

**SAKTHI POLYTECHNIC COLLEGE**

Sakthinagar – 638 315



**MAGAZINE**

*Department of Civil Engineering*



**ACADEMIC YEAR 2025 – 2026**

**EVENTS**

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- ◆ Anti-Drug Awareness Pledge Program
- ◆ Civil Engineering Students' Visit to Erode Book Festival
- ◆ One-Day Hiking at Punnam, Erode
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- ◆ BIS TECH 2K26
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### **DEPARTMENT VISION**

➤ To provide a value based technical education for rural students and make them to serve for the society as Civil Engineers.

### **DEPARTMENT MISSION**

- To foster the skills in the field of civil engineering and management
- To equip with the requisite multi – disciplinary activities required for employment, higher studies and entrepreneurship.
- To promote quality education and offer consultancies for industry and society in all areas of Civil Engineering.
- To transform the students into eminent engineers with ethical and moral values..

**SAKTHI POLYTECHN COLLEGE, SAKTHI NAGAR – 638 315**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**ACADEMIC YEAR 2025 – 2026**  
**ONE-DAY FRESHERS' WELCOME PROGRAM**

The **Department of Civil Engineering at Sakthi Polytechnic College** organized a **One-Day Freshers' Welcome Program** on **10th June 2025** to warmly receive and welcome the newly admitted **second-year diploma students**. The event was intended to create a friendly and inclusive atmosphere and help students adapt to the academic environment.

The event began with a welcome address by Dr. R. Shanmugam, Head of the Department. This was followed by the presence and participation of Dr. K. R. Muthuswamy, Director of the Institution, and Dr. S. Senthilarasu, Principal of Sakthi Polytechnic College. They addressed the students and provided a clear explanation of the institution's vision, mission, and core values. Following this, all faculty members and supporting staff were introduced to help students feel comfortable and to foster a strong sense of connection with the academic community.



**Senior students** organized various **cultural programs**, including music and dance performances. These activities provided a platform for freshers to showcase their talents and connect with fellow classmates.

**Prizes were awarded** to winners of Academic Excellence. The event concluded with a **vote of thanks**, **refreshments**, and a **group photo session** that added a memorable touch to the occasion.

Overall, the celebration was filled with **joy, laughter, and friendship**, marking a **positive beginning** to the students' journey in **civil engineering**.

**SAKTHI POLYTECHNIC COLLEGE, SAKTHI NAGAR – 638 315**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**ACADEMIC YEAR (2025 – 2026)**

**Naan Mudhalvan – Polytechnic - Faculty Development Program (FDP) on Drone Surveying**

Under the Naan Mudhalvan initiative, a **Faculty Development Program (FDP) on Drone Surveying** was organized at **Coimbatore Institute of Technology sandwich Polytechnic College**, from **30th June to 5th July 2025**. The program was specifically designed for polytechnic faculty members to enhance their knowledge and skills in the latest drone-based surveying technologies. **Mr. M. Chandran, M.E.**, from the Department of Civil Engineering, Sakthi Polytechnic College, participated in the program.



The FDP covered theoretical and practical sessions on drone components, flight planning, aerial data capture, photogrammetry, and GIS applications. Field demonstrations provided hands-on experience in drone operation and data analysis.



The program served as a valuable platform for faculty members to stay updated with modern geospatial techniques, contributing to enhanced teaching and curriculum delivery in polytechnic institutions.



**SAKTHI POLYTECHNIC COLLEGE, SAKTHINAGAR**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**CENTRE FOR GEOSPATIAL SPC**  
**ACTIVITY REPORT – August 2025**

**Dr. R. Shanmugam / Advisor**

**Mr. V. Manimuthu / Coordinator**

**Value-Added Certificate Course on Digital Surveying (Drone & DGPS)**

**on 05.08.2025 to 08.08.2025**

The Centre for Geospatial SPC, in collaboration with the Department of Civil Engineering and Land Coordinate Technology, Chennai, successfully organized a comprehensive Value-Added Certificate Course on Digital Surveying (Drone & DGPS). This intensive four-day program, held from August 5th to August 8th, 2025, from 9:00 AM to 5:00 PM regularly, was designed to equip participants with advanced skills in modern surveying techniques. A total of 31 participants, comprising students and professionals, benefited from the hands-on training and theoretical sessions.



The course concluded with a valedictory function and certificate distribution ceremony on August 8th, 2025. The participants received certificates acknowledging their successful completion of the course, a testament to their dedication and hard work. The program was meticulously organized and executed, thanks to the dedicated efforts of Mr. V. Manimuthu, the Coordinator of the Centre for Geospatial SPC.

The course commenced with a distinguished inaugural function on August 5th, 2025. Dr. R. Shanmugam, the Head of the Department of Civil Engineering, delivered the welcome address, setting a professional and encouraging tone for the event. The Presidential Address was delivered by Dr. S. Senthil Arasu, Principal, who highlighted the growing importance of digital surveying in the field of civil engineering. Dr. K. R. Muthuswamy, Director, graced the occasion with a felicitation address, underscoring the course's relevance to industry demands.



The success of the program was a collective effort. The organizing team extends its gratitude to the staff coordinators, Mr. M. Chandran, Lecturer/Civil, and Mrs. Mallamma, Head of the Department of Agricultural Technology, for their

unwavering support. Special thanks are also due to the organizing team members: Mrs. C. Sowmitha, Mr. P. Dhanasekaran, Mr. S. Marimuthu, Mr. P. G. Sanajiprasath, and Miss. K. Monisha, whose diligent and tireless efforts were instrumental in the successful conduct of the event.



