

SAE India – TCET (A.Y. 2020-21)

SAE International is the US-based global association of engineers and technical experts in the aerospace, automotive and commercial-vehicle industries meant for connecting and educating mobility professionals to enable safe, clean, and accessible mobility solutions for the benefit of humanity. SAE India is a strategic alliance partner of SAE International registered in India dedicated to the advancement of mobility industry in India. SAE India - TCET is student's chapter formed in A.Y. 2017-18 to bridge the gap between the industry and academia and inculcate professionalism in the students. This is the 2nd student's chapter associated with the Department of Mechanical Engineering. The main objective of SAE India – TCET is to provide students with a platform for enhancing their engineering and professional skills beyond curriculum and offer opportunities for active participation in national and international level technical competitions. It is run by 82 student members and guided by two faculty advisors.

Working Committee	
Faculty	
Senior Faculty Advisor	Dr. Sanjay Kumar
Additional Faculty Advisor	Mr. Sachin Oak
Students	
Student Chair Person	Mr. Shubham Mishra
Student Vice Chair Person	Mr. Abhinav Nair
Student Secretary	Ms. Niharika Rane
Student Treasurer	Mr. Vijay Mistry
Student Program Chair	Mr. Vrushal Naik
Student Publicity Chair	Mr. Shubham Shah
Student Membership Chair	Mr. Rohit Yadav
Student Reception Chair	Ms. Arya Bansode

Important Activities:

Technical Debate Competition	September 2020
One Day Electric Vehicle Awareness Programme	October 2020
Seminar on Correct Strategy for Competitive Exams	November 2020
Formula Imperial 2020 Virtual Competition	November 2020
Institute Technical Design Event	January 2021
Technical Poster Presentation during Multicon-W 2021	February 2021
Human Powered Vehicle Championship (HPVC) 2021	March 2021
Quad-Torc 2020 Competition	March 2021

SAE India TCET Bulletin Release	April 2021
Formula Imperial 2021 Competition	June 2021
SUPRA SAE India 2021 Competition	July 2021

Achievements:

Formula Imperial 2020 (Team Mavericks Racing):

- AIR position 2nd
- 2nd in Innovation Round
- 3rd in Design Round
- 4th in Cost Round
- 5th in Business Round

ASME HPVC 2020 (Team Photon):

- 1st Rank in Overall Competition
- 3rd Place in Endurance Event
- 3rd Place in Women's Speed Test
- 4th Place in Design Event

Supra SAE INDIA (Team Eclipse Racing):

- 20th in Business Presentation out of 120 Teams.

Quad Torc 2019 (Team Technocrats):

- Won First prize in Cost Plan.
- Secured First place in DisAsm (Dis-assembly & Assembly) event
- Ms. Ruchi Pourana (Student of Final Year of Mechanical Engineering) received Judges Choice Award of Best female participant in the event.
- Secured Second place in Business Plan presentation.
- Secured Third place in Traction Test.
- Secured Third place in Fuel Economy Test.
- Finished sixth in the endurance race.
- AIR position 5th among 50 registered teams.

Future Plans:

- To participate in Supra SAE India 2021, Quad-Torc 2021, Formula Imperial 2021, Hybrid Vehicle Challenge, BAJA SAE India 2022, Formula Bharat 2022, SAE India Aero Design Challenge 2022
- To encourage TCET students to compete in more and more National and International Level Competitions
- To organize technical seminars (with emphasis on webinars) on latest technologies in mechanical and automotive engineering.



**SENIOR FACULTY ADVISOR
DR.SANJAY KUMAR**



**FACULTY ADVISOR
MR.SACHIN OAK**

SAE India – TCET Faculty Advisors

<p>CHAIRPERSON 2020-21</p>  <p>SÆINDIA</p> <p>SHUBHAM MISHRA</p>	<p>VICE CHAIRPERSON 2020-21</p>  <p>SÆINDIA</p> <p>ABHINAV NAIR</p>	<p>SECRETARY 2020-21</p>  <p>SÆINDIA</p> <p>NIHARIKA RANE</p>
<p>TREASURER 2020-21</p>  <p>SÆINDIA</p> <p>VIJAY MISTRY</p>	<p>PROGRAM CHAIR 2020-21</p>  <p>SÆINDIA</p> <p>VRUSHAL NAIK</p>	<p>PUBLICITY CHAIR 2020-21</p>  <p>SÆINDIA</p> <p>SHUBHAM SHAH</p>
<p>MEMBERSHIP CHAIR 2020-21</p>  <p>SÆINDIA</p> <p>ROHIT YADAV</p>	<p>RECEPTION CHAIR 2020-21</p>  <p>SÆINDIA</p> <p>ARYA BANSODE</p>	<p>HONORARY</p> <p>INTRODUCING SÆINDIA TCET-CORE</p> <ul style="list-style-type: none"> • CHAIR PERSON: MR. SHUBHAM MISHRA • VICE CHAIRPERSON: MR. ABHINAV NAIR • SECRETARY: MS. NIHARIKA RANE • TREASURER: MR. VIJAY MISTRY • PROGRAM CHAIR: MR. VRUSHAL NAIK • PUBLICITY CHAIR: MR. SHUBHAM SHAH • MEMBERSHIP CHAIR: MR. ROHIT YADAV • RECEPTION CHAIR: MS. ARYA BANSODE

