

Society of Automotive Engineers Collegiate Chapter MBCET

The Society of Automotive Engineers is India's leading resource of mobility technology which primarily aims to incorporate automotive interests among student community. The SAE head office is located at Chennai ;The collegiate chapter of Mar Baselios college of Engineering and technology Thiruvananthapuram is 100th official Collegiate Chapter in southern section. The Chapter consist of 90 student members and 2 faculty advisors from Mechanical Engineering Department . The official Inauguration of the chapter was held on 11th December 2021, Saturday and the details are described below.

The SAE chapter focuses of various transport means which runs through air, road & water. The students are encouraged to participate in various events like SAE BAJA, SAE AERO Design, SAE Supra events. The MBCET chapter has decided to built a campus utility vehicle as a curtain raiser project and a separate team consisting of 25 members have started the work which includes both Design & Manufacturing phase .In addition to that, various events and online lectures are been going on as per the SAE calendar schedule and majority of the members are actively participating in those programs.

SAE MBCET Lecture Meet

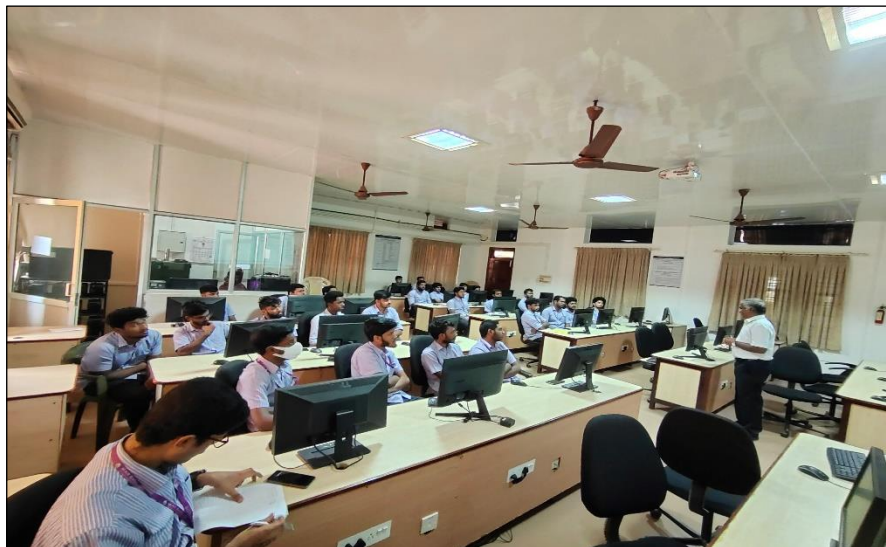
On the 29th of March 2023, the SAE Collegiate Club at MBCET organized a lecture event centred on the topic of "CAREERS AND COMPETENCIES". The event took place at the CAD Lab located within the Mechanical Department of MBCET, and it was attended by over 50 SAE members. The proceedings of the event began at 10:00 AM with an introductory speech delivered by Aashish B Nath, student from the Mechanical Department. The keynote speaker for the event was Mr. S Shanmugam, who is the current Managing Director of Design Desk (India) Private Limited and a former Chairman of SAE in Chennai.

Mr. Shanmugam initiated the lecture by inquiring whether the audience possessed knowledge of diverse industrial practices and methodologies, predominantly emphasizing on the automobile industry. Subsequently, he elucidated on the distinct techniques employed in such

industries through a practical illustration. The example presented was a design problem which was utilized to illustrate how engineers who are working on the problem approach it.

In the following segment of the lecture, Mr. Shanmugam shifted the focus towards differentiating between engineers and drafters. He expressed that over the course of his profession, he has encountered several engineers who are solely proficient in design and drafting software, which falls under the job description of drafters. He further elaborated on the significance and objective of engineers, emphasizing on the paramount importance for them to have knowledge of at least one numerical computing software.

In the concluding part of the lecture, Mr. Shanmugam discussed several prospects in the domain of Mechanical Engineering. Additionally, he provided guidance on the approach to be taken for pursuing advanced education in this field and explained the relevance of higher education in the contemporary world. On the whole, the lecture provided to be highly enlightening, as it enabled the audience to comprehend the importance of engineers for society, along with the necessity of pursuing higher education. The session ended with a vote of thanks by Mr. Mobin M Mathew, faculty advisor of SAE MBCET.



Student Work / Competitions (Ongoing) : CAMPUS UTILITY VEHICLE

The SAE MBCET Chapter has come up with an Unique idea to built a campus utility vehicle. A team of 25 members was formed exclusively for this project through interviews and test. The whole team is divided as below mentioned headings , Design, Manufacturing , Electric Drives, Cost & Material Procurement . The team members are working hard to complete their dream project by 2023 May.