



SAKTHI POLYTECHNIC COLLEGE



SAKTHI NAGAR - 638 315



ACTIVITY REPORT

JULY-OCT 2024

<https://sakthitech.net>

ACTIVITY REPORT COMMITTEE

- Editorial Director : **Dr. K. R. Muthusamy**, Director
- Editor-in-Chief : **Dr. S. Senthilarasu**, Principal
- Editors : **Dr. R. Jothimurugan**
Lecturer/Physics
Dr. M. Thangapandy
Librarian
- Members of Editorial Board : **Dr. R. Kannan**
Lecturer, Department of Basic Engineering
Mr. N. Anand
Lecturer, Department of Basic Engineering & NSS
Mrs. M. Mallamma
HoD (i/c), Department of Agricultural Technology
Mr. V. Manimuthu
W/S Instructor, Department of Civil Engineering,
Standards Club
Mrs. N. Deepika
Lecturer, Department of Computer Engineering
Mr. V. Naveenkumar
Lecturer, Department of ECE
Mr. V. Velu
Lecturer, Department of EEE
Mr. V. Ashok
Lecturer, Department of I&C
Mr. B. Sabinath
W/S Instructor, Department of Mechanical
Engineering
Lt. C. Vijayaraj
Lecturer, Department of Metallurgy & NCC
Mrs. S. Shanthi
Physical Director, Department of Physical Education
Mr. D. Kumar
Coordinator, Placement Cell
Mr. K. Saravanan
HoD (i/c), Department of ECE & CIICP

DEPARTMENT OF BASIC ENGINEERING

AICTE ATAL FDP: The All India Council for Technical Education (AICTE) ATAL initiative approved a grant of ₹3.5 lakhs to Dr. R. Kannan (Coordinator) and Dr. R. Jothimurugan (Co-Coordinator) of the Department of Basic Engineering – Physics of our College to organize a Faculty Development Program (FDP) on "Nanotechnology in Materials Science." Held from August 19 to 24, 2024, the FDP aimed to equip educators, researchers, and industry professionals with cutting-edge knowledge in nanotechnology and materials science, focusing on its applications, advancements, and interdisciplinary nature.



The inauguration on August 19, 2024, was marked by traditional ceremonies, followed by a welcome address from Dr. R. Kannan. Dr. S. Senthil Arasu, Principal (i/c), delivered the presidential address, and Dr. K.R. Muthuswamy, Director, highlighted the college's commitment to academic excellence. Dr. K. Kathirvelu, Scientist F, Bharathiar University, delivered the chief guest address, given valuable insights for the material science research in the



defense research perspective. Esteemed speakers from institutions like NIT Tiruchirappalli, Anna University, Bharathiar University, Bharathidasan University, Coimbatore Institute of Technology, and Alagappa University led the sessions. A total of 46 faculty members from across India participated, benefiting from discussions on nanomaterial synthesis, applications, and advanced research tools. The program was a great success, bridging the gap between research and practical applications in the field.

As part of this, all the participants visited the research centre DRDO DIA-CoE-BU at Bharathiar University Coimbatore to explore the various research amenities available there.

First Year Inauguration Ceremony: The 44th Batch Inauguration Ceremony for first-year students of our College was held on July 19, 2024, beginning with Tamil Thaaai Valzhthu and a lamp-lighting ceremony. Dr. R. Jothimurugan welcomed the gathering, followed by Principal Dr. A. Senthilarasu's keynote address on the college's distinct features and regulations. Director Dr. K.R. Muthusamy encouraged the new students, focusing on their holistic development. Special guest Dr. N.K. Dhanapakkiyam's speech, “பாறை எங்கும் பாடங்கள்,” inspired students, drawing from the lives of figures like Abdul Kalam. Heads of Departments highlighted key aspects of their fields



and career prospects. The ceremony concluded with a vote of thanks by Mr. K. Anand and the national anthem.

Five Days Induction Programme: The First Year Induction Program for 2024-2025 commenced on June 24, 2024, with an introductory session led by Principal Dr. S. Senthilarasu. He highlighted the college's achievements, traditions, and guidelines for first-year students. Mrs. S. Shanthi, the Physical Director, discussed the college's sports activities and student accomplishments, while Dr. M. Thangapandy, the Librarian, showcased the library's extensive resources and the Readers' Club. The day concluded with a guided campus tour by class in-charges, familiarizing students with various departments and facilities.



On the second day, students were split into two groups for specialized sessions. Lion K. Vetrivel, a motivational speaker, engaged the first group with his talk titled "Everyone is Different," while Dr. R. Kannan elaborated on the new polytechnic curriculum to the second group. After a tea break, the groups switched sessions. Dr. R. Jothimurugan elaborated on the new polytechnic curriculum in this session. In the afternoon, Mr. A.P. Chandra Kumar, a soft skill trainer, delivered an enlightening session on "Personality Development."

The third day featured alumnus Mr. E.P. Vimalanathan, Assistant General Manager at Sakthi Sugars Ltd., who shared his insights on personal development and the importance of skills in industry advancements. Mr. N. Kandasamy, retired Vice President of Indoshel Mold Ltd., addressed recruitment processes and preparation strategies for students. Later, Mr. D.

Mahendran, Lecturer in Mechanical Engineering, discussed placement opportunities and the college's employment training programs.

On the fourth day, Mr. K.P. Ravichandran, Director of DMW CNC Solutions, spoke on "Career Development" and entrepreneurship for polytechnic students. Alumnus Mr. N. Manikandan shared his journey, emphasizing the college's impact on his personal growth. After lunch, Mr. K. Anand, Lecturer in Chemistry, presented on the various college clubs, their activities, and their significance.