SAE India – TCET Working Committee (A. Y. 2020-21)



Students of Team Mavericks Racing at Campus Mentorship Programme by Formula Imperial 2020



Team Photon at ASME Human Powered Vehicle Challenge 2020



**Students Team Eclipse Racing at SUPRA SAE India 2019
(Buddh International Circuit, Greater Noida (U.P.))**



Students Team Technocrats at Quad-Torc 2019 (Bijnor, U.P.)



Glimpse of Quad-Torc 2019 (Bijnor, U. P.)

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Electric Vehicle Awareness Programme

Electric Vehicles: Testing & Certification

Dr. Mohammad Rafiq B. Agrewale
Manager, Academy
ARAI

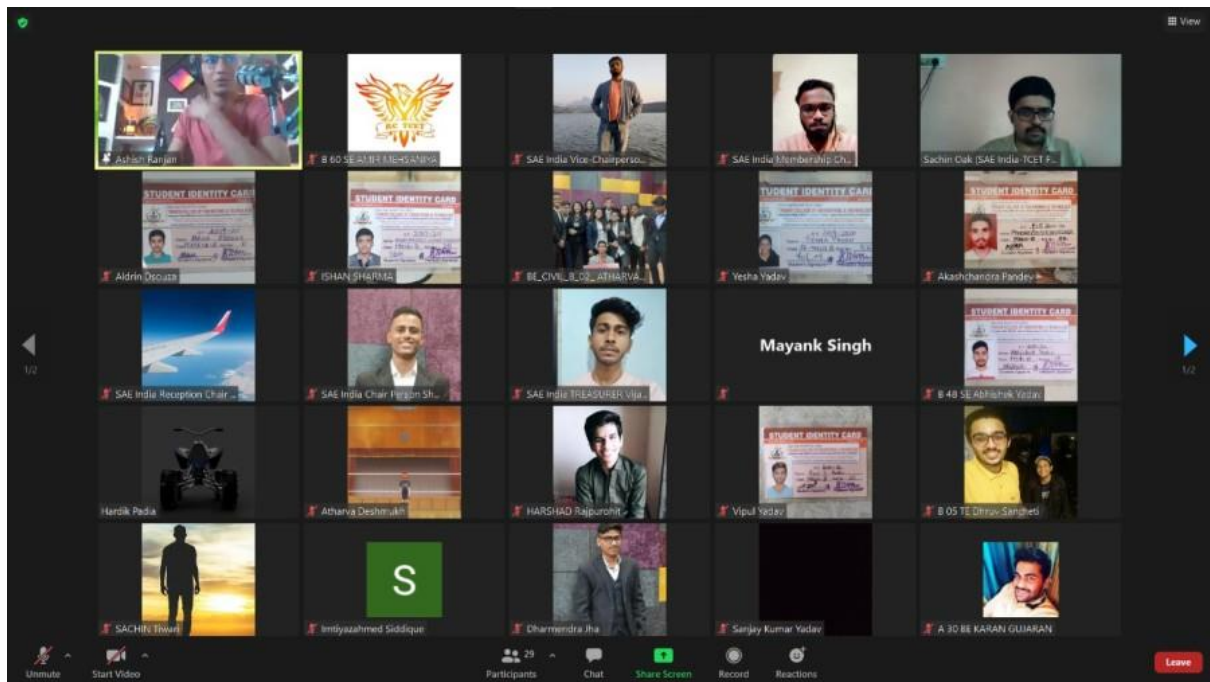
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Progress through Research

Dr. M Rafiq Agr...

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Glimpse of One Day Electric Vehicle Awareness Online Programme



Glimpse of Online Seminar on Correct Strategy for Competitive Examinations