

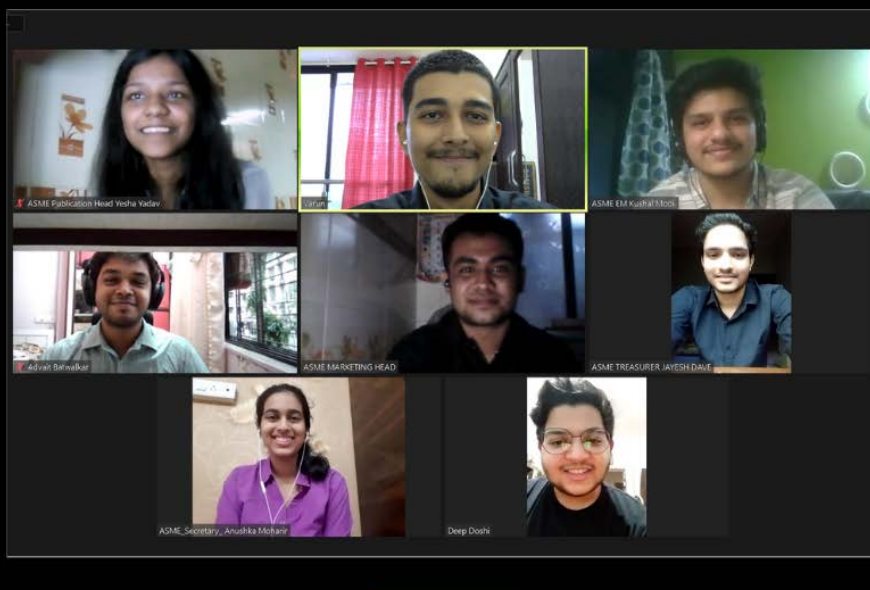


MECHANICAL DEPARTMENT PRESENTS

BULLETIN

2020-21

ASME CORE 2020-21



FACULTY IN-CHARGE

DR. SANJAY KUMAR
MR. KRISHNA GAIKWAD
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VICE CHAIRPERSON
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EVENT MANAGER
TREASURER
MARKETING HEAD
PUBLICATION HEAD
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SAE CORE 2020-21



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SECRETARY
TREASURER
PROGRAM CHAIR
PUBLICITY CHAIR
MEMBERSHIP CHAIR
RECEPTION CHAIR



29TH
AUGUST 2020

INTRODUCTION:

ASME- TCET conducted a seminar on Studying Abroad during Covid-19 for second, third and final year students

OBJECTIVES:

- 1. The purpose of the seminar was to tell students about the various changing parameters required for Higher Education after the covid 19.
- 2. To give each student a real perspective of further studies and how to go about doing the same

ABOUT:

Studying abroad provides many advantages students can gain, such as: Broadening world views and ways of thinking by experiencing different cultures firsthand.

Benefiting students with future career opportunities by providing more life experiences and personal connections. IMFS (Institute of Management and Foreign Studies) on of the prestigious institutions in the field organized the seminar. Mr. K.P. Singh, the CMD of IMFS, was

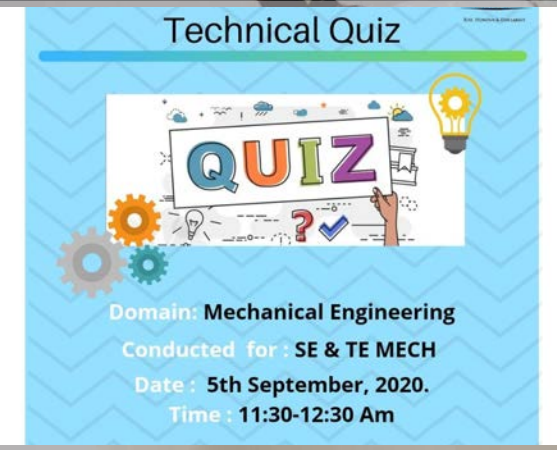
the speaker at the seminar. Students of all branches of engineering were a part of this enlightening seminar. He reflected his profound knowledge on the fact that how important it is to plan early for abroad studies and how IMFS helps one in this process.

