



**SAKTHI POLYTECHNIC
COLLEGE
DEPARTMENT OF MECHANICAL
ENGINEERING
NEWS LETTER**



ISSUE No:15

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DEC-2024 to MAY-2025

DEPARTMENT VISION

➤ To create industry competent and socially responsible Mechanical Engineers with an appetite for lifelong learning.

DEPARTMENT MISSION

➤ Create high quality technical learning environment with an emphasis on social and moral responsibility.

➤ Impart mechanical engineering knowledge in latest and trending concepts.

➤ Encourage the students to acquire knowledge and skills needed for industries.

EDITORIAL BOARD

- | | |
|---------------------|------------|
| 1. Dr. A. Shyam | - HOD i/c |
| 2. Mr. P. Kamalesan | - Lecturer |
| 3. Mr. D. Mahendran | - Lecturer |
| 4. Mr. R. Dhanush | - III Mech |
| 5. Mr. C. Karthik | - II Mech |

ஆசிரியர் உரை

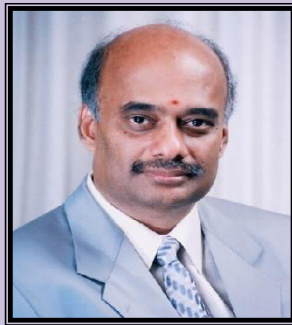
ஒரு கல்வி நிறுவனம்
கட்டிடங்களால் உயர்வதில்லை;
மாணவர்களின் திறமையாலும்
ஆசிரியர்களின்
அர்ப்பணிப்பாலும் உயர்கிறது.

ஒவ்வொரு நாளும் நாம்
கற்றுக்கொள்ளும் புதிய
அனுபவம், நம்மை அடுத்த
வெற்றிப் படிக்கட்டிற்கு
அழைத்துச் செல்கிறது.

"முயற்சி செய்யத் தயங்காத
மனமும்,
கற்றுக்கொள்ளத் தயாரான
உள்ளமும் இருந்தால்,
வெற்றி என்பது தூரத்தில்
இல்லை."

**DEPARTMENT OF MECHANICAL ENGINEERING****Since 1981****Department News Letter****For the Academic year 2024-2025-EVEN Semester****With blessings from our founder****Padma Bhushan****Arutselvar Dr. N. MAHALINGAM, B.Sc., F.I.E.****Founder – Sakthi Polytechnic College.**

Arutselvar DR. N. MAHALINGAM a legendary Gandhian by principle, a patriotic and proud son of the soil, Dr. N. MAHALINGAM was a man of pious living. His exemplary social contributions in numerous fields of socio-economic spectrum have benefited scores of institutions and individuals inspired by him during his long career. The government of India duly recognized his meritorious deeds and honored him with the prestigious Civilian Award - PADMA BHUSHAN. Dr. N. Mahalingam is also a recipient of many awards and titles conferred upon him by various educational, social and cultural institutions. As a industrialist he has several important positions and has played major roles fostering the development of agricultural, industrial, human resource and institutional development at the State and National levels. He is the Pioneer of sugar industry. He has rendered notable literary contributions. His social and humanitarian considerations took his journey beyond the boundaries of industries and scholarly tents he nurtured.

**CHAIRMAN****Dr. M. MANICKAM, M.Sc., M.B.A**

Dr. M. Manickam, the eldest son of Arutchelvar Dr N Mahalingam, is an industrialist, educationalist and an outstanding administrator with an M.B.A from the University of Michigan, U.S.A. He is the chairman of NIA educational institutions and Vice- Chairman of Sakthi Sugars. Under his capable guidance and stewardship, Sakthi Sugar Mills has expanded and set-up institutions in many places. Through his constant efforts, Sakthi Auto Components Ltd has modernized and expanded. He had been the President of the "All India Sugar Manufacturers Association" and currently he is the President of Indian Sugar Technologists Association. He was awarded an Honorary Doctorate Degree by Tamil Nadu Agricultural University. He evinces keen interest in the development of Good Infrastructure in the technical institute.

