Bonafide Certificate

Mr/Ms _____ is a Bonafide student of our Institution and is hereby permitted to attend the one day workshop on "Finite Element Analysis for Structural and Geotechnical Engineering" on March 4 ,2025 at SSN college of Engineering, Kalavakkam-603110.

Date:

Place:

Signature of the
Head of the Institution:

Office seal:

Address for Communication

Nishta M N (Final Year)
Ph.no: **98404 32625**
Mail id: **nishta2110839@ssn.edu.in**

N Yashmitha (Final Year)
Ph.no: **9345285217**
Mail id: **yashmitha2110766@ssn.edu.in**

Registration link:
https://forms.gle/BdhdTbznyKXuQvEL8

Payment link:
https://rzp.io/rzp/4J6rF0tV

Objective of the workshop

Understand the fundamentals of Finite Element Analysis(PEA) and its role in engineering analysis. Learn about the basic principles behind discretizing structures and soil models into finite elements. Understanding Software Tools for FEA. Practices of FEA in Structural and Geotechnical Projects.

Confirmed Speakers

Dr.Kanchana Devi,
Principal Scientist, Council of Scientific & Industrial Research - Structural Engineering Research Centre(CSIR-SERC), Taramani, Chennai-600 113

Dr.S.Karthigeyan,
Professor, Division of Soil Mechanics and Foundation Engineering, Department of Civil Engineering, College of Engineering Guindy, Anna University, Chennai-600 025

Registration Fees

Each Participant has to pay Rs.200/-(Rupees Two Hundred Only) towards registration fee by the link.The participants has to submit their payment proof along wiht the google form duly filled. Spot Registration is allowed. No TA/DA will be provided. Last date for receiving the registration form along with the DD is 1st March, 2025. Please communicate only to the address mentioned as under for communication.

Sri Sivasubramaniya Nadar College of Engineering

(An Autonomous Institution-Affiliated to Anna University)
Rajiv Ghandhi Salai, Kalavakkam, Chennai 603 110,
Tamil Nadu, India.

Department of Civil Engineering

organises

One Day Workshop

titled

Finite Element Analysis for Structural and Geotechnical Engineering

on

4th March 2025

Convener
Dr.N.Sivakumar

Coordinators
Dr.P.Sangeetha
Dr.Sivapriya.S.V

About the Institution

Sri Sivasubramaniya Nadar College of Engineering(SSNCE), founded by Thiru. Shiv Nadar, Chairman, HCL Technologies, stands out as a premier center of higher learning with a mission of pursuing excellence in education and research. The institution, with its diverse and dynamic community of students offers a distinctive combination of some of the finest undergraduate and research programs, accomplished faculties, world class facilities and a residential campus set on a sprawling 230 acres of sylvan surroundings. SSNCE is home to aesthetically designed buildings with state of the art computer and internet facilities, modern workshops, seminar halls, auditoriums and well stocked libraries, sports and games fields in addition to an indoor stadium with gym. SSNCE has over 300 well qualified and committed faculty. Ranked 46th in Engineering Category in NIRF 2024, and 81st among all educational Institutions. SSNCE has been accredited by NAAC with A+ grade. SSN faculties are ranked among top 2 % scientists in the world.

About the Department

The Department of Civil Engineering was started in the academic year 2011-12 with an aim of promoting high quality education in the field of Civil Engineering. The department has well equipped laboratory facilities and highly qualified faculty members having rich experience in teaching and industrial background. The department is aiming to transform itself into a centre of excellence both in academics and research. The department provides the right kind of environment for the students to groom themselves for an innovative and challenging future. The department regularly organizes seminar. guest-lectures, workshops, faculty development programn and conferences for the benefit of students and scholars. At the outset, the department is active in industrial collaboration and with sustainable & societal research.

About the workshop

Explore how FEA can be used to analyze various structural components such as beams, columns, slabs, and frames. Demonstrate how FEA aids in solving real-world engineering problems, including stress, strain, and displacement analysis. Discuss the role of FEA in geotechnical analysis, such as soil-structure interaction, slope stability, and foundation design. Provide insight into modeling soil behavior and its interaction with structural elements under various loading conditions. Understand the limitations of FEA in both structural and geotechnical contexts, and how to overcome common challenges faced during the analysis

Who may participate

Under graduate/post graduate students of civil engineering and other academic persons can participate in the workshop.

One Day Workshop on Finite Element Analysis for Structural and Geotechnical Engineering

Registration form

Name: .....

Department: .....

Institution: .....

Educational Qualification: .....

Year of study: .....

Address for Communication:.....

.....

.....

Mobile No: .....

Email: .....

Date: .....

Place: .....

Signature of the Applicant