OUTCOMES

- 1. Awareness amongst students about the current situation.
- 2. Awareness about various competitive exams needed to enter prestigious universities for Higher Education.



05TH SEPTEMBER 2020



INTRODUCTION:

In order to test technical knowledge of engineering students department of mechanical engineering held poster competition taking a holistic approach of students of mechanical engineering branch.

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ABOUT COMPETITION:

A quiz is a form of game or mind sport in which players attempt to answer questions correctly about a certain or variety of subjects. Quizzes can be used as a brief assessment in education and similar fields to measure growth in knowledge, abilities, or skills.

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The quiz was based on various subjects of mechanical engineering including, Thermodynamics, Strength of Materials, Material Science and Metallurgy, etc. 64 students from SE and TE MECH participated in the quiz. Many students actively participated in the competition. The main objective of the competition was to test the technical knowledge young minds of young engineers' in order to ensure their holistic development

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Winners from SE



Harsh Gore (MECH A-20)



Mayank Singh (MECH B-36)



Vikas Mishra (MECH A-54)
Mehsaniya Amir Attaullah (MECH B-60)
Luv Jha (MECH A-31)

Winners from TE

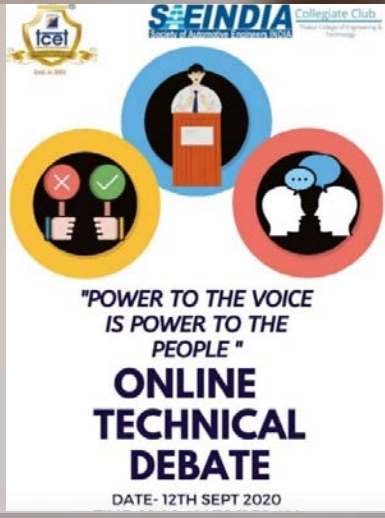


Varun Berry (MECH A-06)
Rahul Lakhamade (MECH A-42)



Para Saraiya (MECH A-69)

12TH SEPTEMBER 2020



INTRODUCTION:

SAE India Collegiate Club of TCET conducted a Technical Debate for the students of Mechanical Department on 12th September 2020 on the topic Is India ready for renewable ERA?,

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ABOUT COMPETITION:

A debate is an organized argument or contest of ideas in which the participants discuss a topic from two opposing sides. Those who agree with this statement or idea are the "Pro" side whereas the others are on the "Con" side. Each side will show in an organized and clever way why they believe to have the right answers.

Debate is like an intellectual sport where you have to learn the skills to win. Many students from SE and BE MECH participated in the technical debate. The main objective of the competition was to make the students familiar with debate and encourage them to express their views in a fluent manner. The students had a healthy debate competition with exchange of knowledge and research. The winners for the same were declared after the event.