The final day involved a field trip to Sakthi Sugar Private Limited, where students received an introduction to factory operations. Other students showcased their talents in classroom presentations. The program concluded with feedback collection from participants regarding the five-day induction experience.



Yoga Day: International Yoga Day was celebrated on June 21, 2024, at the Sakthi Auditorium, organized by the Department of Basic Engineering in association with the Heartfulness Meditation Center, Gobi. The Yoga Day celebration function was inaugurated by Director Dr. K. R. Muthuswamy and Principal (i/c) Dr. S. Senthil Arasu, with over 270 students and faculty participating. Day one featured a lecture by Mr. Karpagavinayagam on "Life Without Medicines Through Yoga" and practical yoga sessions. On the second day, guest speakers Dr. R. Sumangali and Mr. K. Murugesan conducted sessions on cognitive enhancement through yoga and meditation.



The two-day celebration highlighted yoga's role in promoting wellness and mental clarity. The event was a resounding success, fostering a deeper understanding of yoga's benefits.

Academic Visit: On August 1, 2024, A group of 120 first-year students of our College visited the Solar Observatory at Kodaikanal. The visit was organized by the college and coordinated by Dr. R. Kannan, Dr. R. Jothimurugan, Mr. M. Vikram, Mr. P. Panneerselvam, Dr. M. Thangapandy and Mr. C. Gunasekaran. During the visit, Dr. Chrispin Karthik, Indian Institute of Astrophysics, Solar Observatory, Kodaikanal engaged the students and provided valuable insights into solar physics, including the structure of the

Sun and the significance of sunspots. Students had the opportunity to observe sunspots and solar layers through telescopes, enhancing their understanding of solar phenomena. The coordinators also shared recent advancements in astrophysics, broadening students' knowledge of space exploration and technology. Overall, the visit was an enriching educational experience that fostered interest in the field of astrophysics.



Parents Meeting-1:

On September 16, 2024, a Parents-Teachers Meeting for the first-year Diploma Engineering students of A, B, and C sections was held. The objective was to inform parents about their wards' academic performance, discipline, and college rules.



Dr. R. Kannan, Lecturer in Physics, warmly welcomed the gathering, and Principal Dr. S. Senthil Arasu addressed key topics including discipline,

adherence to the dress code, cell phone usage, drug awareness, and exam preparation. Parents were reminded of the attendance requirement, pending college fees, and requested to extend their cooperation in submitting documents for scholarships.



Class in-charges, Mr. P. Panneerselvam (A Section), Mrs. C. Subathra (B Section), and Mr. M. Vikram (C Section), shared students' academic reports, discussed CAT I results, and collected feedback from parents. The meeting successfully addressed concerns like excessive cell phone use and the need for extra coaching for slow learners. Dr. R. Jothimurugan delivered the vote of thanks, and the meeting concluded with positive recommendations for regular meetings and enhanced communication between parents and the college.

Parents Meeting - 2: On September 18, 2024, A Parents-Teachers Meeting for first-year students of the Basic Engineering Department (D, E, F Sections) was organised. The meeting began with a welcome address by Mr. K. Anand, lecturer of Chemistry, followed by insights from the Director, Dr. K. R. Muthuswamy, and the Principal, Dr. S. Senthilarasu, who discussed academic expectations, discipline, and college regulations. Key points covered included mandatory haircuts, a 75% attendance requirement for exams, and the prohibition of mobile phones in class. Parents were reminded of the attendance requirement, pending college fees, and requested to extend their cooperation in submitting documents for

scholarships. Queries about transport, scholarships, and coaching classes were addressed by the Director and Principal. The meeting concluded with a vote of thanks, reminding parents to complete feedback forms and obtain signatures from all subject teachers on their ward's mark sheet.



DEPARTMENT OF AGRICULTURAL TECHNOLOGY

Forum Meeting: On September 10, 2024, a forum meeting was organised. The event featured Mr. V. Venkidusamy, TN KL Service Manager at Kubota Agricultural Machinery India Pvt Ltd., Chennai, as the chief guest. He has explained various types of equipment and tools used in farming to perform tasks like ploughing, planting, harvesting, and irrigation. Further, he talked about machines, ranging from simple hand tools to advanced tractors and harvesters, enhance efficiency and productivity in agriculture. Ms. G. Abi from the Agri-Tech Department delivered the welcome address, while Mr. K. Harikrishnan, also from the Agri-Tech Department, gave the vote of thanks, concluding the event.



Educational Visit - 1:

on July 15, 2024, students of the Agricultural Technology visited "Agri Index 2K24" in Coimbatore. The visit provided students with valuable exposure to the latest innovations and trends in the agricultural industry.



Educational Visit - 2: On July 27, 2024, the Agricultural Technology Department organized a visit to GNM Tractors to provide students with practical exposure to modern tractor manufacturing processes. The visit aimed to help students understand the vital role tractors play in enhancing agricultural productivity.

Educational Visit - 3:

On August 23, 2024, students of the Agricultural Technology Department visited the Soil and Water Conservation Research and Training Centre in Ooty. The visit offered them valuable



insights into soil and water conservation techniques and their importance in sustainable agriculture.

Agri Expo: On August 11, 2024, students from our institution attended the Agri Expo hosted by Kumaraguru Institute of Agriculture. The event offered a valuable opportunity for students to explore various displays showcasing innovations and advancements in the agricultural sector.



