

SAKTHI POLYTECHNIC COLLEGE

Sakthinagar – 638 315



MAGAZINE

Department of Civil Engineering



ACADEMIC YEAR 2024 – 2025

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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..

ODD SEMESTER 2024

DEPARTMENT OF CIVIL ENGINEERING

Civil Engineering Students Embark on Enriching Industrial Visit

On July 24, 2024, a group of enthusiastic Civil Engineering students embarked on an enlightening industrial visit to three prestigious sites: Siva Sakthi Brick & Blue Metals, a Water Treatment Plant near Athani, and the iconic Bhavanisagar Dam.

Siva Sakthi Brick & Blue Metals

The day began with a visit to Siva Sakthi Brick & Blue Metals, a leading manufacturer of high-quality bricks and blue metals. Students gained valuable insights into the manufacturing process, from raw material sourcing to final product delivery. They witnessed the production of various types of bricks and aggregates, understanding the importance of quality control and material testing.



Water Treatment Plant, Athani

Next, the students visited the Water Treatment Plant near Athani, where they learned about the intricate processes involved in water purification and supply. The plant's engineers explained the stages of treatment, including coagulation, sedimentation, filtration, and disinfection. Students observed the state-of-the-art facilities and equipment, grasping the significance of water treatment in maintaining public health.

Bhavanisagar Dam

The final destination was the majestic Bhavanisagar Dam, a gravity dam built across the Bhavani River. They received detailed explanations about the dam's construction, hydroelectric power generation, irrigation benefits, and flood control measures. The students also observed the dam's operation and maintenance procedures.

The industrial visit to Siva Sakthi Brick & Blue Metals, Water Treatment Plant, and Bhavanisagar Dam was a resounding success. It provided Civil Engineering students with a unique opportunity to gain practical knowledge, network with industry professionals, and develop a deeper understanding of the field. Such visits foster a stronger connection between academia and industry, preparing students for successful careers in Civil Engineering.

STEM Park Visit : On August 12, 2024, students from the Department of Civil Engineering at Sakthi Polytechnic College embarked on an educational excursion to the Science, Technology, Engineering, and Mathematics (STEM) Park in Erode. This visit provided a hands-on learning experience, showcasing innovative technologies and engineering solutions.

During their time at the park, students interacted with various exhibits and demonstrations, gaining valuable insights into the practical applications of their studies. The trip also featured informative sessions on cutting-edge research and advancements in the field.

Overall, the experience deepened their understanding of STEM principles and fostered a greater appreciation for their future careers in engineering, proving to be both enlightening and inspiring.



Blood Donation Camp

On August 13, 2024, a blood donation camp was organized by the Rotaract Club in collaboration with the Government Hospital in Gobi and the Primary Health Centre in Athani at our campus. Students from the Department of Civil Engineering showcased their commitment to social responsibility by actively participating in the event.

Their enthusiastic contributions reflected a strong dedication to community welfare, underscoring the importance of supporting local health initiatives. The camp served as a testament to the college's ongoing efforts to engage students in meaningful service to the community.



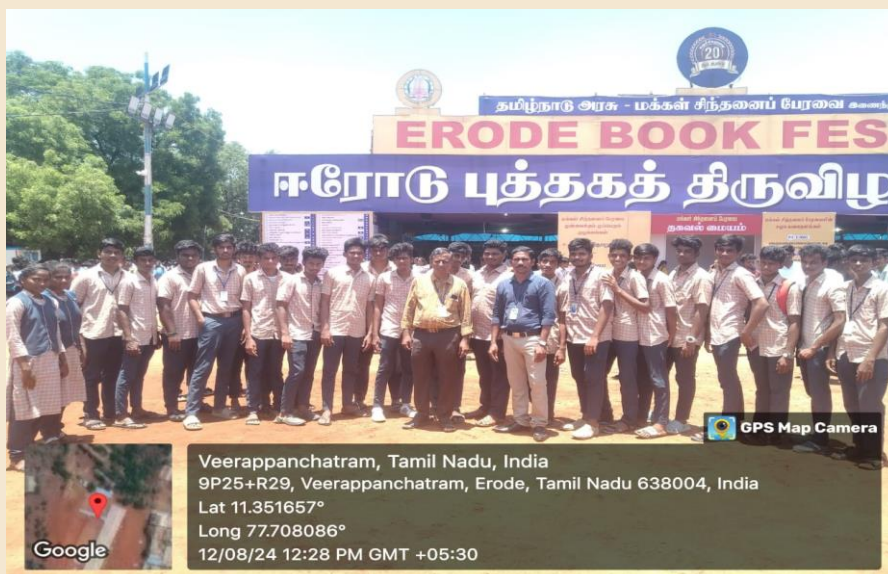
Civil Engineering Students Take Pledge Against Drug Usage

Students from the Department of Civil Engineering at Sakthi Polytechnic College took a strong stand against drug usage by participating in a pledge ceremony on 12.08.2024. The initiative aimed to promote a drug-free lifestyle and reinforce the importance of wellness and responsibility. By making this commitment, the students demonstrated their dedication to fostering a supportive and healthy academic environment. The event was a key part of ongoing efforts to combat substance abuse and encourage positive behaviours within the college community.



Civil Engineering Students Explore Book Festival in Erode

On August 12, 2024, students from the Department of Civil Engineering at Sakthi Polytechnic College visited the Book Festival in Erode, jointly organized by the Government of Tamil Nadu and Makkal Sinthanai Peravai. The event featured a diverse collection of books and literary discussions, offering students a unique opportunity to explore educational and professional literature. The visit broadened their perspectives and encouraged a deeper engagement with academic resources.



Industrial Visit to Sewage Treatment Plant:

As part of our academic curriculum, the students of Civil Engineering visited the Kongu Engineering College Sewage Treatment Plant on 05.09.2024. The objective of this industrial visit was to provide hands-on experience and insight into the operation and management of a sewage treatment plant.

The primary objective of this visit was to:

1. Understand the process of wastewater treatment
2. Familiarize students with the design and operation of a sewage treatment plant
3. Emphasize the importance of water conservation and pollution control

During the visit, students observed:

1. Inlet chamber and screening process
2. Primary and secondary clarification
3. Aeration and biological treatment
4. Tertiary treatment and disinfection
5. Sludge management and handling

The industrial visit to the sewage treatment plant provided valuable practical experience for our students. The knowledge gained will aid in designing and developing sustainable solutions for wastewater management.



Forum meeting :

On July 27, 2024, in a Forum meeting featuring former lecturer Mr. K. T. Rajiv as the special guest was held. Mr. Rajiv, who served in the department from 2015 to 2019, now working as a Geotechnical Engineering Manager at Meinhardt India, Bangalore, delivered a session on "Basics of Geotechnical Engineering." His insights helped to bridge learning gaps and sparked greater interest in the subject among students. The interactive session allowed students to address various doubts and gain deeper knowledge about the geotechnical field.



/ICACI Student Chapter conducted an Essay Writing Competition

The India Chapter of the American Concrete Institute (ACI) Student Chapter conducted an Essay Writing Competition on December 27, 2024, focused on raising awareness about ACI codes. The event aimed to engage students in understanding the significance of ACI's standards and guidelines in the field of concrete construction and design.

ACI codes are essential for ensuring safety, quality, and sustainability in concrete structures. These codes provide a systematic approach to the design, construction, and maintenance of concrete structures, addressing critical aspects such as material specifications, structural integrity, and durability. The competition encouraged students to delve into various ACI codes, highlighting their role in enhancing the performance of concrete in real-world applications.



The event was an excellent platform for students to expand their knowledge of concrete engineering, while also fostering a deeper appreciation for the importance of standardized codes in the construction industry. It further aimed to develop future engineers who are well-versed in global practices and ready to implement ACI codes in their professional careers.

Overall, the competition was an enriching experience that promoted the sharing of ideas and knowledge among young minds, empowering them to contribute to the ongoing development of the construction industry.

Industrial Visit to Build Expo 2024

On December 28, 2024, our Civil Engineering students from 1st, 2nd, and 3rd year embarked on an enlightening industrial visit to Build Expo 2024, held at Parimalam Mahal, Erode. This expedition provided students with a unique opportunity to explore the latest advancements in building materials and cutting-edge technologies.

Under the guidance of esteemed faculty members, Dr. R. Shanmugam, Head of the Department of Civil Engineering, Mr. M. Chandran, Lecturer and Mr. V. Manimuthu, Workshop Instructor, the students gained invaluable insights into the newest trends and innovations in the civil engineering domain.