SE

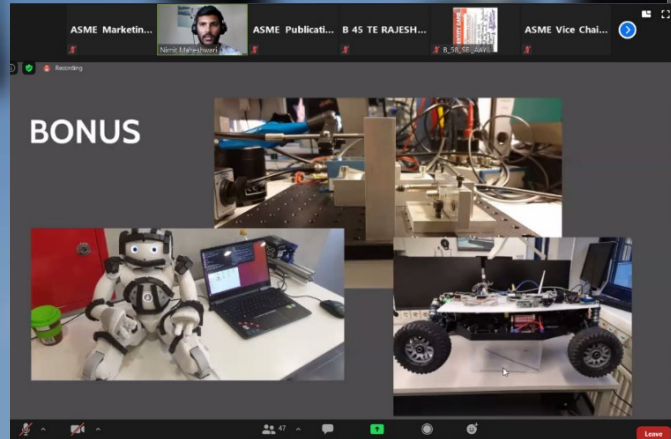
- #1 OM PITALE
SANKALP SAXENA**
- #2 KETAN PATIL**
- #3 GAURAV YADAV**

BE

- #1 BALAJI MURTHY**
- #2 PRAJAKTA SURLEKAR**
- #3 VEDANT AWASTHI
NAKUL KOTHARI**

19TH SEPTEMBER 2020

Building Bridge between a Young Alumni and Current student plays an active role in voluntary programs like mentoring students in their area of expertise and hence, ASME-TCET organised an alumni interaction on 19th September 2020. The speakers were Mr. Nimit Maheshwari, a Mechanical Engineering graduate from Batch of 2018, TCET. He had his active participation in SAE, MUNs and formation of Team Technocrats. He is currently studying Mechatronics Engineering at Germany and did his Internship at Mercedes-Benz.



Mr. Venkatesh Modi, a Mechanical engineering graduate from Batch of 2018, TCET. He had his active participation in ASME and formation of Team Technocrats. He worked at Volkswagen Pvt. Ltd. Students of SE, TE and BE of Mechanical Engineering had joined the session and had all their doubts cleared with our speaker

Social reasons

- Mandatory public health insurance
- Well defined labour laws
- Pension funds for everyone
- Unemployment benefits
- Comparatively peaceful and environment friendly



13TH OCTOBER 2020

INTRODUCTION:

SAE India Collegiate Club of TCET in association with ARAI (Automotive Research Association of India) conducted One Day Electric Vehicle Awareness Programme for students from all the branches of TCET

OBJECTIVES:

1.The purpose of the program was to tell students about the various changing parameters of day to day transport . 2.To give each student a real perspective of further studies and how to go about doing the same

ABOUT:

The esteemed speakers of this programme were Dr. Sanjay Patil, Mr. Amitabh Das and Dr. Mohammed Rafiq. This event focussed on electrical vehicle start ups and general awareness in India, challenges faced worldwide. This programme gave a sneak peak into history of vehicles.



The speakers gave information on policy making requirements and also highlighted ARAI's centre of excellence in Green Mobility. ARAI has been playing crucial roles assuring safe, less polluting, more efficient and reliable vehicles.

OUTCOMES

- 1.Awareness amongst students about electric vehicles.*
- 2.Awareness about ARAI and how it is now recognized as a Scientific and Industrial Research Organisation (SIRO)*



06TH

NOVEMBER 2020

Formula Imperial has been organized by Imperial Society of Innovative Engineers (ISIEINDIA). It is a student formula style vehicle design and manufacturing event.

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ABOUT:

Team Mavericks Racing, the official Student Formula Team of TCET, that designs and manufactures Student Formula Style Vehicle and represents TCET in Formula Imperial Event which is organized by ISIE India. Team Mavericks has the main aim to design and fabricate the more efficient and economical student formula vehicle which also runs on New / Renewable Energy.



- The achievements of Team Mavericks Racing are:*
- 1) Second All India Rank*
 - 2) Secured First place in Innovation*
 - 3) Secured Second place in Design*
 - 4) Secured Fourth place in Cost Report*
 - 5) Secured Fifth place in Business Plan*

Team Mavericks Racing has now started their journey for Formula Imperial 2021

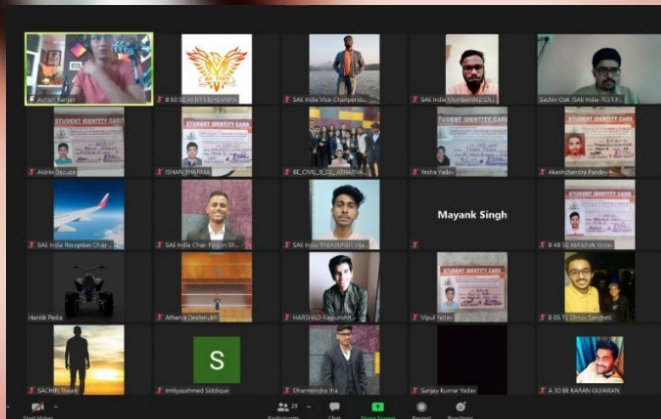


07TH
NOVEMBER 2020

SAE India Collegiate Club of TCET organized a Webinar on Correct Strategy for Competitive Examinations on 7th November 2020

