - Challenges and Solutions” delivered by Ms.C.Sandhiya, Research Scholar Prime Minister's Research Fellowship (PMRF), IIT Madras was organised on 31st July 2023.



## Guest Lecture

A Guest Lecture on “Earth and Environmental Sciences” delivered by Dr.Rakib Akthar ,School of Geography Earth and Environmental Sciences,University of Birmingham,UK on 20/07/2023.The program was organised by placement cell,SVCE and Coordinated by Department placement coordinator Mr.R.Kalaivannan, Mr.Hariswaran S and Dr.R.Sathia





# Campus Visit

As part of their water supply engineering course this semester, third-year students visited the water treatment facilities on campus to gain hands-on experience and practical knowledge



# Awareness session

Awareness session on Higher Studies was conducted by placement cell,SVCE on 20/07/2023.Following are the resource persons detail

1.Dr.Surindar Dhesi,School of Environmental health and Risk Management ,University of Birmingham,UK

2.Dr.Rakib Akthar ,School of Geography Earth and Environmental Sciences,University of Birmingham,UK





# Faculty Participation

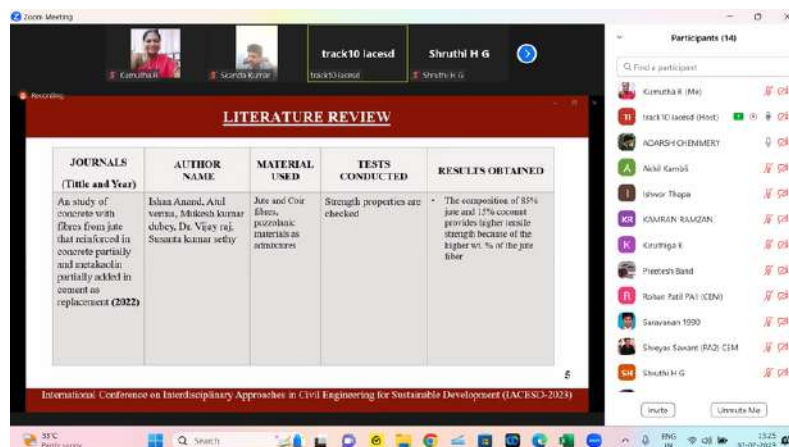
- Dr. P. Venkateswara Rao, Dr. R. Sathia, Ms.Ruby Freya, G. Arun, R. Mathiyazhagan, Hariswaran.S, Kalaivannan R and A.Vijay Vignesh, Assistant Professors, attended the Faculty Development Program on “Structural Design and Analysis using STADD.Pro” organized by the “Department of Civil Engineering, SVCE in association with TechAapps Consulting, Chennai” on 10th July 2023.
- A.Vijay Vignesh Assistant Professor has participated in an online Faculty Development Program for Primavera P6 V22 from 11.07.2023 to 15.07.2023 organized by Infinity PMC Solutions Pvt Ltd.
- Ms.Ruby Freya, Mr. R.Kalaivannan Assistant Professor, has attended FDP on STAAD.Pro Advanced Course - Seismic & Wind CONNECT Edition organised by the Department of Civil Engineering, SVCE in association with TechAapps Consulting, Chennai during 25th to 26th July 2023.
- Ms.Ruby Freya and Mr. R.Kalaivannan Assistant Professor, have attended FDP on STAAD.Pro Advanced Course - Seismic & Wind CONNECT Edition organised by the Department of Civil Engineering, SVCE in association with TechAapps Consulting, Chennai during 25th to 26th July 2023.
- Ms. S. Bhuvaneshwari and M. Venkatakrishnan, Lab instructors have attended FDP on STAAD.Pro Advanced Course - Seismic & Wind CONNECT Edition organised by the Department of Civil Engineering, SVCE in association with TechAapps Consulting, Chennai during 25th to 26th July 2023.
-

# Interaction with outside world

- Dr.R.Kumutha acted as a Session Chair for the International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD -2023) organised by the Department of Civil Engineering, Jyothy Institute of Technology, Bengaluru on 7th & 8th July 2023.

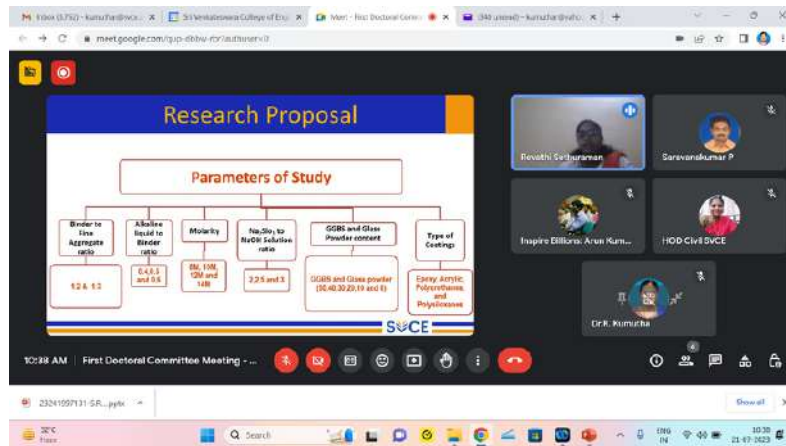


- Dr.R.Kumutha presented a paper titled "Effective Utilisation of Eco-Friendly Industrial Waste And By Products In Ferrocement Slab Panels" in the International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD -2023) organised by the Department of Civil Engineering, Jyothy Institute of Technology, Bengaluru during 7th & 8th July 2023.