The training sessions were expertly led by Mr. A. Selvam, the Managing Director of Land Coordinate Technology, Chennai, and his proficient team. The resource persons provided in-depth instruction on the practical application of drones and Differential Global Positioning System (DGPS) technology. Participants demonstrated a keen interest in operating the equipment, particularly the drones and DGPS units, and in learning to process and map the collected data using specialized software. This hands-on approach ensured that all participants gained valuable practical experience, which is critical for real-world application.

### Report on Anti-Drug Awareness Pledge Program

**On 11.08.2025, an Anti-Drug Awareness Pledge Program was organized for the Civil Engineering students to raise awareness about the harmful effects of drug use. Faculty members addressed the students and explained how drug abuse negatively impacts one's physical and mental health, education, family, and society.**



**Following this, around 30 students actively participated and took a pledge to lead a drug-free life and to spread awareness about the dangers of drug use among others.**



**This program helped instill a sense of awareness and social responsibility among the students. The faculty appreciated the students' enthusiasm and participation.**



## Civil Engineering Students' Visit to Erode Book Festival Sakthi Polytechnic College

On **11th August 2025**, around **30 Civil Engineering students** from **Sakthi Polytechnic College**, along with faculty members, visited the **Erode Book Festival** at **Chikkaiya Government Arts and Science College**, Erode. The aim was to promote reading habits and expose students to technical and general literature beyond the classroom.



Students explored books on **civil engineering**, **sustainable construction**, **green buildings**, **surveying**, and **structural design**, as well as books on **leadership**, **communication**, and **competitive exams**. Many students purchased books for academic and personal growth.



The visit offered a refreshing learning experience, encouraged **self-learning**, and deepened students' interest in **civil engineering literature**. Faculty members appreciated the students' enthusiasm and expressed interest in organizing similar visits in the future. The students were accompanied by the **Head of the Department, Dr. R. Shanmugam**, and faculty members **Mr. Chandran**, **Mrs. C. Sowmitha**, **Mr. P. Dhanasekaran**, and **Mr. P. G. Sanjai Prasath**.

## One-Day Hiking at Punnam, Erode

The Department of Civil Engineering organized a **one-day hiking trip** to **Punnam, Erode**, on **14.08.2025** for **II Year Civil Engineering students**. The objective of the event was to promote **physical fitness, team spirit, and a deeper appreciation for nature** among students.



During the hike, students explored the **natural terrain**, observed **local geological features**, and participated in **group activities** that encouraged teamwork and outdoor learning. The experience provided a refreshing break from academics while fostering **unity, discipline, and environmental awareness**.



The following faculty members accompanied the students during the hike **Dr. R. Shanmugam., Mrs. C. Sowmitha** and **Ms. K. Monisha**.

Overall, the hiking trip was both **enjoyable and enriching**, contributing to the **holistic development** of the students.



### One-Day Industrial Visit to Water Treatment Plant, Athani and Bhavani Sagar Dam

The Department of Civil Engineering organized a one-day industrial visit on 18.08.2025 for II Year students to the Water Treatment Plant, Athani, and Bhavani Sagar Dam. The visit aimed to provide practical exposure to water treatment processes and large-scale water resource management.

At the Water Treatment Plant, students learned about key purification stages like coagulation, sedimentation, filtration, and disinfection. Plant engineers explained the importance of maintaining water quality and the challenges in providing safe drinking water.



At Bhavani Sagar Dam, one of India's largest earthen dams, students gained insights into dam engineering, irrigation, flood control, and structural components such as spillways and sluice gates. Public Works Department officials elaborated on the dam's design, operation, and its role in regional water management.



Students actively engaged with engineers and officials, deepening their understanding of real-world civil engineering issues. The visit successfully connected theoretical knowledge with practical applications.

Faculty members who accompanied the visit were **Mr. M. Chandran, Mr. V. Manimuthu, Mr. P. Dhanasekaran, and Mr. P. G. Sanjai Prasath.**

Overall, the visit was informative and enriched the students' understanding of water treatment and infrastructure management, complementing their academic curriculum and preparing them for future challenges.

## One-Day Industrial Visit

### Siva Sakthi Blue Metals, Athani & Bhavani Sagar Dam

The Department of Civil Engineering organized a one-day industrial visit for second-year Civil Engineering students to Siva Sakthi Blue Metals, Athani and Bhavani Sagar Dam on 18.08.2025. The objective of the visit was to provide students with **practical exposure to construction material production** and **water resource infrastructure**, thereby reinforcing their classroom learning with real-world experience.

At **Siva Sakthi Blue Metals**, students observed the various stages involved in aggregate production, such as rock blasting, crushing, grading, and storage. The on-site engineers explained the **importance of aggregate quality** in concrete and road construction, as well as the **safety and environmental practices** followed at the plant.



The visit to **Bhavani Sagar Dam** provided valuable insights into **dam engineering**. Students learned in detail about structural components such as **spillways**, **sluice gates**, and the **canal distribution system**. Officials from the **Public Works Department (PWD)** gave a comprehensive explanation about the dam's **operation, maintenance, irrigation management, and flood control measures**.



The following faculty members accompanied the students during the visit **Mr. M. Chandran., Mr. V. Manimuthu., Mr. P. Dhanasekaran., Mr. P. G. Sanjai Prasath.**

This industrial visit proved highly beneficial in enhancing the students' understanding of **construction practices** and **large-scale infrastructure**, effectively bridging the gap between theoretical knowledge and practical application.