The visit enabled students to:

- Familiarize themselves with modern building materials and their applications.
- Understand the latest technologies and techniques employed in the construction industry.
- Interact with industry experts and professionals, fostering networking opportunities.

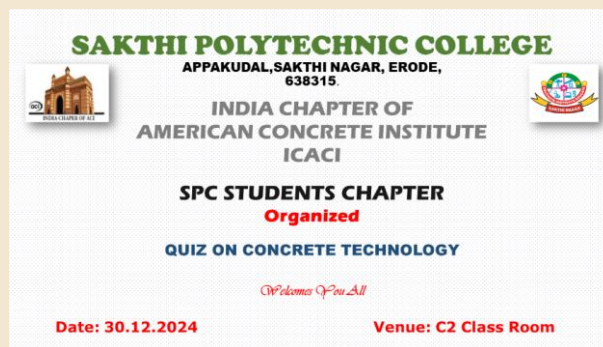
This industrial visit served as a vital learning experience, bridging the gap between theoretical knowledge and practical applications. The faculty members also updated their knowledge on the latest materials and technologies, ensuring that our students receive the most contemporary and relevant education.



The success of this industrial visit underscores our institution's commitment to providing students with experiential learning opportunities, preparing them for a successful career in civil engineering.

ICACI Student Chapter organized an engaging *Quiz on Concrete Technology*

The India Chapter of the American Concrete Institute (ACI) Student Chapter organized an engaging *Quiz on Concrete Technology* on December 30, 2024. The event ensured active participation from the student members of the chapter, providing a platform for them to test and enhance their knowledge of concrete technology, IS concrete codes and its applications in the modern construction industry.



The quiz covered a wide range of topics, including concrete materials, mix design, durability, testing methods, and the latest advancements in concrete technology. It was designed not only to assess the students' understanding of fundamental concepts but also to challenge them with real-world scenarios and current industry practices. The quiz format was both informative and interactive, fostering a competitive spirit among the participants while ensuring that learning was at the forefront of the event.



Overall, the *Quiz on Concrete Technology* proved to be a successful and enriching event, offering both fun and learning while strengthening the bond among the student members of the ACI Student Chapter. It contributed significantly to their professional development, preparing them for the challenges of the industry.

Pongal Festival Celebration, Jan 2025

The Civil Engineering Department celebrated the vibrant festival of Pongal on January 11, 2025, with enthusiasm and unity. The event was graced by the presence of esteemed guests, including the Director, Dr. K.R. Muthuswamy, Principal Dr. S. Senthilarasu, and Dr. R. Shanmugam, HOD/ Civil, Dr.A.Shyam ,HOD/Mech along with the faculty members and students of the Civil Engineering Department.



The celebration witnessed active participation from second and third-year students, who took charge of organizing the event. The students' efforts were evident in the seamless execution of various fun-filled games and activities, which were designed to foster teamwork and camaraderie among participants. These games not only added a festive spirit to the occasion but also brought the faculty and students closer together in a joyous environment.



In addition to the games, prizes were distributed to the winners, further adding excitement and enthusiasm to the celebration. The event was a delightful mix of tradition, fun, and community spirit, highlighting the collaborative efforts of the students and faculty.

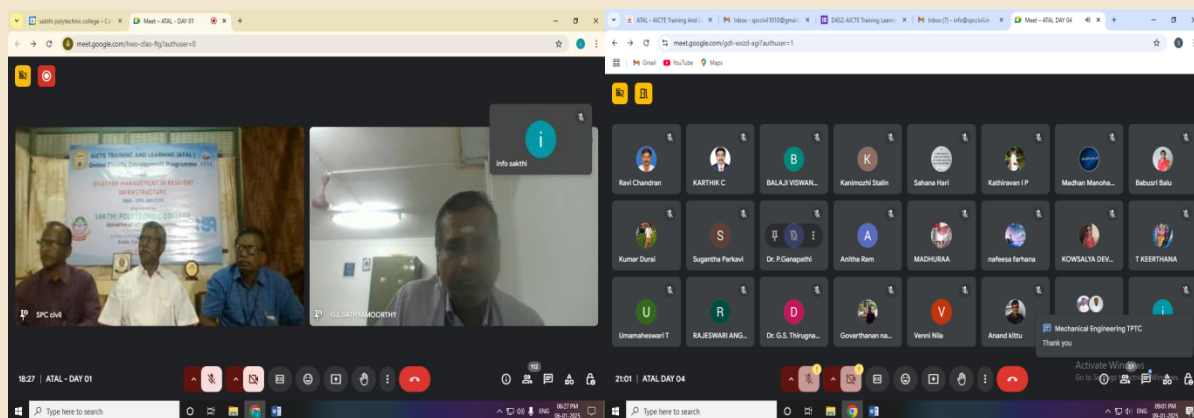
The celebration of Pongal in the Civil Engineering Department not only provided a platform for cultural exchange but also promoted a sense of belonging and teamwork within the department. It was a memorable day filled with joy, laughter, and shared experiences, marking a successful and harmonious celebration of this traditional festival.

The AICTE Training and Learning (ATAL) Academy organized an online Faculty Development Programme (FDP) on “Disaster Management & Resilient Infrastructure” on January 6, 2025, to January 11, 2025

This enriching program was conducted by the Civil Engineering Department of the institution, aimed at enhancing the understanding and knowledge of faculty members from various educational institutions across India. The event brought together experts from the academic and industrial sectors, focusing on critical topics related to disaster management and the creation of resilient infrastructure in the face of natural calamities.

Inaugural Session (January 6, 2025)

The inaugural session of the program, held at 6 PM on January 6, 2025, set the tone for the rest of the FDP. The session began with a warm *Welcome Address* by Dr. R. Shanmugam, Head of the Civil Engineering Department and Coordinator of the program. He emphasized the importance of disaster management and resilient infrastructure in contemporary civil engineering practice, particularly in the context of frequent natural disasters and the growing need for sustainable development.



Following the welcome address, the *Presidential Address* was delivered by Mr. G. Muniasamy, the Correspondent of the institution. In his speech, he highlighted the role of technology and modern engineering practices in mitigating the impact of natural disasters and ensuring the safety of infrastructure. He also underscored the institution's commitment to fostering knowledge and research in the field of disaster resilience.

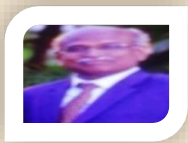
The *Felicitations Address* was given by Dr. K.R. Muthuswamy, Director of the institution. He expressed his appreciation for the initiative and stressed the importance of equipping faculty members with the skills to teach and research in the areas of disaster management, especially given the increasing frequency of catastrophic events like floods, earthquakes, and storms.

Dr. S. Senthilarasu, the Principal of the institution, delivered the *Felicitations Address* during the inaugural session of the AICTE Training and Learning (ATAL) Academy's Faculty Development Programme. In his speech, he spoke about the importance of the program in addressing the challenges posed by natural disasters and the need for resilient infrastructure in India and around the world.

The highlight of the inaugural session was the *Chief Guest Address* by Dr. G.L. Sathyamoorthy, a Professor at Kumaraguru College of Technology, Coimbatore. Dr. Sathyamoorthy presented valuable insights into the state-of-the-art research in disaster management and resilient infrastructure. His address focused on the integration of advanced materials, structural designs, and real-time monitoring systems that can significantly improve the durability and safety of infrastructure against natural calamities.

The inauguration was attended by over 162 participants from various parts of India, making it a truly nationwide event. The participants included faculty members, researchers, and professionals in the field of civil engineering, who were eager to enhance their knowledge of resilient infrastructure and disaster management.

