

# Department of Civil Engineering



## CONNECTIONS



**NEWSLETTER**

**January '24, Volume 7 Issue 01**

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## **Editorial Board**

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**II YEAR CIVIL ENGINEERING**

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# 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.

## Programs Organised

**Mr.R.Kalaivannan & Mr.S.Hariswaran**, Assistant Professor organized a Alumni Talk (Guest Lecture) titled "**Higher Studies Opportunities for Civil Engineering Students in U.S.A**" which scheduled on 29th January 2024 from 12.45 to 1.30 PM at Class Room No. CB527. The session was delivered by the Alumnus of 2016-2022 Batch, **Mr.K.Muthu Karuppan M.S.**, Research Aide, Kyl Center for Water Policy at Morrison Institute, U.S.A.



**Dr.R.Kumutha**, Professor & Head organized a Guest Lecture titled "**Technology Adoption in Public Project Execution**" which scheduled on 30th January 2024 from 1.30 to 3.00 PM at Biotech Conference Hall. The session was delivered by **Dr.V.Senthilkumar**, Associate Professor, Department of Civil Engineering, IIT Palakkad.





## Program Attended

Dr.R.Kumutha, Dr.P.Venkateswara Rao, Dr.R.Sathia, Mr.G.Arun, Mr.R.Mathiyazhagan, Mr.R.Kalaivannan, Mr.S.Hariswaran and Mr.A.Vijay Vignesh have participated in the “Faculty Sensitization Program” organized by the “Standards Club - SVCE” in association with “Bureau of Indian Standards” on 10th January 2024.



## Online Courses Completed

**Mr.S.Hariswaran**, Assistant Professor completed the online course titled **“Wastewater Overview & Next Stage: Part 1”** which was offered by **“L&T EduTech - Micro Learning”** on 3rd January 2024 with an certificate number LNT-GF-7RR-3791.



**Mr.Yugheshwaran R B** (2nd Year Student) completed the Online course titled **“Autodesk Revit Master Class: Beginner to advanced level”** conducted by Udemy on 22.01.2024.

**Mr.Jai Siddarth A** (2nd Year Student) has successfully completed the online course on **“Introduction to Management”** on January 2024 conducted by Great Learning Academy.

## Students Participation

Third year students **Mr.R.Rashik Ahmed & Mr.M.Balaji** have attended and completed a two days certificate course on “**Reinforced Concrete Repair and Maintenance**” at Easwari Engineering College, Chennai on 22-23 January 2024.





## Students Participation

**Mr.Jai Siddarth A** (2nd Year Student) has published a Technical blog on “**A Student’s View on the New Kilambakkam Bus Stand**” in LinkedIn on 24.01.2024.

Link:<https://www.linkedin.com/pulse/students-view-new-kilambakkam-bus-stand--ktmpc/?rackingId=vEPUrU7VTaGJ%2BrV%2FtrsUrg%3D%3D>



**Mr.Yugheshwaran R B** (2nd Year Student) won **Third Place** (cash prize of Rs.500) in the Essay Writing Competition on the theme “**Innovations Driving Sustainable Development in India: A Vision for the next 25 years**” conducted by IIC-SVCE (IC201810371) on 16.07.2023.

## Inplant Training and Internship

- The following second-year Civil Engineering students have completed their in-plant training at the **Public Works Department (PWD)** from 8th to 12th Jan 2024: **Ms.Gururaje M, Ms.Mathimitha A, Mr.Jai Siddarth A, Mr.Yugheshwaran R B Mr.Arivumani S, Mr.Prabhu B, Mr.Varun Babu C S & Mr.Giridharan V.**
- The following second-year Civil Engineering students have completed their in-plant training at the **Chennai Metro Rail Limited (CMRL)** from 17th to 31st Jan 2024: **Ms.Gururaje M & Ms.Mathimitha A.**
- The following third-year Civil Engineering students have completed their internship at the **Casagrand Elysium** from 20.12.23 to 20.1.24: **Mr.Velan S & Mr.Gopinath K.**
- **Mr.Aadeshwar S** of third- year Civil Engineering have completed internship at the **Sri Ram Constructions** from 11.12.23 to 11.01.24.
- **Ms.Abinaya S** of third- year Civil Engineering have completed internship at the **RS Associates** from 18.12.23 to 12.01.24.
- **Ms.Hemalatha A & Mr.Pavithran E** (2nd Year Students) have undergone an Internship in the field of Civil Engineering from 29.12.2023 to 13.01.2024 at **Sekaran Foundation**, Chennai.
- **Mr.Arivumani S** (2nd Year Student) has undergone an Internship at **NLC India Limited**, Neyveli from 16.01.2024 to 29.01.2024.

# Inplant Training and Internship



## NLC INDIA LIMITED

("NAVRATNA" – A GOVERNMENT OF INDIA ENTERPRISE)  
NEYVELI – 607 801, TAMIL NADU

### CERTIFICATE

This is to certify that

**ARIVUMANI S**

studying BACHELOR OF ENGINEERING in CIVIL ENGINEERING  
at SRI VENKATESWARA COLLEGE OF ENGINEERING, PENNALUR,  
SRIPERUMBUDUR

has undergone INTERNSHIP TRAINING

on SURVEYING

from 16-01-2024 to 29-01-2024

at MINE-1A, NLC INDIA LIMITED, NEYVELI.