## Civil Engineering Students Shine at SANTEKFEST 2025-2026

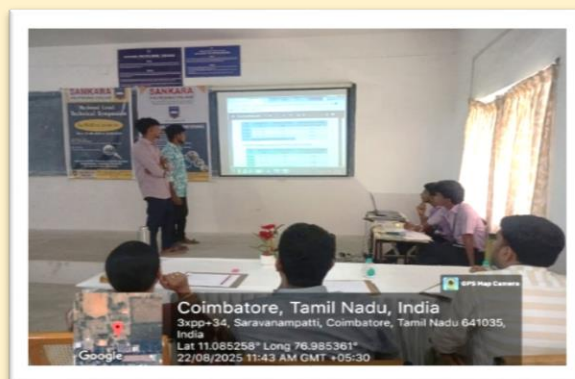
On 22.08.2025, Civil Engineering students from our college won third place at **SANTEKFEST 2025-2026**, an inter-collegiate technical competition hosted by Sankara Polytechnic College, Coimbatore.



**Mr. R. Vignesh** (III Year) and **Mr. M. Jeevabalan** (II Year) impressed judges with their project titled “*IoT in Civil Engineering (Smart Sensors in Structures)*,” earning a cash prize of Rs. 1,000. Their innovative presentation and functional IoT model focused on using smart sensors to monitor structural health.



The project was guided by **Mr. M. Chandran** and **Mr. V. Manimuthu** from the Civil Department, with key technical support from **Mr. M. K. Subramanian** of the Electronics Department.



The Department congratulates the students and mentors on this remarkable achievement.



## Technical Visit to Agasthya Garden Construction Site – August 22, 2025

Third-year Civil Engineering students visited the Agasthya Garden Construction Site in Appakoodal, accompanied by **Mr. M. Chandran** (Lecturer) and **Mr. V. Manimuthu** (Workshop Instructor). The visit covered various construction projects, including residential bungalows, mini villas, and Agasthya Mahal.



Students observed key civil engineering practices such as **Reinforced Cement Concrete (RCC)** work, including rebar cutting and fabrication for columns, beams, and slabs. They were also introduced to **Pre-Engineered Structures (PES)** at Agasthya Mahal, focusing on modern, efficient construction techniques.



The tour emphasized **Construction Management** and **Safety**, where students learned about project scheduling and the importance of using **Personal Protective Equipment (PPE)** on-site. This visit provided valuable hands-on experience and a deeper understanding of civil engineering applications.

## ONE DAY SITE VISIT

The **Department of Civil Engineering, Sakthi Polytechnic College**, organized an **Industry Day Visit** on **09.10.2025** for the **II and III Year Diploma students** as part of their practical learning and industry exposure programme. The visit included three key locations — the **Sewage Water Treatment Plant at Kongu Engineering College, Perundurai**, ongoing **Cinema Theatre Construction Site, Bhavani** and a **Fly Ash Brick Manufacturing Industry, Bhavani**.

The visit to the **Water Treatment Plant at Kongu Engineering College** provided students with valuable insights into the **processes of wastewater collection, treatment, and recycling**. They observed various treatment stages, including sedimentation, filtration, and disinfection, and understood how treated water is reused effectively within the campus. The session highlighted the importance of sustainable water management and advanced treatment technologies.



At the **Cinema Theatre Construction Site**, students were exposed to **practical aspects of structural construction**, including foundation works, reinforcement detailing, shuttering, concrete placement, and site safety measures. This visit bridged the gap between classroom learning and field applications, helping students gain a better understanding of the execution sequence and quality control practices in real construction environments.



The final visit to the **Fly Ash Brick Manufacturing Industry** familiarized students with the **production process of eco-friendly building materials**. They observed the mixing, molding, curing, and testing processes of fly ash bricks and learned about their advantages over conventional clay bricks in terms of strength, cost, and environmental sustainability.



Through this **Industry Day Programme**, students gained **hands-on exposure** to different sectors of the civil engineering field, including environmental engineering, building construction, and sustainable materials. The visit enhanced their **technical knowledge, practical understanding, and industrial awareness**, preparing them to meet future professional challenges.

The department extends its gratitude to the management, staff coordinators, and industry personnel for their support in making the programme a grand success. The students were accompanied by the Head of the Department, Dr. R. Shanmugam, and faculty members Mr. P. Dhanasekaran, Mr.S. Marimuthu, Mr.V.Manimuthu, , Mr. P. G. Sanjai Prasath.



## PARENTS MEETING REPORT

The **Department of Civil Engineering, Sakthi Polytechnic College**, organized a **Teachers–Parents Meeting** on **15.10.2025** for the **II and III Year Diploma in Civil Engineering** students. The objective of the meeting was to strengthen the relationship between the institution and parents, review the academic progress of students, and discuss measures for their overall development.

The meeting commenced with a welcome address by the **Head of the Department**, who highlighted the department's achievements, ongoing academic initiatives, and various student development programs. Faculty members briefed the parents about the **academic performance, attendance, discipline, and co-curricular participation** of the students. Parents were encouraged to share their feedback and suggestions to improve the teaching-learning process and student support systems.



During the interactive session, the faculty discussed the importance of **regular attendance, active participation in practical and project work**, and preparation for upcoming examinations. The role of parents in motivating students to maintain consistency and discipline in their studies was also emphasized.

Parents appreciated the department's continuous efforts in providing quality education, industrial exposure, and skill-based training under schemes like *Naan Mudhalvan* and *Industry-Institute Interaction Programmes*. They expressed satisfaction over the transparent communication maintained between teachers and parents regarding student progress.

The meeting concluded with a vote of thanks delivered by a senior faculty member, acknowledging the valuable participation and cooperation of the parents. The **Teachers–Parents Meeting** provided an effective platform for mutual understanding and collaboration aimed at enhancing students' academic performance and personal growth. **Head of the Department, Dr. R. Shanmugam, and faculty members Mr. P. Dhanasekaran, Mr.V.Manimuthu, Mr.S. Marimuthu, Mr. P. G. Sanjai Prasath.**

## ONE DAY SITE VISIT

The Department of Civil Engineering, Sakthi Polytechnic College, organized an Educational Visit on **23.12.2025** for the **II** and **III** Year Diploma students as part of their practical learning and industrial exposure programme. The visit included two important locations — the **G.D. Naidu Industrial Exhibition and Museum, Coimbatore** and **Kovai cutralam Waterfalls, Coimbatore**.