DEPARTMENT OF CIVIL ENGINEERING

Spot Visit: On July 24, 2024, Civil Engineering students visited three key sites: Siva Sakthi Brick & Blue Metals, a Water Treatment Plant near Athani, and the Bhavanisagar Dam. They gained insights into brick and blue metal manufacturing, water purification processes, and dam construction,



including hydroelectric power generation and flood control. The visit bridged the gap between classroom theory and real-world applications, providing valuable hands-on experience and interaction with industry professionals. It inspired students to deepen their knowledge and prepared them for better 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 witnessed the 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.



Industrial Visit:



On September 5, 2024, Civil Engineering students visited the Kongu Engineering College Sewage Treatment Plant as part of their academic curriculum. The visit was aimed to provide practical insights into wastewater treatment, plant design, and the importance of water conservation. Students observed key processes, including inlet screening, primary and secondary clarification, aeration, biological treatment, and sludge 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.

Mission Autonomy: To gain insights for applying for Autonomous Status for our institute, a committee visited Natchimuthu Polytechnic College, Pollachi on 29th August 2024. The team led by Dr. S. Senthil Arasu (Principal i/c) and Dr. K. R. Muthuswamy (Director), included Mr. K. Saravanan, Mr. S. Sakthivel, Dr. R. Kannan, and Dr. R. Jothimurugan. They engaged in a detailed discussion with Prof. C. Ramaswamy, Secretary of NIA Institutions, Dr. M. Ashok, Principal, and other officials, including the Controller, Deputy Controller, and IQAC Coordinator.





DEPARTMENT OF COMPUTER ENGINEERING

Freshers Party: On June 27, 2024, third-year students of the Computer Department hosted a welcoming celebration for their second-year peers. The event featured esteemed guests, including Director Dr. K.R. Muthuswamy and Principal Dr. S. Senthilarsu, who shared inspiring speeches with the attendees. The celebration also included a variety of fun activities, fostering camaraderie and enthusiasm among the students as they embraced their academic journey together.



Forum Meeting: On July 25, 2024, the Department of Computer Engineering organized a forum meeting for second- and third-year students. The guest speaker, Mr. P. Sudharsan, an alumnus of the Computer Engineering program, delivered an insightful session on Linux administration and cloud computing, providing hands-on training for attendees. The event offered students valuable knowledge and practical skills to enhance their learning in the rapidly evolving tech landscape.



Induction Programme: The Department of Computer Engineering organized an induction program for second-year students on July 26 and 27, 2024.

Mr. J. Tharun Kumar from ICAT Media, Bangalore, was invited as the chief guest. He shared his expertise in Adobe Photoshop, providing students with valuable insights and practical skills to enhance their creative capabilities in digital media. The program aimed to inspire and equip students as they advance in their studies.



STEM Park Visit: On August 13, 2024, the Department of Computer Engineering arranged an industrial visit for second- and third-year students. The group visited Stem Park, where students engaged in hands-on learning about scientific methods related to gravity, solar systems, and various physics concepts.



TFC Facilitation Centre: Sakthi Polytechnic College (TFC 71), proudly serves as a facilitation center for Tamil Nadu Engineering Admissions (TNEA) 2024, assisting students with application



registration, online certificate verification, grievance redressal, choice filling, and upward movement rounds. Students admitted through the Upward Movement Round received their course and college allotments from Coordinator Dr. S. Senthilarsu and Co-coordinator S.S. Boopathy. The original certificates were handed over at GCE, Erode, finalizing the admission process. Our team, through their dedicated service, ensured smooth experience for all candidates.

Achievement: Sowndharya, a student from the Computer Department recently participated in the Kalaignar Nootrandu Vizha elocution competition and secured 1st place, earning a cash prize of ₹10,000.



Appreciation: Congratulations to D. Suriyaa, a third-year Computer Engineering student, for securing a spot in IIT Madras' BS program in Data Science & Applications, all while continuing to pursue the diploma at Sakthi Polytechnic College. This remarkable achievement showcases Suriyaa's dedication and academic excellence.





DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Forum Meeting: The Electronics and Communication Engineering Department organized a forum meeting on the topic "Basics of Solid-State Devices" on September 5, 2024. Mr. K. Abishek from VI Microsystems, Coimbatore, led an insightful discussion on the foundational concepts and applications in solid state technology.



Induction Programme: The Electronics and Communication Engineering Department conducted an induction program for new students on July 12, 2024. The event aimed to welcome students and provided them with essential information about the department and its offerings. Our alumni, Mr. Manikandan and Ms. M. Kowsalya, served as the chief guests, motivating the students and discussing recent trends in the field of Electronics and Communication Engineering (ECE).



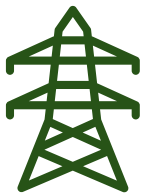
Industrial Visit: The Electronics and Communication Engineering Department organized an industrial visit to Milky Mist, Perundurai. The visit took place on July 5, 2024, for second-year students and on July 16, 2024, for third-year students. The purpose of the visit was to provide students with practical insights into industry operations and applications.



Parents Meeting: The Electronics and Communication Engineering Department successfully conducted a two-day Parents-Teachers Meeting from August 8 to August 9, 2024, for the parents of second- and third-year students. The meeting facilitated communication between parents and faculty, providing an opportunity to discuss student progress and address academic concerns.



Freshers Party: The third-year students of the Electronics and Communication Engineering Department organized a freshers' party for the second-year students (2024-2025 batch) on July 9, 2024. The event aimed to welcome the new students and foster camaraderie within the department.