FDP Sessions and Resource Persons



Dr.Johnson

Blessings Power &
Civil consultancy
Bhavani



Dr.Sathyamurthy

Professor
KCT, CBE



Dr.T.Palanisamy

Associate Professor
NIT, Suratkal



Dr. U.Johnson

Professor & Director
CICT, Malaysia



Dr.G.S.Rampradheep

Associate Professor
KEC, Erode



Mr. A. Selvam

M/s Land
Coordinates
Technology, Chennai



Manager

Meinhardt India,
Bangalore



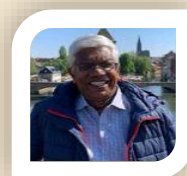
Dr.Sudakar

Proprietor
Dimensions, CBE



Dr.Antony

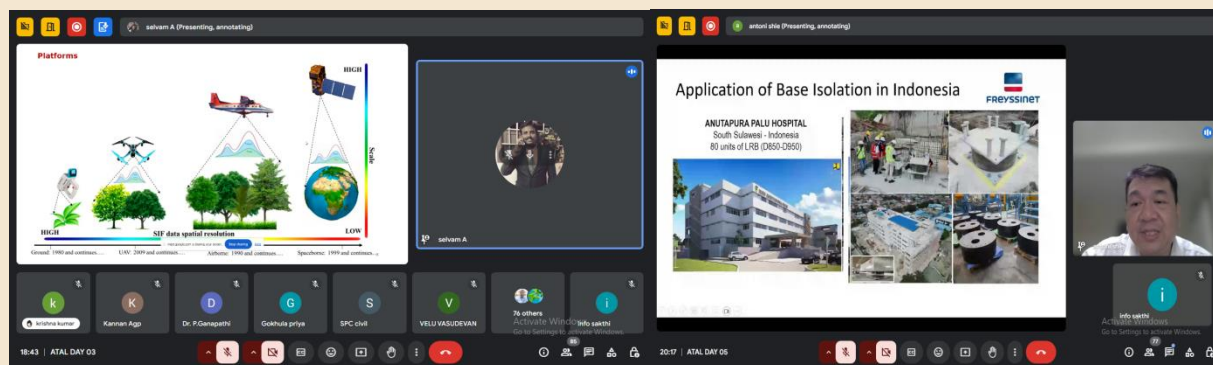
Professor
Indonesia



Dr.G.S.

Thirugnanam
Professor/EBET
Tiruppur

Over the course of the next five days, the FDP featured a series of technical sessions led by esteemed resource persons from reputed institutions and industries, both from India and abroad. The sessions covered a wide array of topics, including disaster preparedness, emergency management strategies, resilient building materials, sustainable construction practices, case studies, applications of drones during disaster management and disaster risk reduction techniques. Experts from leading universities and organizations shared their research findings and real-world applications, providing participants with a comprehensive understanding of disaster management principles.

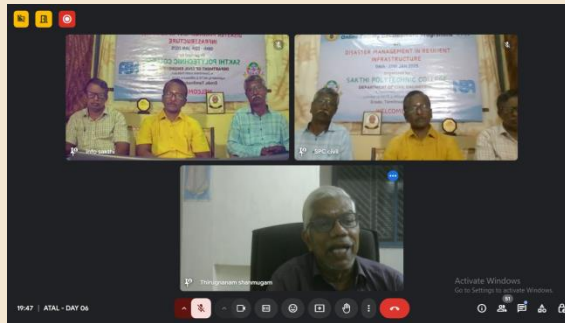


The resource persons included renowned professors, researchers, and industry professionals who presented case studies, innovative solutions, and the latest developments in the field. Their presentations were complemented by interactive discussions, Q&A sessions, and virtual workshops that enabled participants to engage deeply with the content.

Valedictory Function (January 11, 2025)

The *Valedictory Function* of the program was held on January 11, 2025, to mark the conclusion of the five-day FDP. The function began with the *Welcome Address* by Dr. R. Shanmugam, where he expressed his gratitude to all the speakers, participants, and organizers for their active involvement in making the event a success. He acknowledged the growing importance of resilient infrastructure in mitigating the effects of disasters and thanked everyone for contributing to the discussions throughout the program.

The *Presidential Address* was delivered by Dr. S. Senthilarasu, the Principal of the institution. Dr. Senthilarasu highlighted the relevance of the FDP in the context of the increasing need for disaster-resilient systems in the face of climate change and urbanization. He also emphasized the importance of continuous learning for faculty members and their role in shaping the next generation of engineers.



The *Felicitations Address* was delivered by Dr. K.R. Muthuswamy, Director, who reiterated the significance of the program and the invaluable knowledge imparted to the participants. He praised the organizers and expressed his hope that the attendees would apply the lessons learned in their teaching, research, and professional careers.

The *Chief Guest Address* was given by Dr. G.S. Thirugnanam, Professor in Civil Engineering, who shared his thoughts on the future of disaster management and the role of resilient infrastructure in safeguarding lives and assets. He also discussed the ongoing research trends and the need for collaboration between academic institutions, the government, and the industry to address disaster-related challenges effectively.

The session concluded with a *Vote of Thanks* delivered by Mr. M. Chandran, Lecturer and organizing member of the FDP. He expressed his heartfelt thanks to the resource persons, participants, organizing team, and supporting staff for their contributions to the success of the program. His gratitude extended to the AICTE for facilitating the training program and to the Civil Engineering Department for its unwavering support in organizing such a comprehensive and impactful event.

Organizing and Supporting Teams

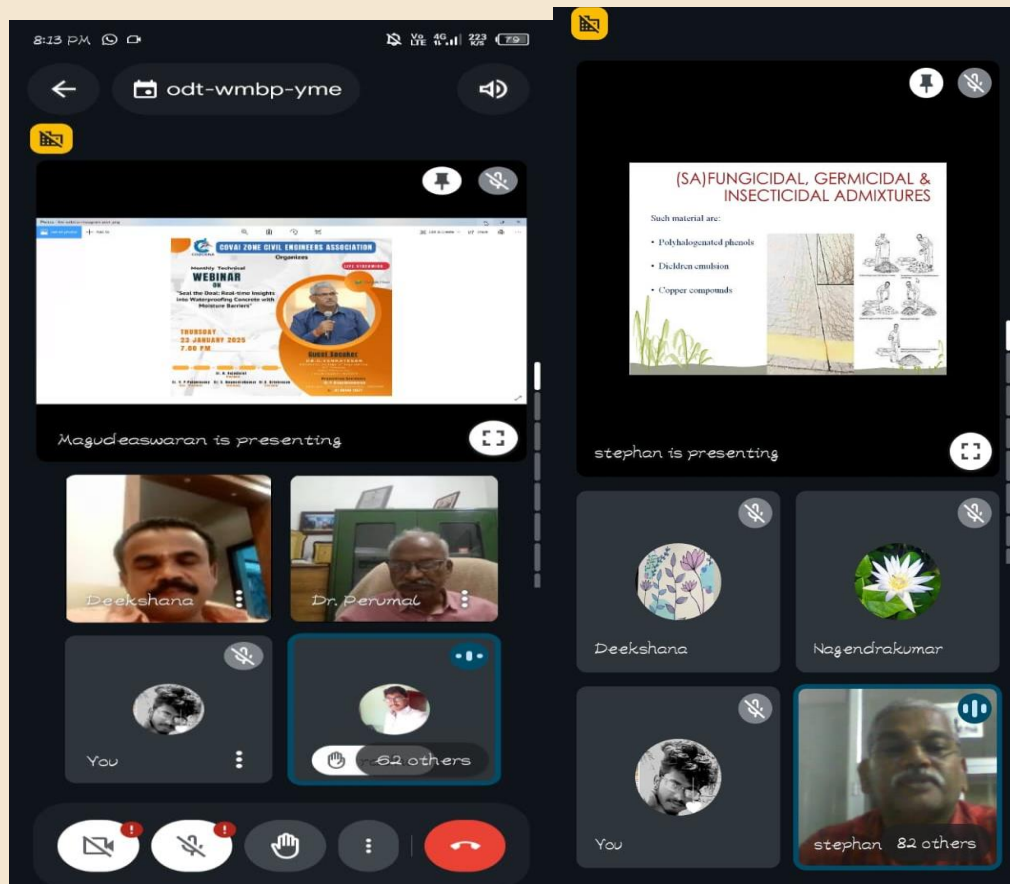
The event was meticulously organized by a dedicated team led by Mrs. S. Kavibharathi (Co-Coordinator). They were supported by the organizing team members, Mr. M. Chandran/ Lecturer, Mrs. C. Sowmitha / Lecturer, Mr. P. Dhanasekaran /Junior Draft. officer, and Mr. V. Manimuthu Workshop Instructor. The supporting team members, Mr. S. Marimuthu, Mr. T. Saran, and Mr. P. G. Sanjai Prasath, played a crucial role in ensuring the smooth conduct of the event.

Conclusion

The AICTE-ATAL Academy's online Faculty Development Programme on "*Disaster Management & Resilient Infrastructure*" proved to be an enriching experience for all participants. The sessions provided invaluable insights into the critical aspects of disaster management and the development of resilient infrastructure. With its expert speakers, interactive sessions, and widespread participation, the program achieved its goal of enhancing the participants' knowledge and skills in these vital areas, ultimately contributing to the strengthening of India's infrastructure against natural disasters.

