



DEPARTMENT OF MECHANICAL ENGINEERING

NEWSLETTER 2023-24

VISION OF OUR COLLEGE

To deliver holistic technical education of high standards that creates competent technocratic leaders of the future, from diverse backgrounds, who will power India to greater heights, and to combine with a holistic approach for the development of character and skills of students.

MISSION OF OUR COLLEGE

To achieve and realize our Vision by

- Providing a conducive academic environment to our students that promotes creativity, nurtures hidden talents and develops self-confidence
- Maintaining high level of academic standards by keeping abreast of newer technologies and tools in both teaching and communication
- Providing quality education to impart basic engineering knowledge commensurate with a diploma level qualification
- Taking efforts to prepare students to be 'Industry-ready' at the time of leaving our college
- And to achieve the above without any compromise to our core values of Honesty, Sincerity, Dedication, Trust & Excellence

VISION OF OUR DEPARTMENT

To be a distinguished department that develops industry-ready mechanical engineers, successful entrepreneurs who embody the pride of nation through exceptional skills, quality and innovation.

MISSION OF OUR DEPARTMENT

- To equip students with advanced technical skills and industry knowledge by improving the curriculum, collaborating with industries, and connecting with alumni.
- To foster entrepreneurship and innovation by encouraging interdisciplinary projects and hands-on problem-solving.
- To promote ethical practices and excellence to develop professionals who contribute to the Nation's progress and pride.

PEO

PEO1: Build a solid foundation in mechanical engineering principles and practical skills to effectively apply theoretical knowledge to real-world challenges.

PEO2: Prepare successful careers in industry, entrepreneurship and higher education with adaptability and problem-solving expertise.

PEO3: Uphold ethical values, foster innovation and demonstrate social responsibility to contribute positively to society and the environment.

PSO

PSO1: Apply core mechanical engineering knowledge and advanced skills in design, analysis, simulation, and manufacturing to develop innovative, efficient and sustainable solutions for real-world challenges.

PSO2: Cultivate an entrepreneurial mindset, uphold ethical standards, and leverage innovative skills to drive technological advancement and support the nation's growth.

Participation & Activities of our Faculty members:

- Mr. S.Chellappa, HoD/MECH, participated in 5 Faculty Development Programs.
- Our department faculty members participated in various activities nearly 25 FDPs, workshops, training programs.
- The following staff members Dr.M.Ponrajan Vikram, Mr.R.Sundhara Vadivel, Mr.R.Sathish Krishnan, Mr.M.Mohammed Farook have gone for Industrial training in India Cement, Sankar Nagar during 10.05.2024 to 30.05.2024.

MECHANICAL ENGINEERING ASSOCIATION ACTIVITIES:

➤ A two-day Faculty Development Training Program on 'Teaching Applied Mathematics-I & II using GEOGEBRA Software' was conducted at our institution on March 18, 2024, and March 19, 2024. The program was sponsored by DOTE - SPCU and organized by the Department of Mechanical Engineering, Sankar

Polytechnic College, Sankarnagar, Tirunelveli.



- On 12/02/2024, a seminar on Industrial Safety & EHS (Environment, Health, and Safety) Policies was conducted by Mr. S. Balasubramanian, Industrial Safety Manager, Tamil Nadu Industrial Safety.
- On 07/09/2023, a Technical Seminar on Renewable Energy Resources was conducted, featuring Dr. N. Murugan, Deputy General Manager, BHEL, as the keynote speaker.
- On 27/07/2023, the Mechanical Engineering Association of Sankar Polytechnic College organized a Paper Presentation Competition at the Process Automation Lab. The event was graced by Dr. A. Sankara Subramanian, Principal, and judged by an esteemed panel, including Mr. S. Chellappa, HoD/Mechanical Engineering, and Dr. V. Janakiraman, Former Professor of Mechanical Engineering at Einstein College of Engineering.
- On 24/07/2023, the Mechanical Engineering Association of Sankar Polytechnic College organized a Technical Quiz Competition at the Process Automation Lab. The event was judged by Mr. S. Selvaraj and Mr. R. Sathish Krishnan, both Lecturers in the Mechanical Engineering Department.