**CORRESPONDENT****THIRU.G MUNIASAMY, B.TECH., MBA**

Sakthi Polytechnic College is an Institution with a difference, started with the mission of providing quality technical education to rural youth at affordable cost. It is the vision of our beloved Founder Chairman Arutchelvar Dr. N Mahalingam, to empower the rural youth with technical knowledge and skills to train them as the most suited manpower to meet the needs and demands of the growing industrial scenario. We ensure that with the vast potentials for growth and avenues for development, Sakthi Polytechnic College will enhance the capabilities and nurture the latent talents of youth to emerge as entrepreneurs rather than job seekers.

**PRINCIPAL****Dr. S. SENTHILARASU M.E., Ph.D., MISTE.,**

Technology is the need of the hour. In this era of Globalization when there is a need for an enormous number of technically qualified personnel, Polytechnics play a vital role in supplying the industries, the inputs of their choice. Keeping this in mind our beloved Founder Arutselvar Padma Bhusan Dr N. Mahalinam established Sakthi Polytechnic College with a foresight and vision in this predominantly rural and agricultural area of Sakthi Nagar. The main aim of this Institution is to bring technical education within the reach of the rural youth. We ensure that our Institution with its excellent infrastructure, well qualified staff and conducive atmosphere for learning will go a long way in motivating the rural students to become leaders of technology in future. With Sakthi to lead them, Technical Education is no longer a distant dream for rural youth but very much a reality within their reach.

**DIRECTOR****DR. K.R MUTHUSWAMY M.E., Ph.D.,**

“A desire can change nothing, a decision can change something but a determination can change everything”. It gives me immense pleasure to welcome you all to Sakthi Polytechnic College, an eco-friendly campus that strives with a goal to attain excellence by empowering students with sound knowledge, wisdom and experience. Our strength lies in creating pleasant ambience with an excellent infrastructure, qualified and experienced faculty, commitment to personal care, motivation to excel in academic/extracurricular activities and continuous interaction with industry. Over the past 41 years, the college has witnessed a strong blend of state-of-the-art infrastructure and dedicated human resource committed to provide professional education with thrust on creativity and innovation. The motivating environment in SPC for knowledge assimilation, generation and dissemination with a sense of social responsibility, human values and concern for environment has carved a niche for itself among the best technical Institutes.



**Dr. A. SHYAM B.E., M.E., PhD., MISTE.,
HOD i/c**

Mechanical Engineering is one of the most comprehensive professional disciplines. Mechanical engineering principles are employed in a wide range of industries such as power generation, manufacturing, energy, repair and maintenance, automation and control, robotics, electronics, nanotechnology, food industries, automotive, petroleum, aerospace etc., The Department of Mechanical Engineering was established in the year 1981. The department offers the Diploma in Mechanical Engineering with present intake of 90 students. The department has highly experienced and dedicated faculty to impart quality education to the students. In addition to academics, the department strives for the holistic development of students by arranging various activities like workshops, seminars and industrial visits. The department has well equipped laboratories and we believe that our students are molded to become successful engineers and future ethical leaders with required knowledge, analytical skills and creativity to develop innovative solutions to challenging problems who are not only committed to the industry but also to the society.

S.No	Name of the Faculty	Designation
1	Dr. A.Shyam M.E., Ph.D.,	HOD i/c
2	Mr. S.Prabakaran M.E.,	Lecturer
3	Mr. R.Srinivasan B.E.,	Lecturer
4	Mr. J.Sasikumar B.E.,	Lecturer
5	Mr. T.Velmurugan M.E.	Lecturer
6	Mr. P.Kamalesan M.E.,	Lecturer
7	Mr. D.Mahendran B.E.,	Lecturer
8	Mr. R.Thangaraj D.M.E., B.E.,	Junior Drafting Officer
9	Mr. M.Sasikumar D.M.E.,	Workshop Instructor
10	Mr. K.R.Sankar I.T.I., CI., PGDCA., MA.	Workshop Instructor
11	Mr. A.Karthikeyan I.T.I.	Workshop Instructor
12	Mr. M.Jagadeesh I.T.I.	Workshop Instructor
13	Mr. K.S.Bagavathiannan D.M.E.,	Workshop Instructor
14	Mr. T.Selvaraj I.T.I.	Skilled Assistant (Sel.Gr.)
15	Mr. S.Sivalingam I.T.I.	Skilled Assistant

Career Guidance Programme: The Department of Mechanical Engineering recently organized an insightful *Career Guidance Programme* on 30th December 2024 for our third-year students, aimed at helping them navigate their career paths and gain a better understanding of the professional opportunities available to them. The session was conducted by **Mr. Sivakumar Natarajan**, (Senior Engineering Manager, Baker Hughes, UAE., mechanical alumni 1999 batch) an industry expert with vast experience in the mechanical engineering field.