Online Webinar on "Seal the Deal: Real-time Insights into Waterproofing Concrete with Moisture Barriers" on 23.01.2025

Our civil engineering students participated in an enlightening online webinar, "Seal the Deal: Real-time Insights into Waterproofing Concrete with Moisture Barriers," organized by COZCENA, Coimbatore. The webinar featured esteemed expert speaker Dr. C. Venkatesan, from the University College of Engineering, BIT Campus, Anna University Trichy.



The webinar delved into the intricacies of waterproofing, emphasizing its significance in ensuring the durability and longevity of structures. Expert speakers shared real-time examples, case studies, and the latest trends and technologies in waterproofing, including innovative materials and techniques.

Our students actively engaged with the speakers, clarifying doubts, and gaining valuable perspectives on the application of waterproofing principles in real-world scenarios. This enriching experience empowered them to think critically and creatively, fostering their growth as future civil engineers.

We appreciate COZCENA, Coimbatore, for providing this invaluable learning opportunity, which has enhanced our students' technical expertise and industry awareness.

Exploring Nature's Wonders: Second-Year Civil Engineering Students Embark on a Hiking Adventure on 25.01.2025

Our second-year civil engineering students participated in an exhilarating hiking expedition to the picturesque Palampalayam Hills, organized by the Hiking and Nature Walking Club, Erode. This adventure was part of our academic activity focused on health and wellness, aiming to promote physical fitness, teamwork, and environmental awareness.



As the students ascended the hills, they were treated to breathtaking vistas, diverse flora, and fauna, and a sense of accomplishment with each step. The hike not only tested their physical endurance but also fostered camaraderie, as they supported and encouraged each other throughout the journey.



This outdoor adventure provided a unique opportunity for our students to disconnect from the urban landscape and reconnect with nature. The experience was enriching, allowing them to develop essential life skills, such as resilience, adaptability, and teamwork, while promoting a deeper appreciation for the natural world.

We thank Mr.S.D.Krishnakumar, Hiking and Nature Walking Club, Erode and former faculty of Sakthi Polytechnic College,Sakthinagar for organizing this fantastic event, which has contributed significantly to our students' holistic development and academic experience.

ICACI Student Members Participate in Project Expo 2025 at PolyFiesta 2025, KSR Educational Institutions, Namakkal on January 29, 2025

The student members of ICACI participated in the prestigious Project Expo 2025, held at Poly Fiesta 2025, organized by KSR Educational Institutions in Namakkal. The event provided an excellent platform for students to showcase their innovative projects and research in various fields.



Among the various impressive projects, ICACI student members presented their project on IS and ACI Code – Maturity Method of Concrete Strength Assessment through IoT Monitoring. The project aimed to highlight the use of modern technology in assessing the strength of concrete by using the maturity method, supported by Internet of Things (IoT) monitoring systems. This cutting-edge approach allows for real-time monitoring and efficient assessment of concrete curing, offering significant advancements in construction practices.



The project received positive attention and valuable feedback, reflecting the technical expertise and creativity of ICACI's student members. Their participation in such a high-profile event underscores their commitment to exploring innovative solutions in civil engineering and contributing to the advancement of the industry.

Civil Engineering Students Gain Practical Experience in Construction Practice Lab - Basement Construction of Hydroponics Centre on 31.01.2025

Our second-year Civil Engineering students embarked on an exciting fieldwork experience as part of their Construction Practice Lab. The students were tasked with assisting in the construction of a Hydroponics Shed under Unnat Bharat Abhiyan(UBA) Central government Scheme for the Entrepreneurship Development (ED) Cell, strategically located near the Agri block.

Hands-on Learning:

Under the guidance of experienced faculty members, the students were actively involved in various aspects of the construction process. They gained hands-on experience in:

- Site preparation and leveling
- Foundation work and concrete mixing



This lab exercise enabled students to apply theoretical concepts learned in the classroom to real-world construction scenarios. By participating in the construction process, students developed a deeper understanding of the practical challenges and considerations involved in building projects.

Enhancing Skills and Knowledge:

Through this fieldwork experience, students enhanced their skills in:

- Teamwork and collaboration
- Problem-solving and adaptability
- Time management and organization
- Safety protocols and best practices
- Knowledge on materials
- Cost of construction



The Construction Practice Lab fieldwork experience provided second-year Civil Engineering students with invaluable hands-on experience and practical knowledge. As they progress in their academic journey, this experience will undoubtedly benefit them in their future careers as civil engineers.

"BIS Standards Club Members Attended Science and Standards Fair at Codissia" on 01.02.2025

Our Civil Engineering BIS Standards Club proudly participated in the Science and Standards Fair at Codissia, Coimbatore. Our enthusiastic club members were accompanied by Dr. R. Shanmugam, our esteemed Mentor, and Mr. V. Manimuthu, our dedicated Coordinator.



The Science and Standards Fair provided an excellent platform for our students to showcase their knowledge and understanding of Indian standards in civil engineering. The event offered a unique opportunity for our students to interact with industry experts, researchers, and peers from other institutions, fostering a spirit of collaboration and innovation.

Our club members actively engaged with the visitors, explaining the importance of standardization in Civil Engineering and highlighting the role of BIS standards in ensuring safety, quality, and sustainability in construction projects.



We express our sincere gratitude to mentor and coordinator for their guidance and support throughout this endeavor. Their mentorship has been instrumental in shaping our understanding of BIS standards and their application in civil engineering.

The experience gained from participating in the Science and Standards Fair will undoubtedly inspire our club members to continue exploring the realm of standardization in civil engineering, driving innovation and excellence in the field.

"Tenders and Contracts: Civil Engineering Forum Meeting with ISRO Expert" on 10.02.2025

The Department of Civil Engineering's Civil Engineering Forum organized a forum meeting on the topic "Tenders and Contracts" on 10.02.2025. The event featured a keynote address by Mr. M. Govindharaj, Senior Technical Assistant-A Grade, ISRO, Bangalore.



The welcome address was delivered by Dr. R. Shanmugam, Head of the Department of Civil Engineering. Dr. S. SenthilArasu, Principal, and Dr. K. R. Muthuswamy, Director, graced the occasion with their presidential and felicitation addresses, respectively.

The program was arranged and organized by Mrs. C. Sowmitha, Lecturer, Mr. C. Chandran, Lecturer, Mr. P. G. Sanjai Prasath, and Mrs. K. Malarvizhi, along with supporting staff members of the Civil Engineering Department. The second-year Civil Engineering students efficiently managed the program, serving as the master of ceremony and handling other tasks, including the vote of thanks.



The event also recognized and honored students who secured the top two positions in the Board Exam in October 2024 and achieved 100% attendance in regular classes. The forum meeting provided a valuable platform for students to gain insights into the practical aspects of tenders and contracts in the civil engineering industry.

“Placement Awareness Program on Government Jobs on 10.02.2025

The Placement and Training Cell of Sakthi Polytechnic College organized a placement awareness program on "Government Jobs: A Gateway to Stable Career" for the students of the Civil Engineering Department. The program was held on 10.02.2025 and featured a keynote address by Mr. M. Govindharaj, Senior Technical Assistant-A Grade, ISRO, Bangalore.



The placement program was successfully organized by Mr. S.Sakthivel, Placement Officer. The event commenced with a welcome address by Mr. S.Sakthivel, followed by a presidential address by Dr. K.R.Muthuswamy, Director. Dr. S.Senthilarasu, Principal, delivered a felicitation address, appreciating the efforts of the placement team.

Mr. Govindharaj shared his valuable insights and experiences about the opportunities and benefits of government jobs. He emphasized the importance of stability, security, and growth prospects in state and central government careers. The students were enlightened about the various government job opportunities available for civil engineers, including those in ISRO, PWD, and other government agencies.

The program aimed to create awareness among students about the advantages of government jobs and to motivate them to explore these opportunities. The students actively participated in the program, asking questions and seeking guidance on how to prepare for government job exams.

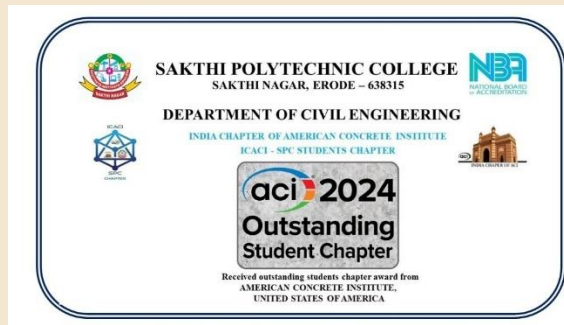


The Placement and Training Cell of Sakthi Polytechnic College deserve appreciation for organizing this informative program, which has inspired and guided the students in their career pursuits.