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ABOUT:

A competitive examination is an examination where candidates are ranked according to their grades and/or percentile and then top rankers are selected. The speaker for the event was Mr. Ashish Ranjan who himself has cleared two of the most prestigious National Level Competitive Exams of India BARC & ISRO ICRB and has worked in both BARC & ISRO as a Scientist.



The Seminar has helped the students on all fronts and has achieved its purpose of making all the students aware about the different National Level Competitive Exams and opportunities for higher studies and job opportunities there after qualifying these Exams in PSUs, and other research oriented Organisations like BARC, ISRO, DRDO etc.



13TH
OCTOBER 2020

& 26TH
FEBRUARY 2021

DETAILS

Workshops on Autodesk Fusion

360

DAYS

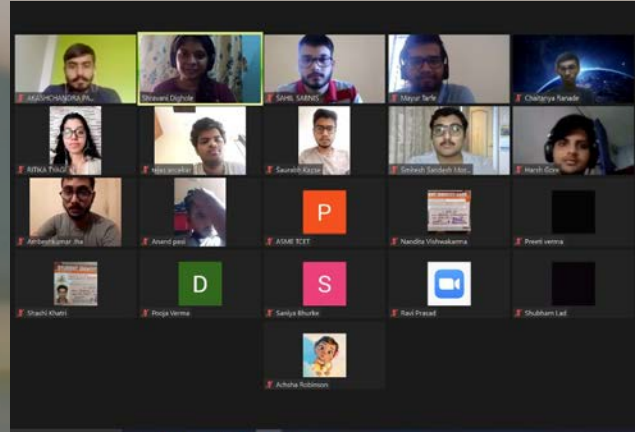
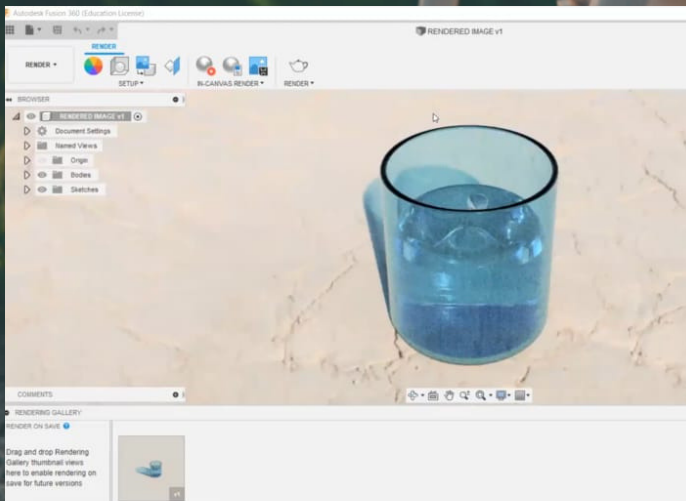
2 days each

PARTICIPANTS

*About 50 students from
Mechanical Department.*

INTRODUCTION

ASME organised two important technical workshops for technical fest as well as for Multicon 2021 of the institute. Fusion 360 workshops were conducted that helped to develop and understand the overall concept of designing and automation



ABOUT:

FUSION 360 WORKSHOP:

Fusion 360 is a cloud-based CAD/CAM tool for collaborative product development. Fusion 360 enables exploration and iteration on product ideas and collaboration within distributed product development team.

Fusion 360 combines organic shapes modelling, mechanical design and manufacturing in one comprehensive package. This workshop was conducted by 3 students of Mechanical Department, who themselves are well versed with the software. Around 50 students attend this workshop which was conducted through Zoom.