29-01-2024  
NEYVELI

LEARNING AND DEVELOPMENT CENTRE  
NLC INDIA LIMITED  
UNIT HEAD  
Learning & Development Centre  
NLC India Limited, Neyveli-3

*Training adding Value to life*

## Placement Details

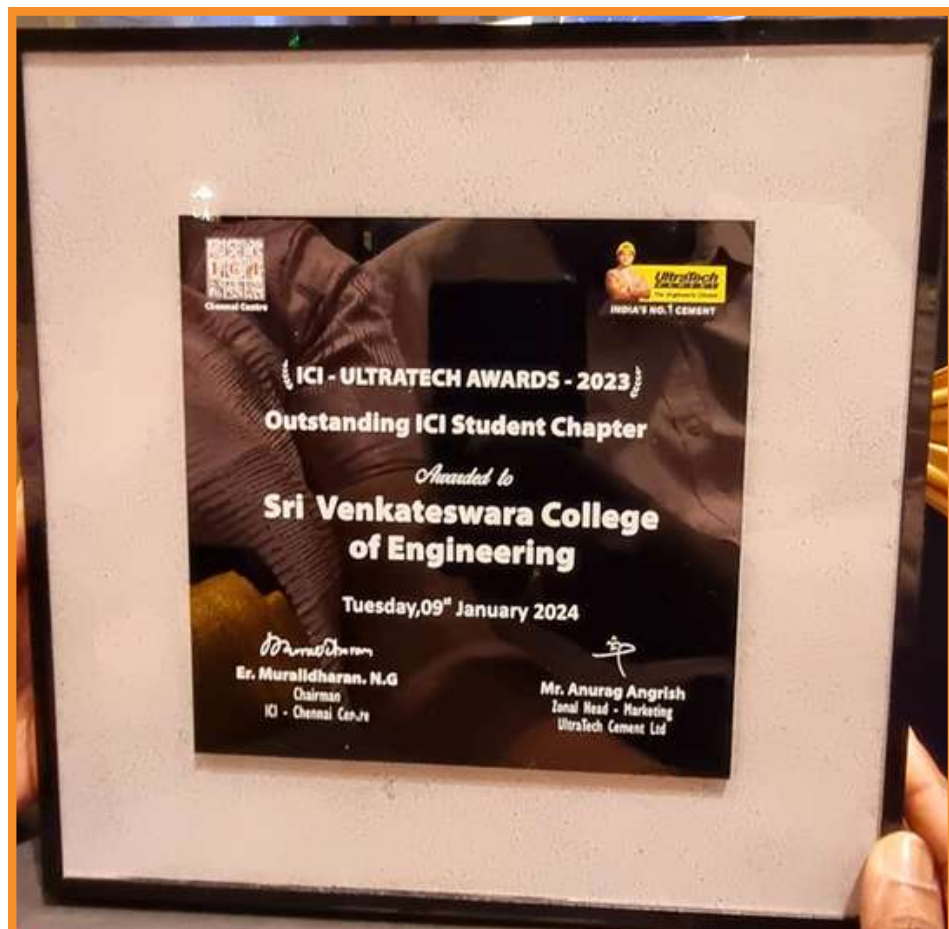
**Mr.Praveenkumar D & Mr.Jayasurya J** have got placed at **M/s Conserve Solutions** as Graduate Engineering Intern with 3 LPA.

**Mr.Keerthivasan M, Mr.Puviarasu S, Mr.Baala Subramaniyan K, Mr.Santhosh Kumar N M & Mr.Shantha Gowtham S** have got placed with **M/s Amrit Engineers** for Graduate Engineer Trainee role with 2.3 LPA.



## ICI Student Chapter Award

Department of Civil Engineering has received the **Outstanding ICI Student Chapter Award** for the year 2023 at **Indian Concrete Institute (ICI) - UltraTech Awards 2023** on 09.01.2024.





## Experience SVCE Program

As a part of **Experience SVCE**, school students of **Ryan International School** visited our department on 20.01.2024 to explore the civil engineering facilities available in the department and also to have an exposure about engineering departments in SVCE.



## Alumni Testimonial

SVCE is a place of knowledge and bliss. Four years at SVCE is most unforgettable and nostalgic. Amazing institution that taught me perseverance and life skills. Bus bay, OAT, the long travel to college, Canteen, Classrooms, Friends, Faculties and never ending list of memories. Yearning for a day to get back to the classes and college life!

Deepest gratitude to the faculty members of my department for the enriched knowledge imparted. Very proud and happy to be an SVCEian.



**Ms. Divya S. S**  
(2014-2018 Batch)

Associate Specialist, Grundfos, Chennai.

## 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

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Kancheepuram Dt. Tamilnadu 602 117



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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

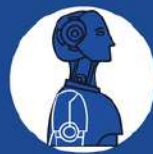
### MINOR DISCIPLINES



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