Outstanding Achievement: ACI Student Chapter Award on 12.02.2025

We are proud to announce that our ACI Student Chapter has been conferred with the prestigious Outstanding Student Chapter Award for 2024. This remarkable achievement is a testament to the hard work and dedication of our faculty advisors, staff members, and students.

The American Concrete Institute (ACI) called for student chapter award applications worldwide, and our chapter emerged as the sole winner from India, specifically polytechnic from South India. This accolade is a shining example of our institution's commitment to excellence in civil engineering education.



Under the guidance of Dr. R. Shanmugam, Faculty Advisor, and Mr. V. Manimuthu, Coordinator, our ACI Student Chapter has consistently demonstrated exceptional performance. The chapter's success can be attributed to the collaborative efforts of our faculty and staff members, as well as the enthusiasm and participation of our civil engineering students.

This Outstanding Student Chapter Award is a significant milestone for our institution, and we are honored to receive this recognition. We express our gratitude to ACI for this prestigious award and look forward to continued excellence in civil engineering education.

Educational Tour to Kodaikanal: A Fusion of Academics and Exploration on 14.02.2025

On February 14, the second and third-year students of the Civil Engineering Department embarked on an educational tour to Kodaikanal, accompanied by Mrs. C. Sowmitha, Lecturer, Mr. V. Manimuthu, Workshop Instructor, and Mr. S. Marimuthu, Skilled Assistant.

The tour was designed to integrate theoretical concepts with practical experiences, as students visited iconic landmarks such as Silver Falls, Green Valley, Pillar Rock, Guna Cave, Moyar View Point and the picturesque Kodaikanal Lake.



Throughout the journey, students related their experiences to relevant subjects, including:

- **Transportation Engineering:** Students observed and analyzed the construction of hairpin bends and maintenance of roads, bridges, and tunnels.
- **Mechanics of Structures:** Students examined the design and stability of various structures, such as buildings, bridges, and rock formations.

- Urban Planning and Development: Students studied the layout and development of Kodaikanal hill station town, considering factors like infrastructure, sanitation, and environmental sustainability.
- General Ecosystems: Students explored the diverse flora and fauna of Kodaikanal, gaining insights into ecological balance and conservation.

This educational tour not only enhanced students' theoretical knowledge but also fostered teamwork, communication, and problem-solving skills. The Civil Engineering Department is grateful to the accompanying staff members for their guidance and support, making this tour a memorable and enriching experience for our students.

“Parents Meeting for Second and Third Year Civil Engineering Students at Sakthi Polytechnic College on 17.02.2025 & 18.02.2025”

On behalf of the management of Sakthi Polytechnic College, a comprehensive Parents Meeting for the second and third-year Civil Engineering students was held on the 17th and 18th of February 2025. The meeting was conducted to foster a strong line of communication between the parents and the college management, with a particular focus on key aspects of student progress and development. The session saw active participation from parents, as well as constructive discussions led by Dr. K.R. Muthuswamy, Director of the college, and Dr. S. Senthilarasu, Principal of the institution.



The management took this opportunity to provide a thorough overview of the students' academic performance, emphasizing the importance of consistent progress and the efforts required to achieve excellence. Detailed discussions were held regarding the current academic marks of students, with a focus on areas where improvements could be made. Dr.K.R.Muthuswamy and Dr.S.Senthilarasu both underscored the significance of academic discipline and the role it plays in shaping the future success of the students.

Another important topic that was addressed was student discipline, which remains a cornerstone of the institution's values. The management outlined expectations for student behavior, both within and outside the campus, highlighting how discipline contributes to a positive learning environment and to the overall development of the students as responsible individuals.

The placement prospects for the Civil Engineering students were also a central point of discussion. Dr. S.Senthilarasu shared insights into the college's ongoing efforts to strengthen industry partnerships and enhance placement opportunities for students. The management reassured parents that the college is committed to ensuring that their children are well-prepared for the competitive job market, through skill development programs, internships, and recruitment drives.



Further, the subject of higher education and its prospects was discussed at length. Parents were encouraged to support their children in considering further studies, and the college shared available resources and guidance for those interested in pursuing advanced studies in engineering or related fields.

Parents-Teachers Meeting for Second-Year Civil Students on 17.02.2025

The Civil Engineering Department hosted a Parents-Teachers Meeting (PTM) for second-year students. The meeting provided a platform for faculties, staff members, and parents to discuss the students' progress, addressing aspects such as academic performance, discipline, and extracurricular activities.



The meeting commenced with a welcome address by the HOD, Civil Engineering Department. Faculties and staff members presented a comprehensive overview of each student's performance, highlighting strengths and areas for improvement. Parents actively participated in the discussions, seeking guidance on how to support their wards in achieving academic excellence.

Key takeaways from the meeting included:

Academic performance : Parents were informed about their child's current grades and attendance.

Discipline : Discussions focused on maintaining discipline and punctuality within the campus.

Extracurricular activities : Faculties encouraged students to participate in various co-curricular and extracurricular activities to develop holistic skills.

We appreciate the enthusiastic participation of parents and look forward to continued support in nurturing our students' potential.

Parents-Teachers Meeting for Final Year Civil Engineering Students – 18.02.2025

A Parents-Teachers meeting for the final-year Civil Engineering students to discuss key areas of student development, including academics, discipline, extracurricular activities, higher education opportunities, and placement prospects. Faculty, staff, and parents gathered to foster a collaborative approach to the students' success.

The meeting began with a review of the students' academic performance, highlighting both strengths and areas for improvement. Faculty members emphasized the importance of maintaining high academic standards as students approach graduation, providing guidance on effective study strategies and final project preparations.

Discipline was another key focus. The faculty acknowledged the students' overall conduct but stressed the importance of professional ethics, time management, and collaboration—values that are essential for future success. Parents were encouraged to reinforce these traits at home.



Regarding higher education, the faculty presented opportunities for postgraduate studies in Civil Engineering, both within India and abroad. Guidance was offered for students interested in further studies, with support available in selecting suitable programs and institutions.



The final topic of discussion was placement. The faculty shared successful placement records from previous years and provided updates on current placement activities. Several students had already received job offers or were in advanced interview stages. Parents were assured that the placement support system, including resume building and interview preparation, would facilitate a smooth transition into the workforce. In conclusion, the meeting provided an invaluable opportunity for parents, faculty, and staff to align their efforts toward ensuring the students' academic, professional, and personal success in the final year and beyond.

Inauguration of Nanmudalvan Skill Training Course on Digital Construction on 20.02.2025

Sakthi Polytechnic College hosted the inauguration of the Nanmudalvan Skill Training Course, a prestigious initiative offered by the Tamil Nadu Government. This course, aimed at providing valuable skills to the students, focuses on Digital

Construction, a cutting-edge field in the civil engineering sector. The course was designed to equip second-year Civil Engineering students with modern, industry-relevant skills to enhance their employability and readiness for future challenges in the field of construction and technology.



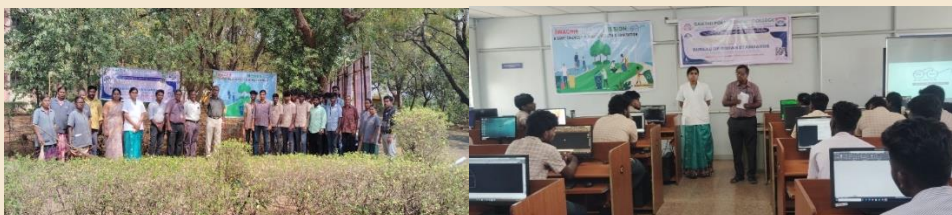
The inauguration ceremony was graced by the presence of various key coordinators and faculty members, including Dr. Jothimurugan, the SPOC (Single Point of Contact) for the course, who has been instrumental in overseeing the program's smooth implementation. Mrs. C. Sowmitha, Department Coordinator and Lecturer of Civil Engineering, played a pivotal role in ensuring the academic structure and framework for the course was well-integrated into the curriculum. The course was further supported by Mr. M. Chandran, Lecturer in Civil Engineering, and Mrs. K. Malarvizhi, Lab Technician, who meticulously arranged and maintained the computer systems for the training.



The students, full of enthusiasm and eagerness to learn, were particularly excited about the *Digital Construction* course. This field integrates the latest technological advancements in the construction industry, focusing on digital tools and techniques such as Building Information Modeling (BIM), 3D modeling, and software applications that are revolutionizing construction practices. The course is being delivered by WinWingz–Allure-RapteServicesPrivateLimitedan expert in the field, which ensures that students receive top-tier training and exposure to the latest trends in construction technology. Nan Mudalvan schemes offers training to Agricultural Engineering students of our college and the students from Gandhi polytechnic college, Sathy.

