

Society of Automotive Engineers (SAE) India

About:

SAEINDIA is the Indian chapter of the global organization, Society of Automotive Engineers (SAE) International. It is a professional society dedicated to advancing mobility solutions and knowledge in automotive and aerospace industries. The mission of SAEINDIA is to provide a platform for professionals and students to enhance their technical skills and knowledge in automotive engineering. SAEINDIA is affiliated with SAE International, connecting its members to a global network of professionals and experts in the field. SAEINDIA organizes various activities such as technical events, conferences, seminars, and competitions to foster learning and collaboration among members. It publishes technical papers, journals, and magazines to disseminate the latest advancements and research in automotive technology.

Objectives

:

- Enhance the technical and practical skills of students in the field of automotive engineering through workshops, training programs, and hands-on projects.
- Provide a platform for students to connect with professionals, experts, and peers in the automotive industry through networking events, guest lectures, and industry visits.
- Encourage participation in national and international automotive competitions organized by SAEINDIA, fostering a spirit of innovation and healthy competition among students.
- Facilitate the exchange of knowledge and ideas by organizing technical sessions, expert talks, and discussions on cutting-edge topics in automotive engineering.
- Arrange industrial visits, internships, and interactions with professionals to expose students to the practical aspects of the automotive industry.
- Promote research and innovation by providing a platform for students to undertake projects, present papers, and contribute to the advancement of automotive technology.
- Support the overall professional development of students by helping them build leadership skills, communication skills, and a strong understanding of industry standards and practices.
- Engage in community service and outreach programs to showcase the positive impact of automotive engineering on society and encourage interest in the field among the wider community.

SAE Office Bearers: Faculty Coordinator, President, Secretary, Treasurer

Table: Details of Workshops / Seminar / Certificate courses organized under SAE

Sr. No.	Name of The workshop/seminar	Target audience	Duration/ Date	Objective	Recourse Person	Outcomes
1	Competition on "Aeromodelling 2023"	Mech Students	01Sept 2022 to 23 July 2023	Optimize the design of the aircraft for enhanced performance in terms of lift, drag, and stability.	SAE India Southern Section	Hands-On Experience and Practical Application of Knowledge, Skill Development and Professional Growth
2	Workshop on "Aeromodelling 2022"	Mech Students	1 st Sep 2022 to 3rd Sep 2022	Maximize the payload capacity of the aircraft while adhering to weight limitations and structural integrity.	SAE India Southern Section	Increased Understanding of Aero Modelling Principles and Promotion of Innovation and Creativity
3	Workshop on Aeromodelling	Mech Students	28th May 2022	Fundamental Knowledge Acquisition and Understanding Flight Dynamics	Mr. Bhatu Patil, Alumni, SVKM IoT	Increased Understanding of Aero Modelling Principles and Promotion of Innovation and Creativity
4	02 days hands on Workshop on Design and assemble of E-Kart	SY and TY Students	28/10/2022 to 29/10/2022	Empowering participants with hands-on skills and knowledge in the design and assembly of E-Karts, fostering innovation, sustainability, and promoting STEM education in the field of electric vehicles	Mayureshwar More and Team S Falcons, Students, SVKM IoT, Dhule	Participants gain practical expertise in E-Kart design and assembly, fostering a deeper understanding of electric vehicle technology, sustainable transportation solutions, and promoting a culture of innovation and engineering excellence

Salient achievements of SAE Club:

Team M-Mobulus (2021-22)

- Participation in 7th Aero Design Challenge
- **All India Rank #2** in Best Aerodynamic Analysis (CFD) in Micro Class, SAEINDIA Southern Section,

Team M-Mobulus (2019-20)

- Participation in “Aero Design Challenge -2020” during 29th Feb – 3rd Mar 2020, held at SAE INDIA, Coimbatore, Tamil Nadu.
- All India Rank (AIR) 10 Overall in the competition
- AIR 4 for Technical Presentation
- AIR 5 for Flight Round



All India Rank #2 in Best Aerodynamic Analysis (CFD) in Micro Class



02 days hands on Workshop on Design and assemble of E-Kart