

DEPARTMENT OF AUTOMOBILE ENGINEERING
PROGRAM OFFERED : B.E. AUTOMOBILE ENGINEERING

AutoXploR



e-NEWSLETTER
August, 2023

EDITORIAL TEAM

Faculty



Dr J Venkatesan
Professor & HoD



Dr V Ganesh
Associate Professor &
AHoD



Mr R Sakthivel
Assistant Professor



Mr A K Boobalasantilraj
Assistant Professor

Students



Mr Rohith R R Menon
III Year AUT



Mr P Abhinandan
II Year AUT

DEPARTMENT OF AUTOMOBILE ENGINEERING

The Department of Automobile Engineering was started in the year 1999 with sanctioned intake of 30. The intake was increased from 30 to 60 in the year 2009. The department has well-qualified and experienced faculty and staff members of proven ability and administrative skills. It has well equipped state-of-the-art laboratories that cater to the needs of the students. The department is actively engaged in teaching and research in the areas of Automobile Engineering and related areas. The department is accredited for three years in the year of 2018 by National Board of Accreditation.

Vision

To be a forerunner in producing Competent and Responsible Engineers in the field of Automobile and Associated areas to meet the ever-changing needs of the Global Automotive Industry and the Society.

Mission

Vision achieved by,

1. Providing the state-of-the-art laboratory facilities to train the learners to cater to the changing needs of the industries and the society.
2. Providing opportunities for the learners to bring out their total personality and emphasizing ethical values.
3. Preparing the learners to meet the growing challenges of the automotive industry and to fulfill the diverse societal needs of our nation.
4. Providing research and intellectual resources to address contemporary and complex problems of the industries and to advance interdisciplinary research and applications.
5. Providing compassionate and diverse environment to encourage the students to become innovators and job providers.

Program Educational Objectives

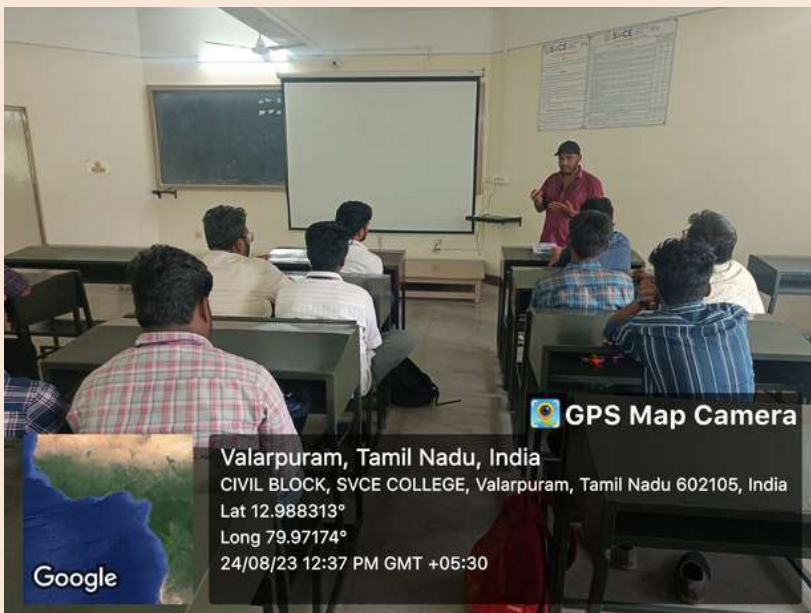
PEO1: To apply technical and professional skills in Automobile Engineering to meet the demanding and growing challenges of the industries.

PEO2: To apply professional and interpersonal skills by continuously focusing on learning towards higher education and research.

PEO3: To direct learners to become successful entrepreneurs by inculcating professionalism, responsibility, and ethics.

ASSOCIATION ACTIVITIES

·Mr. Shanmugaraja, (Alumnus of the 2017-21 Batch) currently pursuing an M.S. in Mechatronics at Technical University Liberec, Germany, shared valuable insights with automobile students on 24-08-2023 @12:30 pm.



INDUSTRY VISIT

Final-year B.E. Automobile Engineering students conducted their industrial visit at WESTERN THOMSON INDIA Limited in Gummidipoondi, Tamil Nadu, between 11:00 a.m. and 3:00 p.m. WESTERN THOMSON INDIA Limited, a prominent components group, is a leading manufacturer specializing in Temperature Control and Precision Engineered parts. Their Temperature Control parts comprise Thermostats, Temp Sensors, and other related products, with major suppliers being Suzuki, TVS-BMW, and Toyota.