Swachh Bharat Mission Awareness Programme and Campus Cleaning Drive on 20.02.2025 conducted by Civil-BIS Standards Club (7026)

The Civil-BIS Standards Club (7026) of our institution conducted a Swachh Bharat Mission Awareness Programme, followed by a campus cleaning drive. The event aimed to promote cleanliness, hygiene, and community service among students, faculty members, and civil workers.



Inaugural Session

The programme commenced with a welcome address by Dr. R. Shanmugam, Mentor, Civil-BIS Standards Club. Dr. K.R. Muthuswamy, Director, delivered the felicitation address, emphasizing the importance of cleanliness and hygiene in our daily lives. Dr. S. Senthilarasu, Principal, presided over the function, highlighting the institution's commitment to social responsibility and community service.

Awareness Lecture

Dr. R. Shanmugam presented a thought-provoking lecture on Swachh Bharat Awareness, focusing on the significance of cleanliness, waste management, and environmental sustainability. The lecture inspired the participants to take ownership of maintaining a clean and healthy environment.



Participants

- Students: Members of Civil-BIS Standards Club (7026)
- Faculty Members: Dr. R. Shanmugam, Dr. K.R. Muthuswamy, Dr. S. Senthilarasu
- Civil Workers: Over 100 participants

Campus Cleaning Drive

Following the awareness programme, over 100 members, including students, faculty members, and civil workers, participated in the campus cleaning drive. The team collectively cleaned the campus, removing waste, and promoting a sense of community responsibility.

Outcome

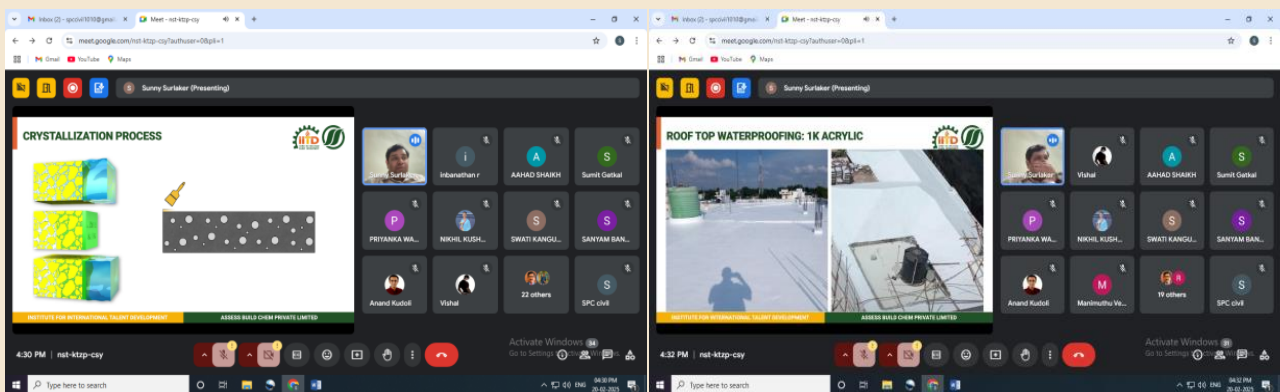
The Swachh Bharat Mission Awareness Programme and campus cleaning drive successfully achieved its objectives, promoting cleanliness, hygiene, and community service among the participants. The event reinforced the institution's commitment to social responsibility and environmental sustainability.

“The members of the IC-ACI SPC Student Chapter from the Civil Engineering Department participated in an insightful online webinar titled Innovations and Trends in Waterproofing on 20.02.2025”

The members of the IC-ACI SPC Student Chapter from the Civil Engineering Department of Sakthi Polytechnic College participated in an insightful online webinar titled Innovations and Trends in Waterproofing”*. The webinar was conducted by Mr. Sunny Surlaker, the Head of Assess Build Chem Pvt. Ltd, and was organized by PimpriChinchwad College of Engineering & Research, Pune.



The session provided valuable knowledge and in-depth insights into the latest innovations and trends in the field of waterproofing, a crucial aspect of construction and civil engineering. Mr. Surlaker, with his extensive expertise and industry experience, elaborated on various waterproofing techniques, materials, and technologies that are currently transforming the construction industry. He also highlighted the importance of waterproofing in enhancing the durability, safety, and sustainability of buildings and infrastructure.



The members of the IC-ACI SPC Student Chapter actively engaged in the session, learning about the practical applications and future trends in the waterproofing domain. The webinar provided an excellent opportunity for the students to interact with industry experts, gain exposure to real-world challenges, and stay updated with the latest trends in construction technology.

The Civil Engineering students found the webinar extremely informative and enriching, as it enhanced their understanding of the practical aspects of waterproofing in construction projects. The knowledge gained from the session will undoubtedly benefit their academic and professional pursuits, as they will be better equipped to address waterproofing-related challenges in their future careers.

Science Exhibition Organized by the BIS Standard Club (7026) and Department of Physics on 26.02.2025

The BIS Standard Club (7026) of the Department of Civil Engineering and the Department of Physics jointly organized a Science Exhibition in celebration of National Science Day 2025. The event was held to promote the spirit of scientific inquiry, innovation, and awareness among polytechnic students. The exhibition showcased a variety of scientific models, experiments, and demonstrations, reflecting the diverse branches of science, including physics, chemistry, and engineering.



The program was coordinated by a dedicated team of faculty members, including Dr. R. Shanmugam, Mentor of the BIS Standards Club (7026), Dr. R. Kannan, Lecturer in Physics, Dr. R. Jothimurugan, Lecturer in Physics, Mr. K. Anand, Lecturer in Chemistry, Dr. M. Thangapandy, the Librarian, and Mr. V. Manimuthu, Coordinator of the BIS Standards Club. Their hard work and collaboration led to the success of the event, which aimed to engage students in the world of science and foster greater interest in the field.

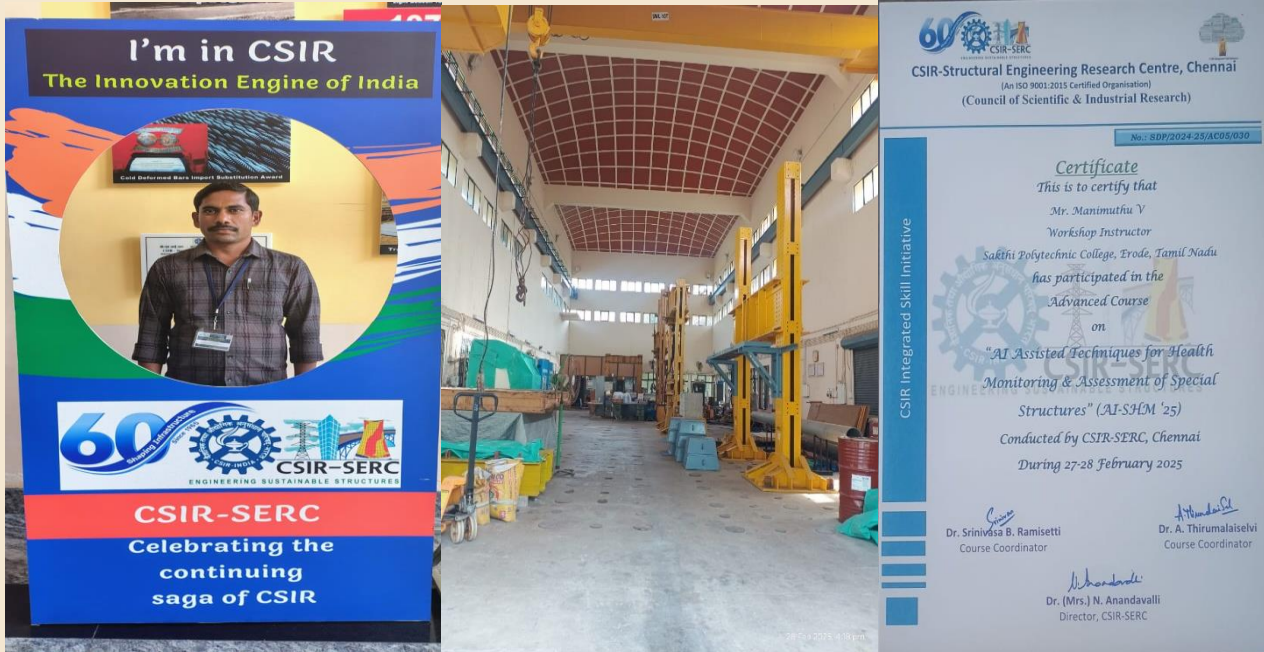
The Chief Patron of the event, Dr. K. R. Muthuswamy, and the Patron, Dr. S. Senthilarasu, visited the exhibition and addressed the gathering, emphasizing the importance of science and technology in shaping the future. Dr. Muthuswamy in his speech, highlighted the relevance of scientific knowledge in solving real-world challenges and encouraged students to continue exploring scientific concepts with curiosity and dedication. Dr. S. Senthilarasu also spoke about the significance of National Science Day, which commemorates the contributions of renowned scientists like Dr. C. V. Raman, whose discoveries paved the way for numerous advancements in science and technology.