The visit to the **G.D. Naidu Industrial Exhibition and Museum** provided students with valuable insights into scientific inventions, engineering models, and technological developments created by the great inventor G.D. Naidu. Students observed several innovative devices, mechanical instruments, electrical equipment, and early motor vehicles displayed in the museum.

The exhibits helped students understand how engineering principles are applied in real life inventions and encouraged them to think creatively and develop innovative ideas in the field of science and technology.

Students also observed different working models and historical inventions that demonstrated the evolution of engineering and industrial development. The visit helped them understand the importance of experimentation, creativity, and practical knowledge in engineering. It also highlighted the contribution of G.D. Naidu to industrial and technological progress in India.



Later, the students visited Kovai cutralam Waterfalls, which is located in the Western Ghats near Coimbatore. This visit helped students understand the natural water sources, watershed areas, and the importance of water conservation. Students observed the natural flow of water from the hills and gained awareness about environmental protection, forest conservation, and sustainable use of natural resources.

Through this Educational Visit Programme, students gained practical exposure to scientific innovations, engineering developments, and natural environmental resources. The visit enhanced their technical knowledge, environmental awareness, and practical understanding beyond classroom learning.

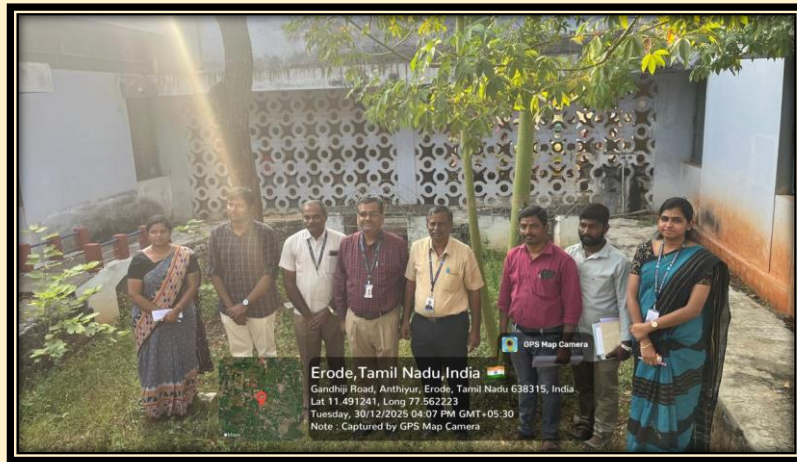
The department extends its gratitude to the management, staff coordinators, and the authorities of the visited locations for their support in making the programme a grand success

**The one day visit to Coimbatore was organized under the guidance of Dr. R. Shanmugam, Head of the Department of Civil Engineering. The students were accompanied by the faculty member Ms. C. Sowmitha. The programme was also supported by Mr. P. Dhanasekaran (Junior Drafting Officer) and Mr. V. Manimuthu (Workshop Instructor). In addition, the Lab Assistants Mr. Marimuthu and Mr. Sanjay assisted in coordinating the students during the visit. Their support and guidance helped in conducting the visit smoothly and ensured that the students gained useful knowledge and experience.**

### **NBA Compliance Report Preparation – Expert Visit**

The Department of Civil Engineering, Sakthi Polytechnic College, organized an academic support session on **30.12.2025** in connection with the preparation and verification of the **NBA compliance report** for the department. **Dr. G.L. Sathyamoorthy**, Professor from the Civil Engineering Department, visited the institution to guide and assist the faculty members in completing the required documentation and standards related to the NBA accreditation process.





During the visit, Dr. G.L. Sathyamoorthy interacted with the faculty members and reviewed the documents prepared for the **National Board of Accreditation (NBA)** compliance. He explained the important criteria required for NBA accreditation, including programme outcomes, course outcomes, teaching learning process, student performance records, and continuous improvement practices.

He also provided detailed guidance on maintaining proper documentation, preparing course files, organizing laboratory records, and compiling evidence required for the accreditation process. His suggestions helped the

faculty understand the standards expected by NBA and the methods to present the departmental activities in a systematic and effective manner.

The session was very useful for the faculty members as it clarified many aspects of NBA documentation and compliance requirements. The guidance provided by Dr. G.L. Sathyamoorthy helped the department strengthen its preparation for the accreditation process and improve the overall quality of academic documentation.



The management and faculty members of the Civil Engineering Department express their sincere gratitude to **Dr. G.L. Sathyamoorthy** for his valuable time, guidance, and support in assisting the department with the NBA compliance report preparation.

## PONGAL CELEBRATION

The Department of Civil Engineering, Sakthi Polytechnic College, organized a **Pongal Celebration on 13.01.2026** for the students of the department. The programme was conducted with the objective of celebrating the traditional harvest festival and encouraging student participation in cultural and fun activities.



As part of the celebration, several **fun games and activities** were organized for the students. The events included **Musical Chair, Pot Breaking (Uriyadi), and Lucky Number** games. These activities created a joyful atmosphere and encouraged students to actively participate in the celebration.



Students from **both II Year and III Year Civil Engineering** enthusiastically took part in the games. The events were conducted in a friendly and competitive spirit, and the students enjoyed the festive celebration with great excitement.



At the end of the programme, the **winners of each game were awarded prizes** in appreciation of their participation and performance. The celebration helped students relax from their academic schedule and strengthened friendship and teamwork among them.