Guest Lecture- Career Guidance

Industrial Visit: Our second-year Mechanical Engineering students had an insightful and educational visit to Sakthi Auto Component Limited, located in Pallagoundenpalayam, on 1st February 2025. This visit provided a valuable opportunity for students to witness the application of engineering principles in the automotive manufacturing sector. The day began with an engaging presentation about the company's history, products, and the role of mechanical engineers in their operations. Students learned about Sakthi Auto's commitment to quality, innovation, and sustainability in the automotive industry. During the plant tour, students observed the various manufacturing processes used in the production of high-quality automotive components. They were particularly impressed with the precision machinery, automated assembly lines, and the application of cutting-edge technology in producing components for leading automobile manufacturers. The tour highlighted the importance of teamwork, safety protocols, and efficient resource management in the manufacturing environment.



Industrial Visit to SACL, Palagoundenpalayam

Health & Wellness:

Our Former professor **Mr.S.D.Krishnakumar** organized a memorable **Hiking trip** for the second-year students of the Mechanical Department. On January 28th, 2025, a group of Second year mechanical students, guided by Mr. Krishnakumar, embarked on a journey to the Palampalayam Hills, Thalavaipettai, Erode Dst. The experience was both enriching and refreshing, allowing the students to connect with nature while strengthening bonds with their peers. Mr. Krishnakumar's initiative to arrange this hiking trip was a wonderful opportunity for students to unwind and engage in physical activity while also gaining valuable lessons in teamwork, leadership, and perseverance.



Hiking Trip to Palampalayam Hills

Road Safety: On 13th February 2025, the Mechanical Engineering Department hosted an insightful and impactful Road Safety Program aimed at raising awareness about the importance of safe road practices and reducing traffic-related accidents. The event, which took place at the Bhavani, was attended by students, faculty members, and local community representatives. The program featured expert talks from traffic safety professionals, local police officers, in transportation and road safety. The speakers highlighted various aspects of road safety, including the proper use of traffic signals, the dangers of distracted driving, the significance of wearing seat belts, and the importance of adhering to speed limits.

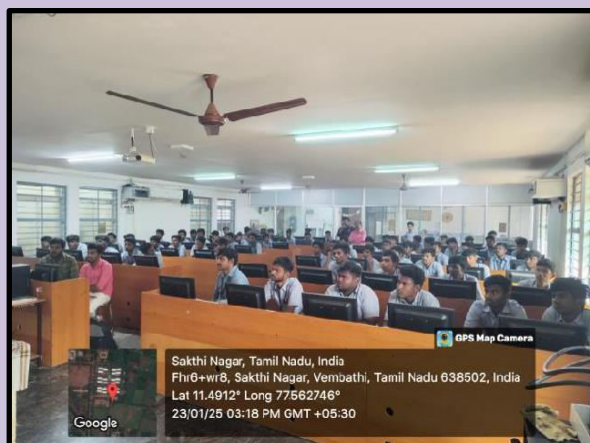


Guest Lecture: On 10th January 2025, the Department of Mechanical Engineering at our institution hosted an insightful forum meeting for third-year students, focusing on the essential topic of *“Quality Management Principles.”* The session was conducted by **Dr. J. Balasubramanian**, the esteemed Head of the Department of Mechanical Engineering at INFO Institute of Engineering, Coimbatore, who shared his wealth of knowledge and industry expertise with our students.



Guest Lecture on Quality Management Principles

Guest Lecture: Amal Jothi College of Engineering Faculty's recently hosted an enlightening **Forum Meeting** on 23rd January 2025 for our third-year Mechanical Engineering students on the topic of *"Unlocking Pathways for Advanced Education and Careers."* This session was designed to guide students on the various opportunities available for advanced education, skill enhancement, and career growth in the mechanical engineering field.