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Space Research Centre Visit: On August 28, 2024, 41 third-year Electrical and Electronics students, along with three faculty members, visited the prestigious Vikram Sarabhai Space Centre (VSSC) in Thiruvananthapuram. The visit provided valuable insights into the design and development of India's renowned launch vehicles, including the PSLV and GSLV, offering an inspiring glimpse into space technology and VSSC's role in advancing India's space exploration.

Mettur Dam Visit: On August 28, 2024, 41 third-year Electrical and Electronics students, accompanied by two faculty members, visited the Mettur Thermal Power Station. The visit provided valuable insights into large-scale coal-fired power generation, with the plant's 840 MW capacity spread across three main units. Students gained a deeper understanding of

electricity generation, transmission, and distribution, bridging the gap between theory and real-world practice.



Industrial Visit - 1: On August 24, 2024, 41 third-year Electrical and Electronics students, along with two faculty members, visited Coral Manufacturing Works India Pvt Ltd in Erode. The visit provided valuable industrial exposure, offering insights into the advanced manufacturing of large-scale generators for wind, hydro, and turbo applications. Students observed the precision engineering involved in producing generators weighing up to 200 tons, deepening their understanding of power generation technology.



Industrial Visit - 2: On August 10, 2024, 41 second-year Electrical and Electronics students, along with two faculty members, visited Coral Manufacturing Works India Pvt Ltd in Erode. The visit provided practical exposure to advanced manufacturing processes for wind, hydro, and turbo generators, with the facility producing units up to 200 tonnes. This experience enhanced the students' understanding of large-scale power generation technology. The college extends its gratitude to the Government of Tamil Nadu and industry partners for supporting this valuable educational opportunity.



Blood Donation:

Rotaract Club organized a successful blood donation camp on August 13, 2024 held at Electrical and



Electronics Department. 51 units of blood were collected from eligible students. A medical team from Govt Hospital, Gobichettipalayam, and Primary Health Centre, Athani oversaw the donations. Principal Dr. Senthil Arasu S and Director Dr. Muthusamy K R honored the donors with

certificates and appreciation. The event was made possible through the efforts of faculty, staff, and students.

Fire Safety: Electrical and Electronics Engineering Department organized a fire safety program on July 29, 2024. Dharanees Fire Protection Engineers from Erode demonstrated the use of various fire extinguishers and their operation to students. The event aimed to enhance safety awareness and

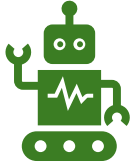


practical knowledge. Principal Dr. S. Senthil Arasu, Director Dr. K. R. Muthusamy, along with staff and students, actively participated in the program. The department regularly invites industry experts to enrich students' learning beyond the curriculum.



Walkathon: On October 6, 2024, students from the Electrical and Electronics Engineering department participated in a walkathon in Coimbatore to raise awareness about BIS standards and quality consciousness. The event was held in connection with World Standards Day.





DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

Industrial Visit: On August 29 and 30, 2024, a group of 75 second- and third-year students from the Instrumentation and Control Engineering Department visited Milky Mist Company in Perundurai, a leading dairy products manufacturer. The visit aimed to provide students with practical insights into the dairy industry, with a particular focus on the production, processing, and packaging of dairy products.



CIICP Course Completion: Students from the Department of Instrumentation and Control were awarded certificates for completing the "Industrial Automation using PLC, SCADA, and HMI" course through the CIICP program. Lecturer Mrs. K. Sudha presented the certificates, recognizing the students' dedication and the skills they gained during the course. The students learned about PLCs, SCADA, and HMIs, equipping them with the knowledge to design automation systems in the industrial sector. This event marked an important step in their educational journey, enhancing their technical abilities and preparing them for future careers in industrial automation.



DEPARTMENT OF MECHANICAL ENGINEERING

Induction and Forum Meeting: We have hosted a Forum Meeting and Induction Program on 24th August 2024, centered around the theme "Recent Trends in Artificial Intelligence & Fuel Cell Technology." The program featured two distinguished speakers, Mr. Naveenkumar S M from TIDEL Park, Chennai and Dr. Muthukumar M, Head of the Mechanical Engineering Department at Nandha Engineering College, Erode.



Both speakers delivered insightful presentations on Artificial Intelligence and Fuel Cell Technology, sharing their expertise on the latest trends, advancements, and future applications of these rapidly evolving fields.

Industrial Visit 1: On 6th September 2024, a group of second year Mechanical Engineering students of our College visited Sendhur Hydraulics, located at P.N. Road, Kunnathur, Tirupur. This industrial visit aimed to provide students with practical exposure to real-world engineering processes, complementing their classroom learning.



Industrial Visit 2: On 14th September 2024, a group of 26 second year and 40 third students from the Department of Mechanical Engineering of our College visited Coral Manufacturing India Pvt. Ltd. and Athav Hydraulics, both located in Kunnathur. The purpose of the visit was to provide students



with practical exposure to industry operations and help them connect theoretical concepts learned in the classroom with real-world applications. This industrial visit is part of the college's ongoing efforts to bridge the gap between academic learning and practical industry experience, preparing students for future careers in engineering.



Industrial Visit 3: On 26th and 27th September 2024, a group of second-year Mechanical Engineering students visited the Mettur Thermal Power Station Phase-I. The purpose of the visit was to provide students with firsthand exposure to thermal power generation processes and deepen their understanding of energy production technologies.

During the visit, students observed the operations of the thermal power plant and learned about various stages of energy generation, from fuel handling to electricity production. The experience allowed them to connect theoretical concepts from their studies to real-world energy systems, enhancing their overall learning.