FACULTY CONTRIBUTIONS

PROPOSAL SUBMITTED

Dr. J. Venkatesan, Professor & HoD of the Departmentn ,Dr. K. Paul Durai and Dr. G. Ravi, Assistant Professor have submitted the proposal to conduct the Faculty Development Program titled “Electric Vehicles” under ATAL Faculty Development Programme for the Academic year 2023-24. The training program aims to enhance the faculty's knowledge and expertise in this area, enabling them to provide comprehensive instruction to the students.

STUDENTS ACHIEVEMENTS

CO Curricular Activities

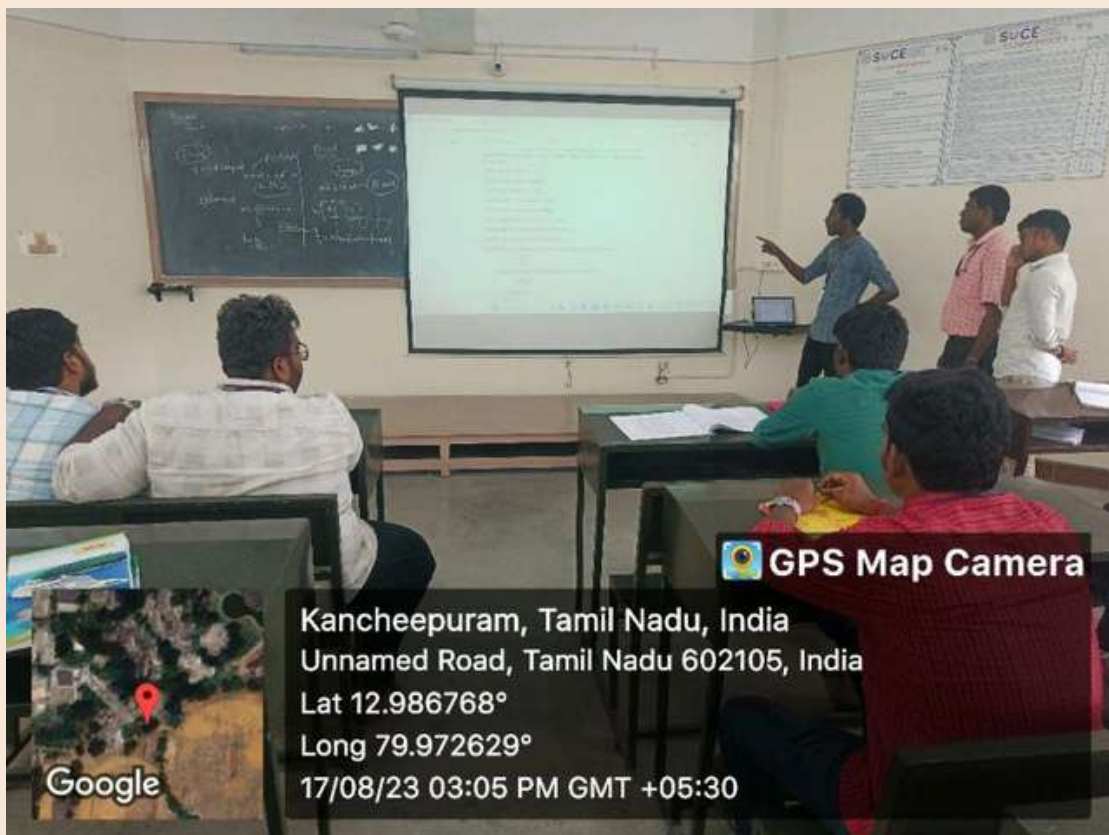
9 students from II year Automobile Engineering participated the "Drug Free India", in Anna University Guindy Campus on 26.08.2023.



STUDENTS ACHIEVEMENTS

SEMINAR

During their Vehicle Dynamics class on August 17, 2023, final year Automobile Engineering students presented a captivating seminar on determining the center of gravity for two-wheeled vehicles, using MATLAB simulations for braking and tractive forces, emphasizing implications for vehicle design and safety.



RESEARCH ACTIVITIES

Dr. V. Ganesh, Associate Professor, and Mr. R. Sakthivel, Assistant Professor, from the Department of Automobile Engineering, have been awarded an Intramural Research Grant of Rs. 1,00,000 for their project titled “Design and Analysis of a variable braking force system for a Two-wheeler” by the SVCE Management for the year 2023-2024.

Dr. J. Venkatesan along with his Ph.D scholar Mr. R. Nirmal Kumar presented a technical paper "Experimental Investigation and Exergy Analysis of DI Diesel Engine Enriched with Hydrogen with Varying Flow Rate" in the International Conference on Functional Materials for Energy and Manufacturing (ICFMEM 23), held at Pallavan College of Engineering, 26.07.2023.