INDUSTRIAL VISIT:

- On 28.07.2023 and 11.08.2023, III Year Mechanical Engineering students visited the Thoothukudi Thermal Power Station, guided by faculty members including Mr. R. Sundhara Vadivel, Mr. A.C.V. Sivasailam, Mr. S. Murugan, Mr. M. Mohamed Farook, Mr. Raja Vinoth, and Mr. V. Ramesh Prabu.
- From 04.08.2023 to 05.08.2023, III Year Mech-A & B students visited several industries in Chennai—ZF Commercial Vehicle India Ltd, L&T Railway Infrastructures Pvt Ltd, Sundaram Fasteners Pvt Ltd, Mando Automotive India Ltd, and KYB Motorcycle Suspension India Ltd—coordinated by Mr. S. Chellappa, Mr. C. Murugan, and Mr. A.C.V. Sivasailam.
- On 23.01.2024, faculty members Mr. S. Selvaraj, Mr. S. Murugan, Mr. R. Sundhara Vadivel, Mr. B. Selvasundaram, and Mr. V. Ramesh Prabu accompanied III Year A & B students on an industrial visit to ISRO-IPRC, Mahendragiri.



INPLANT TRAINING:

- **K.Selva Vigneshwaran** of II Year-A underwent two industry training sessions: 6 days at *Susee Engineering and Automobiles Pvt. Ltd.*, and 7 days at *TVS Sri Krishna Autos*, Tirunelveli, enhancing his technical exposure.
- **M. Sheik Mohammed, M. Siva Balan,** and **A. Arun Kumar** from II Year-A successfully completed a 7-day industrial training at *TVS Sri Krishna Autos*, gaining hands-on experience in automobile servicing.

WORKSHOP AND PROJECT COMPETITIONS:

- Students from our department actively participated in various technical events, including the Cycle Design Challenge Workshop attended by K. Selva Vigneshwaran at Kamaraj College of Engineering and Technology, Virudhunagar from 11.07.2023 to 12.07.2023, and a Design Workshop attended by S. Soorya on 18.07.2023 at CADD Centre, Tirunelveli.

- On 22.02.2024, S. Soorya, K. Gilson Beer Mohamed, and K.S. Authinathan participated in the Innovative Project Contest organized by Francis Xavier Engineering College, Tirunelveli.

EXTRACURRICULAR ACHIEVEMENTS:

- On 27.07.2023, K.S. Authinathan and K. Gilson Beer Mohamed brought laurels to the department by securing first and second places respectively in the Paper Presentation event conducted at Sankar Polytechnic College, Sankarnagar.
- On 09.08.2023 and 26.08.2023, they actively participated in multiple technical events including Quiz, Connection, and Photography at PSN Institute of Technology and Science, and Kongunadu College of Engineering & Technology, Trichy.
- M. Sheik Mohammed successfully completed an Online Soft Skills Training by IIT Madras (NPTEL) from 08.01.2024 to 13.01.2024 and took part in an Online Quiz conducted by St. Xavier's College on 02.03.2024.

TOPPERS LIST:

- **K. Selva Vigneshwaran** emerged as the top scorer in the IV Semester (2023-24) of the Mechanical Engineering Department with an outstanding **698 out of 700** marks.
- **M. Sheik Mohammed** and **M. Aswin** secured the second position with impressive scores of **685 out of 700** each, showcasing consistent academic excellence.
- **A. Nikkinson** also earned a spot among the top performers with a commendable score of **665 out of 700**, reflecting his strong academic efforts.

SANKAR POLYTECHNIC COLLEGE (GOVT AIDED AUTONOMOUS INSTITUTION ESTD 1958) SANKARNAGAR - 627357, TIRUNELVELI	
MECHANICAL ENGINEERING SEMESTER IV (2023-24) TDP SCORER	
	K. SELVA VIGNESHWARAN 698/700
	M. SHEIK MOHAMMED 685/700
	M. ASWIN 685/700
	A. NIKKINSON 665/700

ACHIEVEMENT IN SPORTS:

- **M. Iyyappan** secured the **First Prize** in the Divisional Level **Carrom Tournament (IPAA)** held at Sankar Polytechnic College, Sankarnagar on **26.09.2023**.
- He further showcased his talent by emerging as the **Runner-Up** in the **State Level IPAA Carrom Tournament** conducted at PSG Polytechnic College, Coimbatore from **23.01.2024 to 24.01.2024**.
- **Lakshmanaperumal** also made the department proud by achieving the **Runner-Up** position alongside M. Iyyappan in the same **State Level IPAA Carrom Tournament**.



NSS/NCC:

- 12 students from Mechanical Engineering department have enrolled in NSS Senior Division Army Wing as NCC Cadets.

Editorial Board:

Chief Editor : Mr. S.Chellappa, HOD/MECH

Faculty Editors :

Mr. R.Sathish Krishnan, Lect/MECH
 Mr. M.Mohammed Farook, Lect/MECH

Student Editors :

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