Industrial Visit 4: On September 28, 2024, 36 second-year Mechanical Engineering students from Sakthi Polytechnic College visited Coral Manufacturing Works India Pvt. Ltd. in Modakurichi. The visit aimed to provide students with hands-on industry exposure and help them connect classroom theories with real-world applications. This initiative is part of the college's effort to bridge the gap between academic learning and industry practices. Such visits play a crucial role in preparing students for future careers in engineering.



Blood Donation Camp: On August 13, 2024, the Rotaract Club hosted a blood donation camp on campus in partnership with Government hospital staff. The event aimed to collect blood and raise awareness about regular donations. Volunteers from the Mechanical Department actively participated in this service and donated blood.





DEPARTMENT OF METALLURGY

NDT Course Inauguration: The Department of Metallurgy hosted the inaugural function of its Non-Destructive Testing (NDT) Training Program on June 27, 2024. The event featured a welcome address by Mr. M. Senthilkumar, M.E., who highlighted the program's objectives and its role in enhancing students' practical skills. Dr. S. Senthilarasu, M.E., Ph.D., the



Principal, emphasized the importance of NDT in metallurgy during his presidential address. A guest lecture by Mr. R. Manikandan, M.E., Managing Director of Queen India NDT Institute, provided valuable insights into the latest NDT techniques. Special recognition was given to coordinators Mr. J. Yuvaraja and Mr. P. Govindarasu for their dedication to keeping students informed about industry practices. The event concluded with a vote of thanks from Selvan Akash, a third-year metallurgy student, marking a successful step towards bridging the gap between academic knowledge and industry standards.



Eye Camp: On July 3, 2024, the Department of Metallurgy, in collaboration with Queen India Engineering Services and Agarwal Hospital, organized an eye camp for third-year Metallurgy students and staff members. The camp, coordinated by Mr. P. Govindarasu and Mr. J. Yuvaraja, offered comprehensive eye check-ups as part of an initiative to promote eye health and well-being within the department.

Blood Donation: The Electrical and Electronics Engineering (EEE) Department at Sakthi Polytechnic College conducted a blood donation camp on August 13, 2024. This initiative aimed to encourage students and staff to contribute to community health by donating blood. Students from the department actively participated in the camp, making valuable contributions to this important cause.



Guest Lecture : On August 16, 2024, the Department of Metallurgy held a Forum featuring alumnus M. Sudhakar, a 2017 graduate and current Executive at Sundaram Fasteners in Hyderabad. He delivered an insightful presentation titled "Various Aspects of Powder Metallurgy," which was aimed at bridging the learning gap for current students and fostering greater interest in their studies. Second and third-year metallurgy students actively



participated in the event, benefiting from the knowledge and practical insights shared. The event was graced by the presence of Principal Dr. S. Senthil Arasu and Director Dr. K. R. Muthusamy. All the faculty members meticulously organized the program, ensuring a valuable and enriching experience for all attendees.

Inter Foundry Expo.: From August 22 to August 24, 2024, third-year Metallurgy students participated in *Inter Foundry Coimbatore 2024*, an international exhibition and conference dedicated to the ferrous and non-ferrous foundry industry. The event, held at the CODISSIA Trade Fair Complex in Coimbatore, provided students with a unique opportunity to explore industry advancements and network with professionals.

On August 24, the students engaged with cutting-edge exhibits, gaining valuable insights into the latest trends and technologies in the foundry industry. The experience enriched their understanding of the field and exposed them to real-world industry innovations.



Winner : On September 3, 2024, a group of 12 third-year Metallurgy students participated in an event organized by the Bureau of Indian Standards, Coimbatore, held on campus as part of the Writers Club. The event was coordinated by the Civil Engineering Department.



Among the participants, Aravindh K. stood out by winning second prize in the writing competition, showcasing his talent and earning notable recognition.

Seminar Participation: On July 26, 2024, third-year students from the Department of Metallurgy participated in a one-day national seminar organized by the Department of Mechanical Engineering at Shri Venkadeshwara College. The seminar, titled *"Advanced Defence Capabilities: Harnessing Smart Materials for Security Solutions,"* focused on the role of smart materials in enhancing defence technologies.

Learning Additional Language: Hindi classes are being conducted for third-year metallurgy students. The course is coordinated by C. Vijaya Raj, with Mr. N.N. Shanmuga Raj serving as the instructor. This initiative aims to enhance the students' language skills and their communication abilities.



READERS CLUB

Expanding Their Literary Collections:



The members of the Readers Club visited the Erode Book Festival on August 8th, held annually at Chikkaiah Naicker College grounds. This visit, organized by Dr. M. Thangapandy and Mr. M. Vikram, coordinators of the Club, was not only a cultural outing but also an opportunity for literary exploration. All 63 members were encouraged to purchase at least one book, but their enthusiasm led many to buy several.

Excited students roamed through the many stalls, which featured books from well-known publishing houses and local vendors. The festival offered a rich variety of titles in both Tamil and English, ranging from the latest fiction bestsellers to scholarly works. There was something to spark the interest of every reader. Conversations buzzed as students shared thoughts about their favourite authors, discussed intriguing plotlines, and discovered hidden literary treasures.

This visit created cherished memories and a deep sense of inspiration among the members of the Sakthi Polytechnic College Readers Club, encouraging them to pursue their passion for literature.



STANDARDS CLUB

The Standards Club (No. 7026) was established in the Department of Civil Engineering during the academic year 2023–2024. Functioning under the aegis of the Bureau of Indian Standards (BIS), Coimbatore, the club regularly organizes awareness programs, industrial visits, and competitions for students. A summary of the activities conducted this semester is presented below.