The exhibition featured interactive displays and live demonstrations, allowing students to engage with scientific concepts in a hands-on manner. Various models such as renewable energy systems, simple machines, and chemistry experiments were presented, illustrating how fundamental scientific principles could be applied to everyday life. These activities aimed to inspire students to think critically and develop innovative solutions to contemporary issues.

“Skill Development Programme on AI-Assisted Structural Health Monitoring Conducted by CSIR-SERC Chennai on 27.02.2025 & 28.02.2025”

The Civil Engineering Department of our institution was represented by Mr. V. Manimuthu, Workshop Instructor, Civil at a skill development programme on "Advanced Course on AI-Assisted Structural Health Monitoring of Special Structures" conducted by CSIR-Structural Engineering Research Centre, Chennai. The programme was held from 27th February 2025 to 28th February 2025.



The programme aimed to equip participants with advanced knowledge and skills in AI-assisted structural health monitoring techniques, which are crucial for ensuring the safety and durability of special structures. The course covered topics such as machine learning algorithms, deep learning techniques, and sensor-based monitoring systems.



Mr. V. Manimuthu, who attended the programme, gained valuable insights into the latest advancements in AI-assisted structural health monitoring. He acquired hands-on experience in using cutting-edge technologies and techniques, which will enable him to enhance his teaching and research capabilities.

The knowledge and skills acquired by the participant will be beneficial in developing new curriculum and establishment of research labs and projects in the Civil Engineering Department, focusing on AI-assisted structural health monitoring. This will enable our students to acquire industry-relevant skills and knowledge, making them more employable in the field of structural engineering.

State level conference on Competitive exams conducted by TN govt. at Anthiyur" on 06.03.2025

The final-year Civil Engineering students of Sakthi Polytechnic College had the privilege of attending a significant seminar titled State level conference on Competitive exams. This event was organized by the Tamil Nadu Government's Higher Education Department and took place at Anthiyur. The seminar was aimed at providing students with valuable insights into career opportunities, innovative thinking, and rural development, with a special focus on empowering the younger generation to take part in nation-building efforts.



The program was presided over by Honorable Minister Thiru.Kovi. Cheliyan, Ministry of Higher Education, Tamil Nadu, and Honorable Minister Thiru. S.Muthuswamy, Ministry of Rural Development, Tamil Nadu. Both ministers shared their vision for the state's growth and emphasized the importance of education, skill development, and active participation in community and national development. Their speeches provided inspiring insights for students, urging them to explore various avenues of growth and development in their professional and personal lives.

The students from the Civil Engineering department were coordinated by Mr. P.G. SanjaiPrasath, the Lab Assistant in Civil Engineering. His efforts ensured that the students were able to attend the seminar smoothly and participate in the event with great enthusiasm. Mr.P.G.SanjaiPrasath played a pivotal role in coordinating the attendance and facilitating the students' engagement with the content presented at the seminar.



The seminar covered several crucial topics, such as the importance of technical education in rural development, the role of civil engineering in infrastructure growth, and the need for innovative and sustainable solutions to address the challenges faced by rural and urban areas alike. The event also focused on career guidance and the role of government initiatives in creating opportunities for young professionals.

“Civil Engineering Department women staff members and girl students participated in womensday celebration conducted by CIICP- women in development cell on 8.3.2025”

CIICP-women in development cell celebrated International Women's Day with great enthusiasm and fervor, bringing together civil engineering women staff members and girl students for a memorable event. The celebration aimed to recognize and appreciate the contributions and achievements of women in the field of civil engineering, as well as to inspire and empower the young girl students to pursue their dreams and ambitions. The event featured a range of activities, including speeches, presentations, and cultural performances, all of which highlighted the importance of women's empowerment and equality.



The Civil Engineering women staff members Mrs.C.Sowmitha, Lecturer and Mrs.K.Malarvizhi, Supporting Staff shared their experiences and insights, providing valuable guidance and mentorship to the girl students. The students, in turn, showcased their talents and creativity through various performances and presentations. The celebration concluded with a pledge to promote gender equality and women's empowerment, both within the college community and beyond. Overall, the Women's Day celebration at Sakthi Polytechnic College was a resounding success, inspiring and empowering the participants to strive for excellence and make a positive impact in their chosen fields.

“Environment Development Cell (EDC) of Sakthi Polytechnic College organized the "Befriend Nature" programme on 11.03.2025.

The event aimed to promote environmental awareness and conservation among students. The programme commenced with a welcome address by Dr. R. Shanmugam, Head of the Civil Engineering Department. Dr. K.R. Muthuswamy, Director, and Dr. S. Senthil Arasu, Principal, graced the occasion with felicitation and special addresses, respectively. The highlight of the programme was the plenary talks by esteemed guests. Ms. Sudha from the Erode Bio Diversity Group and Mr. S.D.Krishnakumar from the Erode Hikers Club shared their expertise and experiences on environmental conservation and sustainability.



Second-year Civil Engineering students actively participated in the programme, engaging in discussions and interactions with the guest speakers.

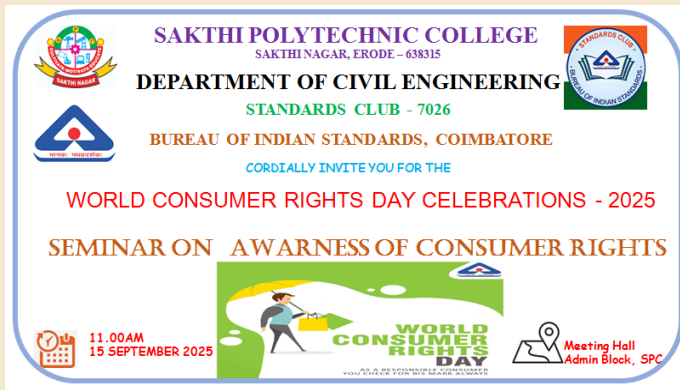
Mr. M. Kathiresan, Workshop Instructor (Agriculture), proposed the vote of thanks, expressing gratitude to the dignitaries, guest speakers, and participants for making the event a success.



The "Befriend Nature" programme was a thought-provoking initiative that inspired students to adopt environmentally conscious practices and promote sustainability. The event reinforced the importance of environmental conservation and encouraged students to become responsible stewards of the planet.

BIS-Standards Club 7026 (Civil) celebrated World Consumer Rights Day on 15.03.2025

The event aimed to create awareness about consumer rights and promote the use of quality ISI building materials. The occasion was graced by Dr. K.R. Muthuswamy, Director, and Dr. S. Senthil Arasu, Principal. Dr. R. Shanmugam, Mentor, BIS Standards Club 7026, delivered a keynote address, emphasizing the importance of consumer rights and standards.



Standards Club members demonstrated the importance of buying quality ISI building materials products, highlighting consumer rights among workers and civil students. The event aimed to educate participants on the significance of standards and quality in construction materials.



The event was organized by BIS Club Coordinator V. Manimuthu and supported by Mr. M. Chandran, Lecturer; Mrs. C. Sowmitha, Lecturer, Mr. P. Dhanasekaran, Jr. Drafting Officer, Mr. S. Marimuthu, Skilled Assistant, Mr. P.G. Sanjai Prasath, Lab Assistant and Mrs. K. Malarvizhi, Lab Assistant.

The celebration of World Consumer Rights Day at Sakthi Polytechnic College was a resounding success, promoting awareness about consumer rights and standards among students, workers, and faculty members. The event reinforced the importance of quality and standards in construction materials, ensuring a safer and more sustainable built environment.

