

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

AutoXploR



e-NEWSLETTER

October, 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.

INDUSTRIAL VISIT

Third year B.E Automobile Engineering students visited ROOP Automotive Ltd., SIPCOT Industrial park, Vallam, Vadagal, Sriperumbudur on 20.10.2023. Accompanied by Dr. G. Ravi, Asst. Professor, Department of Automobile Engineering.

Mr. A. K. Boobalasantilraj, Assistant Professor participated in the PALS industrial visit at Brakes India Foundry division, Sholinghur on 27.10.2023, gaining valuable insights into the operations and processes of the industrial setting.



ASSOCIATION ACTIVITIES

Inaugural Function

The Department of Automotive Engineering hosted the inaugural function for The Association of Automobile Engineering (AAE) and SAE Collegiate Club of SVCE. The event took place in the Bio-Tech Tech Conference Hall from 9:30 A.M. to 11:00 A.M. on 13.10.2023.



SVCE Sri Venkateswara College of Engineering
Autonomous Institution, Affiliated to Anna University, Chennai
Approved by the AICTE, Accredited by NAAC


DEPARTMENT OF AUTOMOBILE ENGINEERING
THE INAUGURATION OF
ASSOCIATION OF AUTOMOBILE ENGINEERS (AAE) & SAE COLLEGIATE CLUB OF SVCE



Mr. Adithya Kanakaraj
Alumnus 2006-10
Associate General Manager & Team Lead of Audit-Plant Hyundai Motor India Pvt Ltd

Mr. Raja R
Associate Vice President & Vertical Head of Audit-Hyundai Motor India Pvt Ltd

Venue : Bio-Tech Seminar Hall
13th October 9:30 AM to 11:00 AM




SVCE Sri Venkateswara College of Engineering
(An Autonomous Institution - Affiliated to Anna University, Chennai)
Sriperumbudur Tk - 602117, Tamil Nadu

DEPARTMENT OF AUTOMOBILE ENGINEERING

SOLICIT YOUR ESTEEMED PRESENCE FOR THE INAUGURATION OF **SAE CLUB OF SVCE**
ASSOCIATION OF AUTOMOBILE ENGINEERS (AAE)
&
SAE COLLEGIATE CLUB OF SVCE (SAE)

AGENDA

- Prayer song
- Lighting the lamp
- Welcome Address
- Presentation
- Introduction of the office bearers
- Introduction of Chief Guests
- Honouring the Chief Guests
- Vote of Thanks
- National Anthem




Faculty Coordinator
Mr. R. Sakthivel, Assistant Professor
Mr. A.K. Boobalsenthilraj, Assistant Professor

Scheduled on **13th October 2023** Venue **Bio Tech Seminar Hall**
9:30 AM to 11:00 AM

Convener
Dr. J. Venkatesan, Professor & Head
Dr. V. Ganesh, Associate Professor & A.HoD

svce.ac.in



ASSOCIATION ACTIVITIES

Inaugural Function

Mr. Shrikrishnaa G, a fourth-year student, presented the annual report, introducing the activities of the Associations. The presentation highlighted the success of "TRAXION 2K23" and detailed the flagship event "AUTO EXPO." Post-symposium, discussions covered events like SAE Tier-1, BAJA SAE, EBAJA SAE, ETWDC, and upcoming plans for the academic year. Mr. R. Sakthivel, Assistant Professor, announced the office bearers for the Academic Year 2023-24.



ASSOCIATION ACTIVITIES

Inaugural Function

Mr. Raja, Associate Vice President & Vertical Head of Audit, Hyundai Motor India Ltd shared valuable insights in a live interactive session with students, emphasizing key traits for academic success and highlighting Hyundai Motors as a promising career platform.



ASSOCIATION ACTIVITIES

Inaugural Function

Mr. Adithya Kanakraj, Alumnus (AUT: 2006-10), Associate General Manager & Team Lead of Audit - Plant, Hyundai Motor India Ltd delivered a pep talk on personal transformation for the corporate world, fostering a Q&A session that enriched attendees' understanding. The event concluded with a Vote of Thanks by Mr. R. Sakthivel, Assistant Professor expressing gratitude to the chief guests and all office bearers for their contributions.



ASSOCIATION ACTIVITIES

SAE Tire I Event

The SAE Collegiate Club of SVCE successfully executed the "SAEISS Student Convention 2023-24" on October 25, 2023, hosted in the Auto CADD Laboratory. Our heartfelt thanks to all participants from diverse departments who contributed to making this event a resounding success. Selected members start at Tier-1 within the college, progress to Tier-2 (Zonal level), and, if chosen, they can then compete at Tier-3 (National level).

The poster features logos for SAE Club of SVCE, SVCE Sri Venkateswara College of Engineering (affiliated to Anna University), and the Institution's Innovation Council (IIC) with SVCE IOAC. The main text is in orange and white, listing the event details and dates. At the bottom, there is a list of faculty and student coordinators and a registration link. A central image shows a sleek orange sports car.