Quiz Competition: On 29th June 2024, the Standards Club members of our college participated in an online quiz organized by the Bureau of Indian Standards (BIS). This quiz aimed to enhance awareness and understanding of quality and standards among students. The event provided a platform for participants to test their knowledge and gain insights into the importance of quality standards in various sectors.



Industrial Visit: On July 5, 2024, the Bureau of Indian Standards (BIS) Coimbatore Branch organized an enlightening industrial visit for our members to ALWIN PIPES in Vijayamangalam, was an exceptional



opportunity for students to witness the practical application of their theoretical knowledge and to gain a deeper understanding of the industrial processes involved in pipe manufacturing.



Writing Competition: The BIS-Standards Club of our College, Department of Civil Engineering, successfully conducted a Standards Writing Competition “Materials Selection as per Indian Standards” on September 3, 2024 and it aimed to encourage students to understand and apply Indian Standards in materials selection. The competition saw enthusiastic participation from a total of 99 students across General Engineering and all other departments of our college. The diverse participation underscored the widespread interest in standards and their application across different engineering fields. The function arrangement was skillfully handled by Mrs. C. Sowmitha, Lecturer/Civil, technical support staff members Mr. S. Marimuthu, Mr. K.K. Gowrishankar, and Mr. P. Marappan, along with student members of the Standards club. The winners of the Standards Writing Competition were announced and awarded cash prizes by



Mr.R.Lakshmanan, Principal In charge and Dr. K.R. Muthuswamy, Director. The prizes were distributed in recognition of the students' outstanding performance and understanding of Indian Standards in materials selection.

Poster Competition: On September 11, 2024, BIS Standards Club of the Civil Engineering Department, in collaboration with the Bureau of Indian Standards (BIS), Coimbatore, organized a Poster Competition on the theme "Human Health and Indian Standards." The event saw 67 participants



from various departments showcasing their creativity. Prizes were awarded to the top entries, with the first prize winner receiving Rs. 1,000, followed by Rs. 750 for the second and Rs. 500 for the third. The judging panel included Mr. M. Senthilkumar (Head of Metallurgy) and Mr. K. Saravanan (Head of Electronics). The event emphasized the importance of Indian Standards in ensuring public health and safety. Special thanks were extended to Mr. Sarathkumar of BIS for his support and encouragement.



World Standards Day 2024: The Department of Civil Engineering marked World Standards Day 2024 and the BIS Standards Club annual day on October 9, 2024, with 170 participants. The event aimed to raise awareness about quality and safety standards in engineering. Key activities included a street play on quality awareness, which highlighted the importance of

standards in ensuring safety and reliability, and the BIS Safety Awareness Quiz, which tested participants' knowledge of safety regulations.

The street play was evaluated by Mrs. S. Kasthuri, Lecturer (Electrical and Electronics), and Mr. S. Prabakaran, Lecturer (Mechanical), with the winners



receiving cash prizes and certificates. Dr. R. Shanmugam, Mentor of the BIS Standards Club, delivered the welcome address, emphasizing the role of standards in modern engineering, followed by the Presidential Address by Mr. R. Lakshmanan, Principal In-Charge. Dr. K. R. Muthuswamy, Director, praised the students' efforts in promoting quality standards.

The event was organized by the Civil Engineering staff, including Mrs. C. Sowmitha and Mr. P. Dhanasekaran, with support from the technical team and volunteers. The program successfully fostered a deeper understanding of standards among students, reinforcing their importance in engineering practices.



World Standards Day 2024: On October 14, 2024, members of the Standards Club of our college participated in the World Standards Day celebration organized by BIS, Coimbatore, at Globus Centre, Saravanampatty. The event



highlighted the importance of standards in ensuring quality, safety, and sustainability, with keynote speakers sharing insights on their impact across industries. Accompanied by Mentor Dr. R. Shanmugam and Coordinator Mr. V. Manimuthu, the students engaged with experts and gained valuable knowledge on the latest standards and practices in civil engineering. The experience reinforced the role of standardization in promoting structural integrity, sustainability, and international collaboration.



Best Mentor Award: On October 14, 2024, Dr. R. Shanmugam, Head of the Department of Civil Engineering of our College, was honored with the "Best Mentor Award" by the Bureau of Indian Standards (BIS),

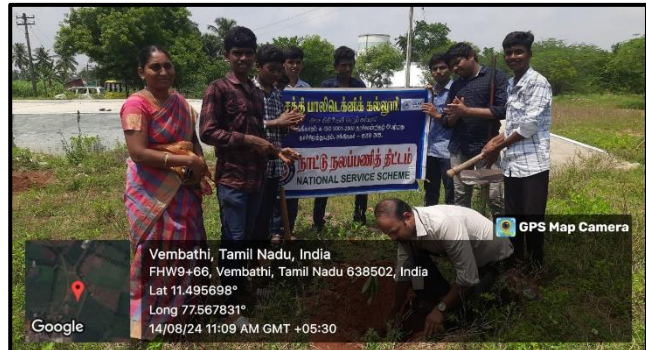


Coimbatore, during the World Standards Day Event at Globus Centre. The award celebrates his exceptional mentorship, leadership, and dedication to promoting standards and quality in civil engineering education. BIS Coimbatore praised his commitment to guiding students towards excellence in their academic and professional endeavors.