The Pongal celebration was successfully organized with the support of the **Civil Engineering Department faculty and students**. The programme concluded with happiness and active participation from all the student

### ONE DAY VISIT

The Department of Civil Engineering, Sakthi Polytechnic College, organized a **one day educational visit on 12.02.2025** for the **III Year Diploma Civil Engineering students** as part of their academic learning and field exposure programme. The visit included important locations in and around Mysore: **Mysore Zoo in the morning, Mysore Palace in the afternoon, Tipu Sultan's Summer Palace at Srirangapatna, and Krishna Raja Sagara (KRS) Dam in the evening.**





The first visit was to the **Mysore Zoo**, one of the oldest and well maintained zoological parks in India. Students observed a wide variety of animals, birds, and reptiles kept in well designed enclosures. The visit helped students understand wildlife conservation and the importance of maintaining natural habitats for animals.

Students also observed the planning of pathways, drainage systems, landscaping, and public facilities which are important aspects in the development of large public spaces.



In the afternoon, students visited the **Mysore Palace**, which is a famous historical monument and an example of Indo Saracenic architectural style. Students observed the structural design of the palace, including arches, domes, decorative columns, and detailed carvings. The visit helped them understand the construction techniques used in historical buildings and the importance of preserving heritage structures.



After that, students visited **Tipu Sultan's Summer Palace at Srirangapatna**. The palace is known for its wooden structure, artistic pillars, and traditional architectural design. Students observed the layout of the building and learned about the historical importance of the structure. The visit helped them understand how traditional construction methods and materials were used during that period.



In the evening, the students visited the **Krishna Raja Sagara (KRS) Dam**, which is constructed across the Cauvery River. The dam plays an important role in irrigation and water supply for the surrounding regions. Students observed the structure of the dam and learned about water storage, irrigation systems, and the importance of water resource management in civil engineering. Through this educational visit, the **III Year Civil Engineering students** gained valuable knowledge about wildlife conservation, historical architecture, traditional construction methods, and water resource engineering. The visit helped them relate classroom learning with real world observations and improved their practical understanding. The department expresses its sincere thanks to the management, staff coordinators, and the authorities of the visited places for their support in making the educational visit informative and successful. The educational visit was successfully organized under the guidance of **Dr. R. Shanmugam, Head of the Department of Civil Engineering**. The students were accompanied by the faculty members **Ms. V. Renu** and **Ms. C. Sowmitha**. The **Lab Assistants Mr. Marimuthu** and **Mr. Sanjay** also accompanied the students and provided support during the visit. Their guidance and coordination helped in conducting the educational trip safely and effectively, ensuring that the students gained useful knowledge and experience from the visit.

### RAILWAY STATION VISIT

The Department of Civil Engineering, Sakthi Polytechnic College, organized an **educational visit to the Railway Station on 26.02.2026** for the **II Year Diploma Civil Engineering students** as part of their practical learning programme.



During the visit, students observed the **basic layout and facilities available in the railway station** such as platforms, railway tracks, ticket counters, waiting areas, and passenger facilities. The visit helped students understand how railway stations are planned and maintained for smooth passenger movement and train operations.



Students also observed the **railway track structure**, including **rails, sleepers, and ballast**. They learned about the importance of proper track alignment, drainage, and regular maintenance for safe train movement.

The officials explained the role of these components in supporting the weight of trains and ensuring stability of the tracks.





In addition, students gained knowledge about the **basic signalling system and safety measures** followed in railway transportation. Signals help in controlling train movement and preventing accidents by guiding the train drivers.

Through this visit, the **II Year Civil Engineering students** gained useful practical knowledge about railway infrastructure and transportation systems. The visit helped them understand how civil engineering principles are applied in railway construction and maintenance.

The railway station educational visit was successfully organized under the guidance of the faculty members **Ms. Renu V, Ms. C. Sowmitha, and Mr. V. Mani Muthu** from the Department of Civil Engineering.

The railway station visit was coordinated with the support of **Mr. Ramachandran from the Railway Department**, who assisted the students during the visit and explained the functioning of the railway station and its infrastructure. He provided useful information about railway track components, signalling systems, and safety procedures followed in railway transportation. The Department of Civil Engineering expresses its sincere thanks to **Mr. Ramachandran** for his valuable guidance and cooperation in making the visit informative and successful.

### PARENTS MEETING

The Department of Civil Engineering, Sakthi Polytechnic College, on **20/02/2026** organized a **Parents–Teachers Meeting** for the students of the department to discuss the academic performance and overall development of the students.

During the meeting, the faculty members interacted with the parents and explained the **academic progress, internal assessment marks, attendance, and discipline of the students**. The teachers also highlighted the importance of regular attendance, good study habits, and active participation in academic activities.



The **II Year Civil Engineering** students were guided by the class in-charge **Ms. Renu V**, and the **III Year Civil Engineering** students were guided by the class in-charge **Mr. R. Sree Venkatesan**. They explained the academic status of the students to the parents and clarified their doubts regarding studies and examinations.

Parents actively participated in the meeting and **shared their valuable feedback and suggestions** regarding the improvement of students' learning

and development. They appreciated the efforts taken by the department and faculty members in guiding the students.



The meeting helped to strengthen the **communication between parents and teachers**, which plays an important role in improving the academic performance and discipline of the students.



The department expresses its sincere thanks to the **parents, faculty members, and management** for their support in making the meeting meaningful and successful.

### NAAN MUDHALVAN

The **Naan Mudhalvan course** is included as part of the academic syllabus for the **II Year Civil Engineering students** of Sakthi Polytechnic College. The course aims to improve the technical and practical skills of students and prepare them for modern industry requirements.

The course conducted under this programme was **SketchUp**, which is a 3D modelling software widely used in civil engineering, architecture, and construction for creating building models and visualizing designs.