SAE CLUB OF SVCE
AN AUTONOMOUS INSTITUTION-AFFILIATED TO ANNA UNIVERSITY
PENNALUR, SRIPERUMBUDUR 602 117, TAMIL NADU

SAE COLLEGIATE CLUB OF SVCE

Organises

SAEISS STUDENT CONVENTION 2023-24

TIER-1 EVENTS

- AUTO QUIZ
- BUSINESS PLAN COMPETITION
- ENGINEERING DRAWING
- ENTREPRENEURSHIP
- GROUP DISCUSSION COMPETITION
- INTERNET OF THINGS
- MATERIAL IDENTIFICATION
- TECHNICAL PAPER PRESENTATION

25th OCTOBER 2023

Faculty Coordinator:

- Dr. V. GANESH, A.Hd, ASSOCIATE PROFESSOR
- Mr. R. SAKTHIVEL, ASSISTANT PROFESSOR, AUTOMOBILE ENGINEERING
- Mr. J. SIVARAMAPANDIAN, ASSISTANT PROFESSOR, MECHANICAL ENGINEERING

Student Coordinator:

- Mr. A.ARAVIND
- Mr. P.ABINANDAN

Registration  <https://forms.gle/n9ZCSBu6iiLZ1ov86>

ASSOCIATION ACTIVITIES

SAE Tire I Event-Results

The following students were won the prizes in the SAE Tire I events organized by The SAE Collegiate Club of SVCE during the "SAEISS Student Convention 2023-24" held on October 25, 2023, in the Auto CADD Laboratory.

- Mr. P. Abinandan, Mr. R. Aakash R, and Mr. A. Aravind, III year, Department of Automobile Engineering won the first prize in the Auto Quiz.
- Mr. Rohith R R Menon, Mr. G. Shrikrishnaa and Mr. J. V. Vigneshwaran, IV year, Department of Automobile Engineering won the first prize in the Technical Paper Presentation.
- Mr. R. Raviram, Mr. M. S. Tharun, K And Mr. J. Sachithananthan, IV Year Mechanical Engineering Students won the first prize in the Business Plan Competition.
- Mr. Thapasvi Puvvada, IV finar Year Biotech, Mr. S. Justin Kiran Kumar and Mr. U. Vinish, IV Year Mechanical Engineering Students won first prize in the Group Discussion.

ASSOCIATION ACTIVITIES

Workshop on - ETWDC 2024

The Department of Automobile Engineering and the SAE Collegiate Club of SVCE of Sri Venkateswara College of Engineering in association with SAEINDIA Southern Section - Oragadam Division recently organized the National Level Two Days Workshop on "Dr. G. Padmanabham Memorial Electric Two-Wheeler Design Competition (ETWDC) 2024" between 28th and 29th October 2023.

The inaugural address featured Mr. I. Meenakshi Sundaram, CTO - Amalgamation Group, and the Chief Guest Address was delivered by Mr. C. Varadarajan, Head - R&D (Retd.), TAFE. The workshop, meticulously designed for the registered teams, included sessions conducted by experts from SAEINDIA Southern Section.



ASSOCIATION ACTIVITIES

Workshop on - ETWDC 2024

The interactive Q & A session that followed the presentation encouraged active participation and knowledge exchange. Attendees enthusiastically posed questions and sought clarification from the expert, further enriching their understanding of the topic.



ASSOCIATION ACTIVITIES

Workshop on - ETWDC 2024

Mr. R A Armstrong initiated the session by delving into the fundamentals of Engineering Drawing, emphasizing its significance in CAD Modeling. He proceeded to provide a tutorial on Siemens NX 12.0, a premier CAD/CAM/CAE software, guiding participants through the step-by-step process of sketching models and facilitating hands-on exercises with Self-Evaluation Tests. Following this, Mr. C Varadarajan, Head - R&D (Retd.), TAFE, covered the broad spectrum of vehicle engineering, touching on topics like Vehicle Dynamics, materials & manufacturing, safety engineering, Human Factors, and Ergonomic Trends and Innovations in EV.

The event also featured a session on Power Train Calculation & Master Layout by Mr. Nallaperumal SS (Systems Architect, Vitesco Technologies) and Mr. Venkateswaran (Deputy Manager, Royal Enfield), providing valuable insights to participants.



ASSOCIATION ACTIVITIES

Workshop on - ETWDC 2024

During the valedictory function, esteemed chief guests distributed participation certificates to teams, concluding with gratitude from Dr. V. Ganesh, Associate Professor at Sri Venkateswara College of Engineering. The workshop successfully gathered 34 teams with 243 participants, fostering active engagement in hands-on sessions on battery vehicle design, power train calculations, CAD modeling, and vehicle engineering. Attendees gained practical experience in the master layout of electric two-wheelers, and experts from SAEINDIA Southern Section shared valuable insights, simplifying complex concepts for practical application.



FACULTY CONTRIBUTIONS

Road Safety Awareness Programme for Drivers organized by the Department of Automobile Engineering, Dr. V. Ganesh, Associate Professor, delivered a lecture to impart safety responsibilities and awareness among drivers on 31.10.2023, at 2:00 pm in the Library Seminar Hall.

Dr. S. Premnath , Associate Professor, Management representative has initiated the New version of ISO 21001:2018 on 27.10.2023.



FACULTY CONTRIBUTIONS

Mr. A. K. Boobalasesenthilraj, Assistant Professor, received two awards from SAE Southern Section India for his outstanding contributions as a volunteer and treasurer during the academic year on 19.10.2023



RESEARCH RELATED COLLABORATIONS

Mr. R. Sakthivel, Assistant Professor received appreciation from SAE Technical Papers for review of the Manuscript 23NETP-0225 titled "Enhancing Aerodynamic Performance of a Formula Car through Design Modification and Evaluation" on 11.10.2023.