ENTREPRENEURSHIP DEVELOPMENT CELL

Tree Plantation: In celebration of Independence Day, a tree plantation ceremony was organized on August 14, 2024, at Vempathi Vellalapalayam village under the "Unnat Bharat Abhiyan" scheme. The event was a joint effort by IIT Delhi, TNAU Coimbatore, and the E.D. Cell. The ceremony was attended by Director K.R. Muthuswamy, Principal Dr. S. Senthilarasu, along with E.D. Cell coordinators, NSS coordinators, and volunteers. This initiative aimed to promote environmental sustainability and community development.



NCC ACTIVITIES

SHRAMDAAN - Clean Surroundings:

On September 25, 2024, Lt. C. Vijayaraj delivered an engaging lecture on the importance of maintaining clean surroundings. The session aimed to raise awareness about cleanliness and environmental sustainability, emphasizing the role of individual responsibility and community involvement in creating cleaner, healthier spaces.





Yoga Day: On June 21, 2024, Gobi Arts and Science College celebrated the International Day of Yoga, organized by Lt. C. Vijayaraj, with a theme promoting wellness and unity. Over 214 NCC cadets participated, engaging in yoga sessions that included postures, breathing techniques, and mindfulness practices. Lt. C. Vijayaraj opened the event by highlighting yoga's importance for physical fitness and mental clarity. The day concluded with a group meditation session, fostering peace and community spirit. This successful event underscored yoga's role in promoting health and discipline among the cadets.



Tree Plantation: On August 15, 2024, Lt. C. Vijayaraj organized a tree plantation activity that saw the enthusiastic participation of 24 NCC cadets. The event aimed to promote environmental awareness and contribute to reforestation efforts. The cadets worked together to plant various saplings, emphasizing the importance of trees in sustaining our ecosystem. It was a successful initiative that fostered teamwork and a sense of responsibility towards the environment among the cadets.

Independence Day Celebration: On August 15, 2024, an engaging Independence Day celebration was organized by Lt. C. Vijayaraj and Physical Director S. Shanthi. Principal Dr. S. Senthilarasu commenced the event with a flag hoisting ceremony, delivering an inspiring message on the significance of independence. The chief guest, Director Dr. K. R. Muthuswamy, emphasized the values of freedom and unity. The highlight was the impressive guard and sword drills performed by 24 NCC cadets, showcasing their discipline. The event brought together 60 faculty members and 80 students, fostering a vibrant atmosphere of patriotism and camaraderie. The day ended with a pledge to honour our nation's ideals.



TNSDC-DoTE-NAAN MUDHALVAN SCHEME

The *Naan Mudhalvan Scheme*, initiated by the Tamil Nadu Skill Development Corporation in collaboration with the Directorate of Technical Education (DoTE), Chennai, is a strategic initiative aimed at preparing college students with industry-ready skills. This program is designed to bridge the gap between academic learning and the specific skills required by industries, ensuring that graduates are equipped to meet the evolving demands of the modern workforce.

Implementation at Our College

Our institution is fully committed to the successful and intensive implementation of the Naan Mudhalvan (NM) Scheme. We have dedicated considerable resources and effort towards ensuring that students across different academic years benefit from the program.

- **Domain-Specific Courses for Final Year Students:** Final-year students are provided with specialized courses designed to equip them with domain-specific skills relevant to their field of study.
- **Common Skill Development Courses for First and Second Year Students:** For the first and second-year students, courses focusing on essential skills such as **communication, digital literacy, and employability skills** are offered.

Faculty Coordination and Training

A team of 24 dedicated faculty coordinators, led by **Dr. R. Jothimurugan**, the **Single Point of Contact (SPOC)** for the Naan Mudhalvan Scheme at our college, works tirelessly to ensure that the courses are conducted with sincerity and precision. These faculty members play a pivotal role in the success of the program, as they are responsible for organizing, facilitating, and guiding students through the curriculum. Most of the faculty coordinators have undergone specialized training through Faculty Development Programs conducted by DoTE. These FDPs are essential for equipping faculty with the latest teaching methodologies and industry-relevant insights, ensuring that they are well-prepared to guide students through the NM courses. The college actively encourages its faculty to

participate in these FDPs, which not only enhance their teaching capabilities but also align them with the goals of the Naan Mudhalvan Scheme.

Domain-Oriented Training with Industry Support

The domain-specific courses for final-year students are conducted with the assistance of **training partners** arranged by the DoTE. These training partners bring in industry expertise, ensuring that students receive up-to-date knowledge and skills directly from professionals working in the field. This partnership with industry experts is a key strength of the Naan Mudhalvan Scheme, as it provides students with real-world insights and prepares them for the challenges they will face once they enter the workforce.

Commitment to Student Success

The college's commitment to the Naan Mudhalvan Scheme reflects its broader mission of providing quality education and skill development opportunities for its students. By aligning with this state-level initiative, the institution ensures that its students are not only academically competent but also industry-ready. This comprehensive approach to education makes the students more employable, competitive, and prepared to excel in their careers.



Fig. (clockwise) The students of final year metallurgy, computer technology, mechanical and electrical engineering on the final day of the Naan Mudhalvan courses of the respective domains.

NSS ACTIVITIES

Anti Drug Awareness: National Service Scheme (NSS) organized an impactful Anti-Drug Pledge Programme on August 12, 2024, to raise awareness about drug abuse. The event began with a live telecast of the Chief Minister's address, highlighting the dangers of drug abuse.

A short film showcasing the harmful effects of addiction was screened, sparking meaningful discussions among students. Afterward, College Principal Dr. S. Senthilarasu, NSS volunteers, and students took a pledge to stay away from drugs and promote awareness. This initiative reflects the college's commitment to maintaining a drug-free campus and community.