The course started at the **beginning of the semester and was conducted throughout the semester**, and it was successfully **completed on 28.02.2026**. The training sessions were handled by **Er. B. Paval**, who served as the trainer for the programme. During the course, students were introduced to the various tools and features of SketchUp and learned how to create basic 3D models, building layouts, and structural designs.

Students actively participated in the training sessions and practiced developing different models using the software. This helped them understand the importance of digital modelling and visualization in modern construction and design practices





The one day visit to Coimbatore was organized under the guidance of **Dr. R. Shanmugam, Head of the Department of Civil Engineering**. The students were accompanied by the faculty member **Ms. C. Sowmitha**. The programme was also supported by **Mr. P. Dhanasekaran (JDO)** and **Mr. V. Manimuthu (Workshop Instructor)**. In addition, the **Lab Assistants Mr. Marimuthu and Mr. Sanjay** assisted in coordinating the students during the visit. Their support and guidance helped in conducting the visit smoothly and ensured that the students gained useful knowledge and experience.

The course was conducted under the guidance of the **faculty in-charge Ms. V. Renu**, who monitored the progress of the students and coordinated the activities related to the course for the II Year Civil Engineering students.

The Naan Mudhalvan course helped students improve their **software knowledge, technical skills, and practical understanding** of modern design tools used in civil engineering. The department expresses its sincere thanks to **Er. B. Paval and Ms. V. Renu** for their guidance and support in successfully completing the course.

## INTER DEPARTMENT SYMPOSIUM

The Department of Civil Engineering, Sakthi Polytechnic College, on **27/02/2026** conducted an **Inter Department Symposium** to encourage student participation, creativity, and interaction among different departments. As part of the symposium, several fun and engaging activities were organized for the students.

Three interesting events were conducted during the programme: **Jumble Words, Connections, and Brick Holding**. These activities were designed to improve students' thinking ability, teamwork, and concentration while also creating an enjoyable and competitive environment.



In the **Jumble Words** event, participants were asked to identify the correct words by rearranging the given letters. This activity helped improve students' vocabulary and quick-thinking skills.



The **Connections** event tested the students' ability to find the relationship between different images or words. Participants carefully analysed the clues and identified the correct connection.



The **Brick Holding** event was a physical challenge where participants had to hold a brick with their hands for as long as possible. This activity tested the students' strength, patience, and determination.



Students from different departments actively participated in the events and showed great enthusiasm throughout the programme. **Prizes were awarded to the winners** in each event to appreciate their performance and participation.





The Inter Department Symposium was conducted successfully and helped students develop confidence, teamwork, and active participation beyond academic activities. The department expresses its sincere thanks to the faculty members and students who supported the successful conduct of the programme. **Head of the Department, Dr. R. Shanmugam, and faculty members Miss V.Renu, Mr.R. Sree Venkatesan ,Mrs. C. Sowmitha, Mr. S. Marimuthu, Mr.V.Manimuthu, Mr. P. G. Sanjai Prasath.**

### BIS TECH 2K26 – Hands-on Workshop on Testing of Concrete Strength and Structural Modelling as per Indian Standard Codes (IS 2386 & IS 516) on 18.02.2026

The Bureau of Indian Standards (BIS), Coimbatore Office, proudly sponsored BIS TECH 2K26 – Day 1, a vibrant and knowledge-enriching technical event organized by the BIS Standards Club (ID: 7026) on 18.02.2026. The programme began with an enthusiastic registration session, welcoming 95 Civil Engineering students from various colleges and nearby institutions, clearly reflecting the growing awareness and interest in quality assurance and standardization practices.



The forenoon session featured an intensive Hands-on Workshop on Testing of Concrete Strength as per Indian Standards, with detailed focus on IS 2386 (Part 1–8) and IS 516:1959 prescribed by BIS. The event commenced with a warm welcome address by **Dr. R. Shanmugam, HOD/Civil and Mentor of BIS Standards Club (7026).** This was followed by the Presidential Address by **Dr. S. Senthil Arasu, Principal,** and the Felicitation Address by **Dr. K. R. Muthuswamy, Director.**

The inaugural and special address was delivered by the Chief Guest, **Mr. Nirmal Kathirvel, Founder of Towards the Change Foundation, Coimbatore.** In his inspiring speech, he highlighted the vital role of IS codes in ensuring structural safety, durability, and uncompromised quality in construction practices.



Participants actively engaged in practical demonstrations, gaining valuable hands-on experience in concrete testing procedures and understanding the importance of strict adherence to standardized quality control measures.



The afternoon session further elevated the excitement with Tower and Bridge Modelling as per Indian Codes, focusing on IS 802 (Part 1–4), IRC 112, and IS 1893 (Part 3). Students enthusiastically showcased their innovative ideas by designing structurally efficient models aligned with Indian code provisions. The resource persons carefully evaluated the models and selected the best four teams for prizes.



The event was successfully coordinated by Miss V. Renu, Lecturer (Civil), along with a committed organizing team comprising Mr. R. Sree Venkatesan, Mrs. C. Sowmitha, Mr. P. Dhanasekaran, Mr. S. Marimuthu, Mr. P. G. Sanjai Prasath, and Mrs. R. Kokila. The Final and Second Year Civil Engineering members of the BIS Standards Club (7026) played a pivotal role in executing the programme systematically and professionally. The programme concluded with a heartfelt vote of thanks by Mr. V. Manimuthu, Coordinator, marking the grand success of BIS TECH 2K26 – Day 1.