Guest Lecture on Unlocking Pathways

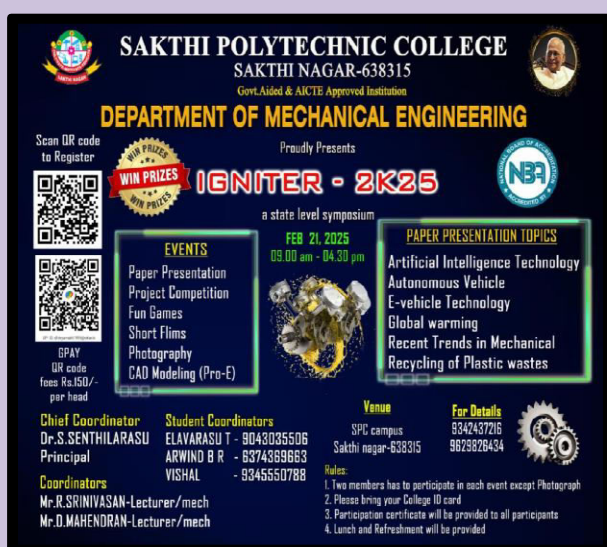
Bridge the gap between Academia and Industry : The Placement Training Cell in our college was organized a successful campus interview on 30th January 2025 for third-year Mechanical Engineering students with the renowned company, **RASI SEEDS, Coimbatore**. This event was a part of the ongoing efforts to bridge the gap between academia and industry, providing our students with valuable opportunities to step into the professional world.



Guest Lecture on Bridge the gap between Academia and Industry

A State Level Symposium- IGNITER 2K25

The Department of Mechanical Engineering was conducted “A State Level Technical Symposium” “IGNITER 2K25” on 21.02.2025. Events like Paper presentation, Project Expo, Fun Games, Short films, Photography and CAD Modeling was conducted. In this connection various college Students were participated and secured different Position. The Department of Mechanical Engineering, Sakthi Polytechnic College, Sakthi Nagar, Erode, Tamil Nadu, wishes to thank our Management, Director and Principal for given approval to conduct this Symposium.



SAKTHI POLYTECHNIC COLLEGE
SAKTHI NAGAR-638315
Govt.Aided & AICTE Approved Institution

DEPARTMENT OF MECHANICAL ENGINEERING

Proudly Presents

IGNITER - 2K25
a state level symposium

EVENTS
Paper Presentation
Project Competition
Fun Games
Short Films
Photography
CAD Modeling (Pro-E)

PAPER PRESENTATION TOPICS
Artificial Intelligence Technology
Autonomous Vehicle
E-vehicle Technology
Global warming
Recent Trends in Mechanical
Recycling of Plastic wastes

VENUE
SPC campus
Sakthi nagar-638315

FOR DETAILS
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9829829434

Rules:
1. Two members has to participate in each event except Photograph
2. Please bring your College ID card
3. Participation certificate will be provided to all participants
4. Lunch and Refreshment will be provided

Chief Coordinator
Dr.S.SENTHILARASU
Principal

Student Coordinators
ELAVARASU T - 9043035506
ARWIND B R - 9374899663
VISHAL - 9345550788

Coordinators
Mr.R.SRINIVASAN-Lecturer/mech
Mr.D.MAHENDRAN-Lecturer/mech





National Level Technical Symposium

Internship Report:

- ❖ Second-year Mechanical Engineering students of our institution successfully completed their industrial internship training at various industries, including Sugar Industries, Hydraulic Industries, and Mechanical Workshops. **objective** of this internship was to bridge the gap between theoretical knowledge and real-time industrial practices, thereby enhancing students' technical competence, practical skills, and professional attitude.

Faculty Achievements:

- ❖ Dr. A. Shyam, Lecturer, Department of Mechanical Engineering, successfully completed a one-week online Faculty Development Program on “Disaster Management & Resilient Infrastructure” from 06/01/2025 to 11/01/2025. The program was conducted by the AICTE Training and Learning (ATAL) Academy.

- ❖ Mr. P. Kamalesan, Lecturer, Department of Mechanical Engineering, successfully completed a one-week online Faculty Development Program on “Disaster Management & Resilient Infrastructure” from 06/01/2025 to 11/01/2025. The program was conducted by the AICTE Training and Learning (ATAL) Academy.