Short Film: On October 7, 2024, following the District Collector's order, the NSS organized a screening of the motivational short film "Saadhanai Manavargal" for college students. The film inspired and motivated the students, as reflected in their excitement and boosted self-motivation. This initiative underscores the NSS's dedication to promoting students' personal growth through impactful media.

CIICP ACTIVITIES

On August 2, 2024, the CIICP Student Service Team organized a Dental Awareness Program cum Dental & Eye Check-up Camp in the Meeting Hall. The event, led by Mr. K. Saravanan, CIICP Continuing Education Manager, saw participation from 212 students and 10 staff members. Dr. G. Namachivayam from VMK Hospital and his team conducted the check-ups, providing valuable dental and eye health services. During the valedictory session, Mr. Saravanan presented a token of appreciation to the doctors for their efforts. The event was a success, enhancing health awareness among students and staff. The CIICP Student Services Team, led by Dr. A. Shyam and Mr. D. Mahendran, thanked the Director, Principal, and CIICP Continuing Education Manager for their support. The event's success reflected the college's commitment to student and staff well-being.



Passport Awareness Programme: On July 31, 2024, the CIICP Student Service Team of our College organized a program titled "Importance of Passport and Abroad Opportunities" in the Meeting Hall. The event was inaugurated by Dr. S. Senthil Arasu, Principal & CIICP Coordinator, and featured Mr. A. Raja from Angel Passport Services as the chief guest. A total of 85 students and 3 staff members participated, gaining valuable insights into international opportunities. The CIICP team, led by Dr. A. Shyam and Mr. D. Mahendran, expressed gratitude to the Director, Principal, and CIICP Continuing Education Manager for their support.



PLACEMENT CELL

In an era where diverse career paths are more accessible than ever, the Indian Army stands out as a prestigious and rewarding option. Our College Placement & Training Cell hosted a comprehensive training program titled "Opportunities in the Indian Army" on September 13, 2024. Major S.S. Gill, Administrative Officer, Army Recruiting Office, Coimbatore served as chief guest for this program and delivered a talk on the overview of the Indian Army, its structure and its significance in national security and development. This event was designed for students of various departments interested in exploring career opportunities in the Indian Army, particularly those considering careers in defence services, engineering, technology, and management. Participants gained valuable insights into the recruitment process and various roles within the Army, making it an excellent opportunity for career exploration. Attendees were encouraged to interact with Major Gill during the session, asked questions and given guidance on their potential paths in the armed forces.





DEPARTMENT OF PHYSICAL EDUCATION

Sakthi Polytechnic College is committed to fostering a healthy and supportive environment for its students. We actively encourage participation in sports and games, resulting in the development of numerous state and national players over the years. Our achievements in athletics continue to shine this year, reflecting our dedication to nurturing talent and promoting physical well-being. Here are some highlights of our recent accomplishments in sports.



Our team secured the Runner-Up position in the Badminton (Boys) event at the IPAA Divisional Games 2024-2025, held at Kongu Polytechnic College on August 29 and 30, 2024.



Our badminton team (Girls) achieved the Runner-Up position at the IPAA Divisional Games 2024-2025, held at Kongu Polytechnic College on August 29 and 30, 2024 (Left) and secured third place in Carrom (Boys) at the IPAA Divisional Games 2024-2025, held at Shree Venkateshwara Polytechnic College on August 22 and 23, 2024 (Right).



Our team secured the Winner position in Ball Badminton (Girls) at the IPAA Divisional Games 2024-2025, held at Cheran Polytechnic College on August 27 and 28, 2024.



Our team secured the Runner-Up position in Ball Badminton (Boys) at the IPAA Divisional Games 2024-2025, held at Cheran Polytechnic College on August 27 and 28, 2024.



Our team (Girls) emerged as the winner in Carrom at the IPAA Divisional Games 2024-2025, held at Shree Venkateshwara Polytechnic College on August 22 and 23, 2024.



Our team secured third place in Chess at the IPAA Divisional Games 2024-2025, held at Shree Venkateshwara Polytechnic College on August 22 and 23, 2024.



Our team won the championship in Carrom at the IPAA Divisional Games 2024-2025, held at Shree Venkateshwara Polytechnic College on August 22 and 23, 2024.



Our team secured third place in Chess at the IPAA Divisional Games 2024-2025, held at Shree Venkateshwara Polytechnic College on August 22 and 23, 2024.



Our team secured third place in Chess at the IPAA Divisional Games 2024-2025, held at Shree Venkateshwara Polytechnic College on August 22 and 23, 2024.



Our team emerged as the winner in Tennikoit at the IPAA Divisional Games 2024-2025, held at Shree Venkateshwara Polytechnic College on August 22 and 23, 2024.



Our team secured third place in Throwball at the IPAA Divisional Games 2024-2025, held at Shree Venkateshwara Polytechnic College on August 22 and 23, 2024.



Our team secured third place in Throwball at the IPAA Divisional Games 2024-2025, held at Shree Venkateshwara Polytechnic College on August 22 and 23, 2024.



Our team secured third place in Table Tennis at the IPAA Divisional Games 2024-2025, held at Kongu Polytechnic College on August 29 and 30, 2024.



Our team secured the Runner-Up position in Table Tennis at the IPAA Divisional Games 2024-2025, held at Kongu Polytechnic College on August 29 and 30, 2024.



We wish to proudly state that we are the only institution to secure coveted position in seven different games at a single venue.

Acknowledgements

Special thanks to all the HoD in-charges, faculty members, and organizers of various events for their timely submission of documents, which greatly contributed to the preparation of the activity report. Your cooperation and commitment are truly appreciated.