## BIS TECH 2K26: Hands-on Seminar on Indian Standard Codes for Building Construction, Code Cracking Quiz & Mini Model Display on Decorative Lightweight Concrete on 19.02.2026

The Bureau of Indian Standards (BIS), Coimbatore Office, proudly sponsored BIS TECH 2K26 – Day 2, organized by the BIS Standards Club (ID: 7026) on 19.02.2026. The second day showcased an insightful and technically enriching Seminar on Indian Standard Codes for Building Construction, which witnessed the enthusiastic participation of 95 Civil Engineering students from various colleges and nearby institutions.



The forenoon session commenced with registration, followed by a warm welcome address by Dr. R. Shanmugam, Mentor of BIS Standards Club (7026). The Presidential Address was delivered by Dr. S. Senthil Arasu, Principal, and the Felicitation Address by Dr. K. R. Muthuswamy, Director. The special address and technical seminar were presented by the Chief Guest, Dr. Vennila A., Assistant Professor-II, Kumaraguru College of Technology. She elaborately explained the BIS structure and highlighted the practical applications of vital construction codes including IS 2112, IS 875 (Part 1-5), IS 4326, IS 800, and IS 1641. Her session emphasized the importance of BIS standards in ensuring structural safety, quality control, and sustainable construction practices.



In the afternoon, an engaging “Code Cracking” Quiz based on IS 456, IS 383, and IS 10262 tested students’ technical knowledge and understanding of quality practices in construction. The quiz was successfully coordinated by Mrs. C. Sowmitha, Lecturer (Civil). Students enthusiastically participated, showcasing their strong grasp of IS provisions.





Following the quiz, students presented a Mini Model Display on Decorative Lightweight Concrete as per IS 9142:2018. The exhibits reflected creativity, technical competence, and adherence to safety standards. The models were evaluated carefully, and the best four were selected for prizes. This event was effectively coordinated by Mr. R. Sree Venkatesan, Lecturer.



The programme was seamlessly organized by Miss V. Renu, Mr. P. Dhanasekaran, Mr. S. Marimuthu, Mr. P. G. Sanjai Prasath, and Mrs. R. Kokila, along with the dedicated Final and Second Year Civil Engineering Standards Club members. The event concluded with a heartfelt vote of thanks by Mr. R.Vignesh. Student Leader, BIS SC Club. The over all event was successfully coordinated and arranged in well manner by V.Manimuthu, W/S Instructor and Coordinator. Special gratitude is extended to the BIS Coimbatore Office for their financial and technical support, and to Mr. Saravanakumar, BIS Coimbatore, for his continuous encouragement in making BIS TECH 2K26 a grand success.

**ICACI Student Chapter conducted a prize distribution ceremony for 2024 ICACI Concrete Cube Test competition on 05.08.2025**



The much-anticipated prize distribution ceremony for the 2024 ICACI Concrete Cube Test Competition, generously sponsored by the ICACI Mumbai Chapter, was held on August 5, 2025, at Sakthi Polytechnic College. The event celebrated the outstanding achievements of participating students and recognized their excellence in concrete technology.

The program commenced with a warm welcome address by Dr. R. Shanmugam, Mentor of ICACI, who highlighted the importance of such competitions in fostering practical skills and innovation among budding civil engineers. This was followed by the presidential address delivered by Dr. S. Senthil Arasu, Principal of Sakthi Polytechnic College, who applauded the efforts of both students and faculty for their dedication and commitment to quality education. The felicitation address was presented by Dr. K.R. Muthuswamy, Director, who emphasized the critical role of industry-academia collaborations in enhancing technical competencies.

The winners were awarded cash prizes in recognition of their exemplary performance. The First Prize of Rs. 10,000 was awarded to Mr. S. Thesiyan and his team from Kongu Polytechnic College, Perundurai. The Second Prize of Rs. 7,000 was received by Mr. S. Lingeswaran and his team from Shree Venkateshwara Hi-Tech Polytechnic College, Gobi. The Third Prize of Rs. 3,000 went to Mr. M. Kartheeshwara and his team from Sakthi Polytechnic College, Sakthinagar, Anthiyur. The prize distribution symbolized not only the students' hard work but also their ability to apply theoretical knowledge in practical scenarios effectively.

The ceremony concluded with a heartfelt vote of thanks by Mr. V. Manimuthu, Coordinator of the ICACI Student Chapter, who expressed gratitude to the sponsors, faculty, and all participants for making the competition a resounding success. The event was expertly organized by faculty and staff members of the Civil Engineering Department, including Mrs. C. Sowmitha, Mr. M. Chandran, Mr. P. Dhanasekaran,

Mr. S. Marimuthu, Mr. P.G. SanjaiPrasath, and Miss M.K. Monisha. Their meticulous planning and seamless execution ensured that the ceremony was conducted with great dignity and enthusiasm.

## **ICACI Student Chapter conducted a Paper Presentation on “Advanced Concrete Technology on 19.09.2025**

The Department of Civil Engineering, under the banner of the ICACI Student Chapter, successfully organized a **Paper Presentation Event on “Advanced Concrete Technology” on 19th September 2025**, exclusively for student members. The program was conceived to provide a platform for budding civil engineers to showcase their technical knowledge and research aptitude in the field of modern concrete advancements.

The event commenced with a **Special Lecture** delivered by Dr. R. Shanmugam, Advisor, ICACI SPC Chapter, who provided a comprehensive overview of the latest innovations in concrete science and highlighted the pivotal role of sustainable and high-performance materials in future infrastructure development.





Sakthi Nagar, Tamil Nadu, India  
Fhr6+wr8, Sakthi Nagar, Tamil Nadu 638315, India  
Lat 11.491209° Long 77.562168°  
19/09/2025 01:58 PM GMT +05:30



सक्ति नगर, तमिल नाडु, भारत  
Fhr6+wr8, सक्ति नगर, तमिल नाडु 638315, भारत  
Lat 11.491322° Long 77.562215°  
19/09/2025 01:37 PM GMT +05:30

Following the inaugural session, teams of student members presented technical papers on diverse topics such as self-compacting concrete, fiber-reinforced composites, geopolymers concrete, nano-material applications, and smart concrete systems. The presentations reflected the students' keen interest in addressing current challenges and their ability to explore cutting-edge solutions within the realm of construction technology.

