

**Ph.D.,  
CIVIL  
ENGINEERING**



**PIONEERING  
RESEARCH**



# **SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY**

**An Autonomous Institution | Approved by AICTE | Affiliated to  
Anna University | Accredited by NAAC with A++ Grade  
Kuniamuthur, Coimbatore — 641008**

## **SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY**

Sri Krishna College of Engineering and Technology is the most sought after Institution among the premier technical Institutions in South India. Since its establishment in the year 1998, the Institution has marched towards the pinnacle of glory through its remarkable achievements in the field of Engineering Education. It is an Autonomous Institution, Affiliated to Anna University with 7 programmes being accredited by NBA and it offers 11 UG programmes, 4 PG programmes, 1 integrated programme and 8 research programmes. The Institution offers an exciting academic environment with well qualified dedicated faculty members to inspire and nurture the student fraternity. The Institution is actively involved in collaborative funded research projects with Government agencies to a tune of 10.39 crores. The Institution is also accredited by DSIR with SIRO recognition to further facilitate research and development. The Institution has been selected as the nodal center for MHRD Innovation Cell. Aiming at fruitful outcomes such as technical support, training, industrial exposure, internships, and placements, The Institution has signed 71 MoUs and 14 Centres of Excellence with leading Industries and premier Institutions like NITTTR, Chandigarh, Tata Consultancy Services, Virtusa Corp, Valparaiso University, Seine Aerospace – Dubai, Barry Wehmiller, Sector Skill Council, to name a few. With industry drafted Choice Based Credit System (CBCS) curriculum and syllabi, the Institution takes every effort to bring its students to the forefront of the society as skilful and responsible engineers.



## VANKATRAM LEARNING CENTRE – CENTRAL LIBRARY



The Vankatram Learning Centre, the Central Library of Sri Krishna College of Engineering and Technology, stands out as one of the premier libraries in this region, excelling in scholarly and rare resources, user-centric services, best practices, technology, architecture, infrastructure, facilities, size, and green concepts. The library, overseen by a qualified librarian and a team of Library Information Professionals, is fully automated using KOHA, incorporating RFID technology, barcode technology, and self-issue/return kiosks. The technological highlights include the GSDL Digital Library and the Intranet Library Website. Spanning 55,000 square feet, the Wi-Fi-enabled Central Library provides a centrally air-conditioned environment, fulfilling the information and knowledge needs of users with a vast collection. It boasts 82,141 books, numerous journals and magazines in both print and digital formats, 12,742 CDs/DVDs/VCDs, 4,666 back volumes, and rare resources like Palm Leaves of Tamil Literature, special books, and back volumes. The library is meticulous in continuously expanding its resources across all disciplines. As a member of the Indian Access Management Federation (INFED) of INFLIBNET, an autonomous Inter University Centre of UGC, the library disseminates e-resources, including Science Direct Journals, Science Direct E-Books, Scopus Citation Database, Proquest ABI/INFORM Collection, and DELNET database, to students, faculty members, and researchers on and off the campus through the Shibboleth software for remote access.

## **CIVIL ENGINEERING**

The Department of Civil Engineering was established in 2012 and offers a B.E. in Civil Engineering with an intake of 69 students. It is accredited by the National Board of Accreditation, New Delhi (upto 2026). The department is also recognized as a Centre for Ph.D. programs under Anna University, Chennai. The department provides comprehensive knowledge across all areas of civil engineering, supported by a faculty with extensive research and industry experience. This environment fosters collaboration and integrity, ensuring a high-quality educational experience. Equipped with state-of-the-art laboratories and advanced instruments, supports the curriculum and encourages research and consultancy activities. The department is committed to building long-term relationships with professional societies, research institutes, and industries. It has signed nine Memoranda of Understanding (MoUs) to facilitate technical support, training, industrial exposure, internships, and placement opportunities for students, faculty, and researchers. The department also undertakes wide range of consultancy services. From the inception, the Department provides courageous environment for advancing the state of knowledge and technology through innovative research activities.