Students Achievements:

- ❖ Second-year students participated in one day Faculty Development Program on Emerging Trends of AI in Electric & Hybrid Vehicles events “held at JKKM.
- ❖ Second-year students have successfully completed the Additive Manufacturing course, conducted by Tamil Nadu Skill Development Corporation under TANSAM.
- ❖ Second-year students have successfully completed the Innovating with Google Cloud AI online course.

Placement Achievement – Mechanical Engineering (2024–2025):

The Department of Mechanical Engineering at Sakthi Polytechnic College has achieved an outstanding placement record for the academic year 2024–2025. Out of 69 students registered for placement, all 69 students were successfully placed, securing 189 placement offers from leading industries. The department recorded a highest salary package of ₹21,500 per month and an average salary package of ₹15,000 per month. Renowned companies such as TVS, BorgWarner, Brakes India, Centum Electronics, Sakthi Auto, ZF, Royal Enfield, Indo Shell Cast, Pricol, Delphi TVS, Magna, LGB, and DWSI participated in the campus recruitment process. This remarkable achievement reflects the department's commitment to academic excellence, industry-oriented training, and enhancing students' employability.



SAKTHI POLYTECHNIC COLLEGE, SAKTHI NAGAR - 638 315

GOVT.AIDED | APPROVED BY AICTE & AFFILIATED TO DOTE, CHENNAI | NBA ACCREDITED PROGRAMMES - CIVIL, MECH, MET & EEE & ECE

PLACEMENT RECORD - 2024-25



HIGHEST SALARY PACKAGE : RS.21,500 / MONTH
AVERAGE SALARY PACKAGE : RS.15,000 / MONTH

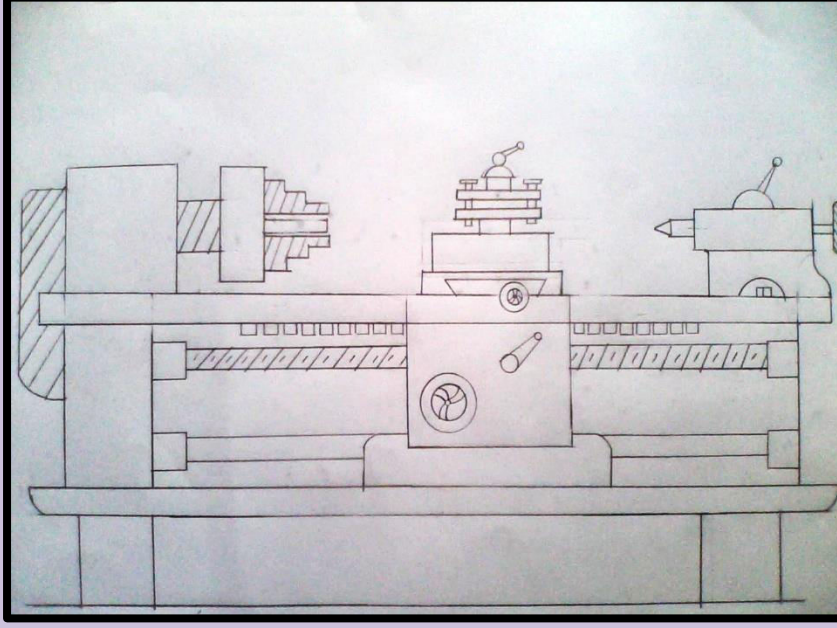
MECHANICAL ENGINEERING





NO. OF STUDENTS ADMITTED	NO. OF STUDENTS OPTED FOR HIGHER STUDY	NO. OF STUDENTS REGISTERED FOR PLACEMENT	NO. OF STUDENTS PLACED	NO. OF OFFERS
78	05	69	69	189

Placement Record

Students Achievements:

Art by,
Harikrishnan M - II / Mech

பாதைகள் மாறலாம்,
பயணம் நிற்காது.
காலங்கள் மாறலாம்,
கனவுகள் மறையாது.
உழைப்பை நண்பனாக்கி,
நம்பிக்கையை நெஞ்சில் சுமந்து,
ஒவ்வொரு நாளையும்
வெற்றியாக மாற்றுவோம்.

"சிந்தனை சிறகடிக்கட்டும்;
சாதனை தொடர்ந்து உயரட்டும்."

இயந்திரப் பொறியியல் துறை
சக்தி பாலிடெக்னிக் கல்லூரி