“India Chapter of American Concrete Institute, Mumbai Sponsored All India Students Concrete Cube Competition 2024, Conducted by Sakthi Polytechnic College Civil Engineering Department ICACI-Student’s Chapter on 15.03.2025

The All India Students Concrete Cube Competition 2024, sponsored by the India Chapter of the American Concrete Institute (ICACI), Mumbai, was successfully organized by the Department of Civil Engineering at Sakthi Polytechnic College, Erode on 15th March 2025. This prestigious event was held under the guidance of the ICACI Student’s Chapter, providing a platform for Civil Engineering students from across the nation to demonstrate their knowledge and skills in concrete cube testing.



The competition saw active participation from various esteemed institutions, including Kongu Polytechnic College, Perundurai, Shree Venkateswara Hitech Polytechnic College, Gobi, KSR Institute of Technology, Namakkal, Muthayammal Polytechnic Institutions, Rasipuram, and Sakthi Polytechnic College, with a total registration of 10 teams. The event was designed to promote practical learning and foster healthy competition among students.

The event kicked off with the registration process, where students from participating colleges gathered to be a part of the competition. The Welcome Address was delivered by Dr. R. Shanmugam, Faculty Advisor of the ICACI Student's Chapter at Sakthi Polytechnic College, who outlined the significance of concrete cube testing in Civil Engineering and explained the structure of the competition.



Following the welcome address, the Presidential Address was given by Dr. S. SenthilArasu, Principal of Sakthi Polytechnic College. Dr.SenthilArasu emphasized the importance of such events in enhancing students' practical knowledge and preparing them for real-world engineering challenges. The Inaugural Address was then delivered by Dr.K.R.Muthuswamy, Director of Sakthi Polytechnic College, who expressed his gratitude to the participants and highlighted the role of technical events in shaping the careers of engineering students.



After the formal addresses, Dr. R. Shanmugam took the stage again to explain the rules and guidelines of the competition, ensuring that all participants were well-prepared for the upcoming task. He clarified the procedure for cube testing, the evaluation criteria, and how marks would be awarded for accuracy, technique, and adherence to testing standards.

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. SenthilArasu, Principal of Sakthi Polytechnic College, who congratulated the winners and presented certificates to all participants.

The winners of the competition were:

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

- Mrs. C. Sowmitha, Lecturer
- Mr. M. Chandran, Lecturer
- Mr. P. Dhanasekaran, Junior Drafting Officer
- Mr. S. Marimuthu, Skilled Assistant
- Mr. P. G. SanjaiPrasath, Lab Assistant
- Mrs. K. Malarvizhi, Lab Assistant

Additionally, the ICACI-Student Chapter Mr.M.Kavin, President, Mr.R.Vignesh, Vice 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.



The All India Students Concrete Cube Competition 2024 was an enriching and successful event that provided students with a practical learning experience in concrete testing, enhanced their technical skills, and promoted camaraderie among students from various institutions. The event highlighted the importance of hands-on experience in Civil Engineering and proved to be a great platform for students to exchange ideas and learn from one another.

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.

Visit to Erode Railway Junction on 19.03.2025

The Civil Engineering IV semester students had the opportunity to visit the Erode Railway Junction. This educational visit was organized with the permission of the Southern Railway, Salem Division, and it aimed to provide the students with a practical understanding of railway infrastructure, construction, and related civil engineering aspects.



The students were accompanied by Mr. P. Dhanasekaran, Junior Drafting Officer, and Mr. P. Sanjai Prasath, Lab Assistant of Civil Engineering, who guided the students throughout the visit. The objective of the visit was to familiarize students with the construction of railway junctions, the design and layout of railway tracks, signalling and centralised traffic control, public facilities, and the various engineering aspects involved in their operation and maintenance.

The Erode Railway Junction, being one of the major railway hubs in Tamil Nadu, provided the students with a comprehensive insight into the design and functioning of a busy railway station. They observed the different components of the junction, including the construction of railway tracks, station buildings, platform areas, and other public facilities. They were also able to witness the integration of various civil engineering systems, such as drainage systems, signalling infrastructure, and the maintenance of track alignment.

During the visit, Mr. Dhanasekaran explained the technicalities involved in the construction and maintenance of the railway junction, emphasizing the importance of safety, durability, and efficiency in the design process. They also discussed how various civil engineering practices are applied in the construction and upkeep of the railway facilities, highlighting the importance of proper planning, quality control, and compliance with safety standards.

The students gained valuable knowledge about the real-world applications of civil engineering concepts they had learned in their classroom studies. They were able to relate their theoretical understanding to the actual practices followed in the construction of railway infrastructure. Additionally, the visit provided them with an opportunity to clear any doubts they had about railway construction and maintenance.

Civil Engineering students, members of the American Concrete Institute (ACI), attended an online webinar organized by the ICACI Mumbai Chapter on 20.03.2025

The webinar focused on the importance of curing in concrete, titled Curing is Good. The webinar featured two esteemed speakers: William J. Gold, Senior Engineer, American Concrete Institute Shared his expertise on the significance of curing in concrete and its impact on the material's properties. Amit Barde, Larsen & Toubro, provided insights into the practical aspects of curing in concrete, highlighting its importance in construction projects.

India Chapter of ACI is happy and feels proud to announce a 'Global Webinar' on

Curing is Good

Date : Thursday, 20th March 2025
Time : 5.30 PM Indian Standard Time (IST) / 8.00 AM USA TIME (ET)

About the Webinar: Concrete curing is the process by which hydraulic cementitious concrete matures and develops hardened properties over time. It is a result of the continued hydration of the cementitious materials and requires the presence of sufficient water and heat. This presentation will give a short overview of concrete curing. It will mainly focus on external curing of flatwork concrete; however, internal curing will also be briefly discussed. Different curing methods will be reviewed and their effect on desired concrete properties will be presented.

Learning Objectives:

1. Define curing and related terms
2. Recall different curing methods
3. Examine research findings on curing
4. Review minimum curing requirements from ACI, AASHTO, and state DOTs
5. Explain curing timing in relation to construction activities

Registration link: <https://attendee.gotowebinar.com/register/5701435528071243094>

LUCKY DRAW

One Lucky Webinar Attendee will win a One Year subscription to

- ACI Collection of Concrete Codes, Specifications and Practices worth \$850 OR
- Individual Membership worth \$250 + Value, OR
- All-Access Digital Subscription worth \$299 OR
- Concrete Repair Digital Subscription worth \$249

Speakers:

William J. Gold
 Speaker
 William Gold is a Senior Engineer at the American Concrete Institute. He has over 25 years of experience in the concrete and construction chemicals industry. His interests and expertise includes structural engineering, FRP materials, concrete repair and rehabilitation, and building envelopes. He holds a Bachelor's degree from the University of Kansas in Architectural Engineering and completed post-graduate work at Penn State University and the Missouri University of Science and Technology. Mr. Gold is former Chairman of ACI Committee 440 on FRP Reinforcement of Concrete Structures and is active in ASTM and the Canadian Standards Association. He is a registered Professional Engineer in the State of Ohio.

Amit Barde
 Moderator
 Amit Barde joined India's leading construction company M/s Larsen & Toubro Ltd as a part of the "Precast Initiative" of the Residential Buildings SBG in 2012 with over a decade of Precast Construction experience in the United States with a leading precast concrete manufacturer. He is currently heading Precast Initiative for Buildings & Factories IC & actively involved in developing and promoting Precast Technology adoption in Residential & Commercial Buildings Sector. He is known for expertise in a variety of residential, commercial & industrial precast concrete buildings. He graduated with honors from Government College of Engineering, Pune and pursued higher studies at Prestigious Purdue University, USA to complete MS in Civil Engineering. He is a licensed Professional Structural Engineer in US & Navi Mumbai & also a USGBC, LEED Certified Professional.

Organizing Committee:

Shri. Sourabh Manjrekar, President
 Dr. Vishal Thombare, Vice President
 Shri. Satish C. Dhupelia, Past President
 Shri. Chetan Raikar, Past President
 Shri. Umesh Magar, Director
 Dr. Yogini Deshpande, Hon. Secretary

Special Thanks to our India Chapter of ACI Technical Webinars Organizing Committee:

INDIA CHAPTER OF ACI **PROGRESS THROUGH KNOWLEDGE**

The webinar emphasized the crucial role of curing in achieving high-quality concrete. Students gained valuable knowledge on:

- The importance of proper curing techniques
- The impact of curing on concrete's strength, durability, and sustainability
- Best practices for curing in various construction applications

The online webinar provided a platform for students to interact with industry experts, ask questions, and gain insights into the latest developments in concrete technology. The ICACI Mumbai Chapter's online webinar on "Curing is Good" was a valuable learning experience for ACI student members. The event reinforced the importance of curing in concrete and provided students with practical knowledge and industry insights.