# RESEARCH SUPERVISORS



**Dr.D. MARUTHACHALAM**

Supervisor Ref No : **2410065**

Specialisation : **Structural Engineering**

Area of Expertise : **Construction Materials, Concrete Technology and Structural Engineering**

**Dr. P. MUTHUPRIYA**

Supervisor Ref No : **2310076**

Specialisation : **Structural Engineering**

Area of Expertise : **Concrete Technology, E-Waste Concrete & Fiber Reinforced Concrete, Structural Engineering.**



**Dr.P. SARAVANAKUMAR**

Supervisor Ref No : **3010015**

Specialisation : **Structural Engineering**

Area of Expertise : **Alternative Materials for Concrete, Geo-Polymer Concrete, Structural Engineering**



**Dr.R. CHANDRA DEVI**

Supervisor Ref No : **3910003**

Specialisation : **Geotechnical Engineering**

Area of Expertise : **Soil Remediation, Nanotechnology in Geotechnical Engineering, Geo-Environmental Studies.**



# Research Facilities

## Concrete and Transportation Engineering

- Workability of Fresh Concrete
- Mechanical Properties of Harden Concrete
- NDT Testing using Ultrasonic Pulse Velocity & Rebound Hammer
- Properties of Pavement Materials
- Impact of Pavement by Benkelman Beam Test



## Structural Engineering

- Advanced Design of RC structures
- Concrete Technology and Sustainable Materials
- Earthquake Engineering and Structural Dynamics
- RCC, Steel, Precast and Special Structures
- Computational Mechanics
- Mathematical Modelling

## Geotechnical Engineering

- Soil Mechanics & Soil Engineering
- Slope Stability & Landslide Mitigations
- Ground Improvement
- Pile & Deep Foundation
- Soil Dynamics & Geotechnical Engineering
- Soft Soil Engineering



## Environmental Engineering

- Air Quality Analysis
- Water and Waste Water Testing and Analysis
- Spectrometry Applications
- Nutrient Analysis

# LAB FACILITIES

## Survey Laboratory

- Footing marking
- Distance measurements
- Area and Angles measurements

## Environmental Engineering Laboratory

- Alkalinity/Acidity
- pH and Turbidity Analysis
- Total Phosphorous
- Optimum Coagulant Dose
- Presumptive Coli Form Test
- Chlorine Demand

## Geo-Technical Engineering Laboratory

- Soil Mechanics Laboratory
- Slope Stability Analysis
- Shallow Foundation and Pile Foundation Design
- Ground Improvement Techniques for Problematic Soils
- Subsurface Investigation and Estimating Soil Bearing Capacity

## Softwares

- AutoCAD/REVIT - 2D, 3D
- STAAD Pro, PRIMAVERA
- MATLAB, ANSYS, BIM, MIDAS

## Materials & Concrete Laboratory

- Fresh concrete testing
- Workability test
- Hardened concrete testing  
Strength tests, Durability test
- NDT testing

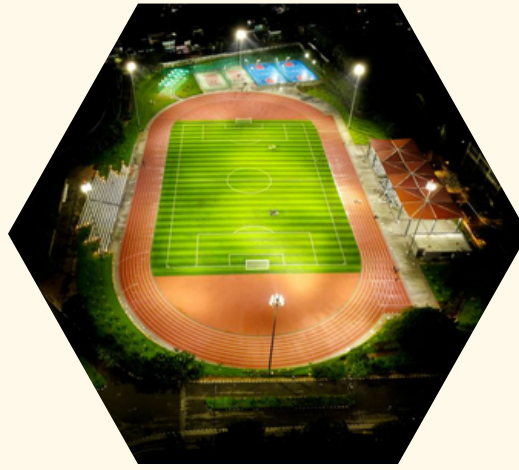
## Highway Engineering Laboratory

- Testing of bitumen samples -  
Viscosity test, Penetration test,  
Softening point test
- Testing of aggregate samples -  
Impact test, Crushing Strength,  
Shape tests, Abrasion test

**Trust us to bring your  
vision to life.**



# SKCET



## DEPARTMENT OF CIVIL ENGINEERING



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# Excellence in Education & Research

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