# Interaction with outside world

- The First Doctoral Committee meeting for the full-time research scholar Ms.S.Revathi (Reg.No: 23241997131) supervised by Dr.R.Kumutha, Professor and Head/Civil Engineering was conducted on 21-07-2023 (Friday) through Online mode at 10.30 am.

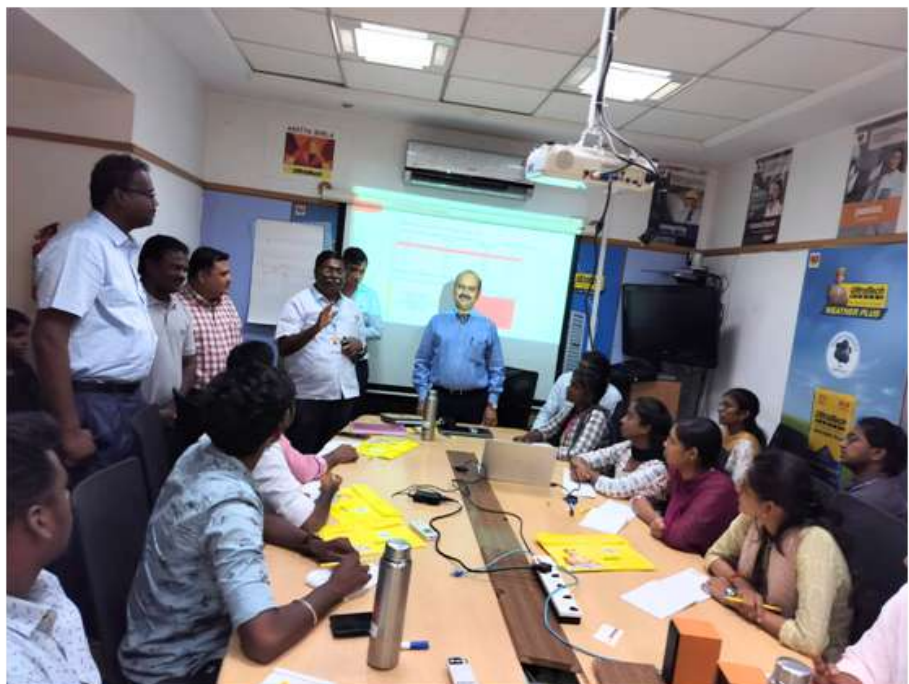


- Mr. Hariswaran S. delivered a lecture on “Deep Excavation and Dewatering Techniques” in the Customized Short-Term Course on “Geotechnical Investigations” for Officials of National Thermal Power Corporation which organized by CSIR - SERC on 7th July 2023.



# Students Activities

RAMANA R, PREM KUMAR S, CHANDRAVASAN P (ICI-Student Chapter Office Bearers) have attended the Workshop on BBH Award Evaluation conducted by ICI Chennai Centre on 22nd July 2023.



# Students Activities

- CHANDRAVASAN P, PREM KUMAR S and RAMANA R (IV year Civil Engg) had attended IIT PALS GATE / JAM EXAM PREPARATION ORIENTATION SESSION - 19th July 2023 between 2.00pm - 4.00pm at DR MGR University, Maduravoyal.



- Mr.B.Raghavendra of III year, completed the internship on “Project Management and Execution” from 26.6.2023 to 08.07.2023 at Pushkar properties PVT.Ltd.
- Ms.R.Priyadhrashini of III year, completed the internship on “Project Management and Execution” from 26.6.2023 to 08.07.2023 at Pushkar properties PVT.Ltd.
- Ms.S.Abinaya of III year, completed the internship on “ Basics in R.C.C building Design” from 26.6.2023 to 10.07.2023 at Central Technical Office (CTO), NLC limited, Neyveli.

# Students Activities

- Ms.S.Harini of III year, completed the internship on “ Basics in R.C.C building Design” from 26.6.2023 to 10.07.2023 at Central Technical Office (CTO), NLC limited, Neyveli.
- Ms.R. Kaviya of III year, completed the internship on “ Field of Construction ” from 22.6.2023 to 10.07.2023 at Reenatus Project Pvt Ltd.
- Ms.M.Nithila of III year, completed the internship on “ Construction Materials and Construction Techniques” from 03.7.2023 to 14.07.2023 at Eshpon Engineering.
- Ms.R.Lomina of III year, completed the internship on “ Construction Materials and Construction Techniques” from 23.6.2023 to 10.07.2023 at DAC Developers PVT Ltd.
- Mr.rashik Ahmed of III year, completed the internship on “ Construction Materials and Construction Techniques” from 03.7.2023 to 10.07.2023 at Orange Builders.

# Alumni Achievers

**SVCE** | Sri Venkateswara  
College of  
Engineering

**CONGRATULATIONS**  
- KAVIN MALAR K. -  
**2019-23 BATCH OF CIVIL ENGINEERING**

**for joining M.Tech- Geotech. at  
IIT-Tirupati**



# Alumni Achievers



**SVCE** | Sri Venkateswara  
College of  
Engineering

**CONGRATULATIONS**  
- ROHAN LEWIS A. -  
**2019-23 BATCH OF CIVIL ENGINEERING**



for joining Master of Engineering  
(Management)  
RMIT University - Australia

# 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



Visit [www.svce.ac.in](http://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



044-27152000

8122518923

8220762480

9840861987

7845637195



Apply Now



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



GEO-INFORMATICS



CONSTRUCTION MANAGEMENT



GEOTECHNICAL ENGINEERING