The event was meticulously organized by the faculty and technical staff of the Civil Engineering Department, including Mrs. C. Sowmitha, Lecturer; Mr. M. Chandran, Lecturer; Mr. P. Dhansekaran, Junior Drafting Officer; Mr. S. Marimuthu, Skilled Assistant; Mr. P. Sanjai Prasad, Laboratory Assistant; and Ms. K. Monisha, Laboratory Assistant. The overall coordination of the program was effectively managed by Mr. V. Manimuthu, Coordinator, ICACI SPC Chapter.

This technical event served as a constructive platform for knowledge exchange, fostering research culture among students and inspiring them to pursue innovations in **Advanced Concrete Technology** for sustainable and resilient construction practices.

### "India Chapter of American Concrete Institute, Mumbai Sponsored All India Students Concrete Cube Competition 2025, Conducted by Sakthi Polytechnic College Civil Engineering Department ICACI- Student's Chapter on 18.02.2026"

"Sponsored by the India Chapter of the American Concrete Institute (ICACI), Mumbai, the All India Students Concrete Cube Competition 2025 was successfully organized by the Department of Civil Engineering at Sakthi Polytechnic College, Erode, on February 18, 2026. Held under the auspices of the ICACI Student's Chapter, the event offered a national stage for students to demonstrate their proficiency in concrete testing.

The competition witnessed a robust turnout of 13 teams from distinguished colleges such as Thiagarajar Polytechnic College, Kongu Polytechnic College, KSR Institute of Technology, Shree Venkateswara Hitech Polytechnic College, Muthayammal Polytechnic Institutions, and others. The initiative was instrumental in bridging theoretical knowledge with practical application while encouraging professional camaraderie."



The proceedings commenced with the registration of delegates from participating institutions. The Welcome Address was articulated by Dr. R. Shanmugam, Faculty Advisor of the ICACI Student's Chapter, who underscored the fundamental significance of concrete cube testing within the Civil Engineering paradigm.





Following this, the Presidential Address was delivered by Principal Dr. S. Senthil Arasu, who exhorted students to bridge the gap between theoretical constructs and pragmatic engineering challenges. The inaugural session reached its zenith with an address by Director Dr. K. R. Muthuswamy, who highlighted the pivotal role of technical symposia in sculpting the professional trajectories of aspiring engineers.

To conclude the formal ceremonies, participants on the stringent evaluation criteria, including methodology, precision, and meticulous adherence to international testing standards.

Dr. R. Shanmugam elucidated the competitive framework, briefing

The competition involved hands-on concrete cube testing, where each team was required to perform the testing under controlled conditions. The teams from all the participating colleges followed the detailed instructions carefully, ensuring a fair and structured testing process. The students demonstrated a high level of competence, and the event was marked by a spirit of collaboration and professionalism.

After completing the testing, the results were carefully calculated, and the Prize Distribution Ceremony was held. The awards were presented by Dr. S. Senthil Arasu, Principal of Sakthi Polytechnic College, who congratulated the winners and presented certificates to all participants.

The winners of the competition were:

1. First Prize: Sakthi Polytechnic College, Erode – ₹10000/-
2. Second Prize: Shree Venkateswara Hitech Polytechnic College, Gobi – ₹7000/-
3. Third Prize: Sakthi Polytechnic College, Erode – ₹3000/-



The prizes were sponsored by the India Chapter of the American Concrete Institute, Mumbai, and the winners were recognized for their exceptional performance and adherence to testing standards.

The Valedictory Function was a reflective session where participants shared their experiences and takeaways from the competition. The event not only allowed students to apply their theoretical knowledge but also gave them the opportunity to interact with peers from other institutions. We are thankful to Dr. G. S. Rampradheep, Director of ICACI – Southern Region, for providing valuable guidance and motivation for the event.

Organizing Committees and Support:

The event was made possible by the collective efforts of various organizing committees, which included:

- Registration Committee
- Invitation and Flex Banner Works
- Cube Testing
- Hospitality
- Photography and Video Documentation
- Reception and Valedictory Functions

The Department of Civil Engineering Staff played an instrumental role in the successful execution of the event, with the following individuals contributing significantly:

- Ms.V.Renu, Lecturer
- Mr.R.Sree Venkatesan, Lecturer
- Mrs. C. Sowmitha, Lecturer
- Mr. P. Dhanasekaran, Junior Drafting Officer
- Mr. S. Marimuthu, Skilled Assistant
- Mr. P. G. SanjaiPrasath, Lab Assistant
- Mrs. . R.Kokila, Lab Assistant

Additionally, the ICACI-Student Chapter Mr.R.Vignesh, President and members from the second and third-year Civil Engineering students at Sakthi Polytechnic College actively contributed to the smooth running of the event, demonstrating their enthusiasm and dedication.

The event concluded with a Vote of Thanks by Mr. V. Manimuthu, Coordinator of the ICACI Student's Chapter at Sakthi Polytechnic College. He expressed gratitude to the dignitaries, participants, guests, and all those involved in making the event a resounding success. Special thanks were also given to the sponsors, India Chapter of the American Concrete Institute, Mumbai, for their generous support in organizing the event.

Through this competition, the Department of Civil Engineering at Sakthi Polytechnic College continues to foster an environment of excellence, innovation, and practical learning for our students.

***Outstanding Student Chapter award Received from American Concrete Institute, United States America on 15.02.2026***