OBJECTIVES

- 1. The purpose of the workshop was to give the students an insight of Autodesk Fusion 360*
- 2. To teach the students about the Design Workspace, Simulation Workspace, Model rendering, Animation and Analysis in Fusion 360.*

OUTCOME

- 1. The participants were fluent with Fusion 360 software by the end of the workshop.*
- 2. The assignments further helped the students in understanding the concepts better.*

FUSION 360



13TH

FEBRUARY 2021

INTRODUCTION:

ASME-TCET organized a seminar on solid works and ansys workbench for the second and third year students to guild them in order to pursue a career in the above mentioned fields

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SEMINAR:

SOLIDWORKS is a very productive 3D CAD software tool, with its integrated analytical tools and design automation to help stimulate physical behaviour such as kinematics, dynamics, stress, deflection, vibration, temperatures or fluid flow to suit all types of design.

Seminar on Solidworks and Project Management by CADD Training Center, one of the most known institute for engineering courses. Organized on 13th and 22nd February, 2021, the speakers Mr. John Mathew, Ms. Manisha Halankar and Mr. Sandeep Nair threw light on concepts, facts and numbers for better understanding and apprehension of students We thank CADD Training Centre for helping to take students of mechanical department a step closer to success.

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OUTCOME:

- 1). Understanding the concept*
- 2). Taking note of importance of the topics mentioned and helping the students for their future.*

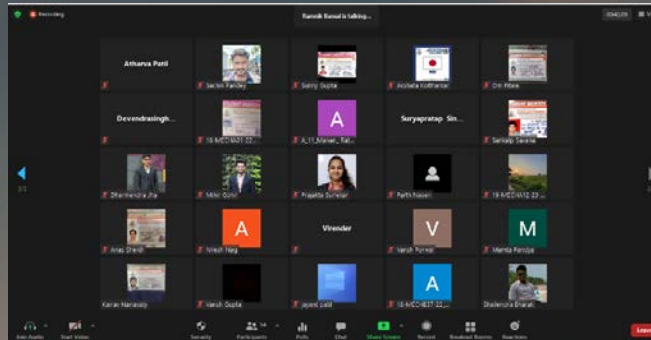
13TH
MARCH 2021

INTRODUCTION:

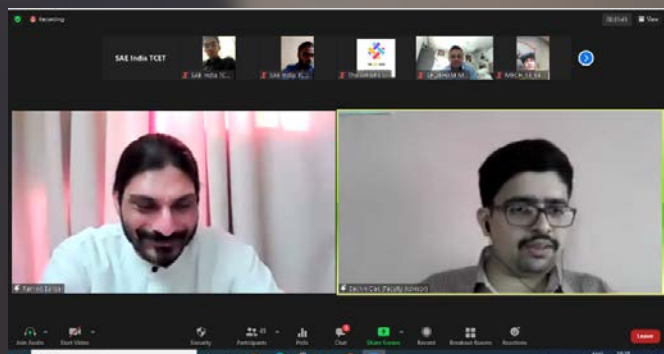
SAE India Collegiate Club of TCET organized a Webinar on an innovative topic “Technology & Spirituality” on 13th March 2021

SEMINAR:

“God is nothing else but this marvelous universe which follows its own scientific laws. Spirituality is nothing else but understanding ourselves and the laws of universe through the tools of science and technology.” The speaker for this webinar was Mr. Ramnik Bansal, an alumnus of IIT Bombay & IIM Bangalore and is currently Senior Faculty at the Art of Living Initiative.



The Seminar has helped the students to focus more on mental health stability in this fast pace tech world. Nothing over mental stability will give satisfaction for pure health the students learned how technology and spirituality could be resonated. Technology evolution has reached a point where science and business have to directly deal with Spirituality, this was the main highlight which everyone grasped about. Participants gained knowledge about benefits of spirituality – Strong immune system, improved support system, Strong mental ability.



13TH
MARCH 2021

Quad Torc Concept is an off road design challenge for engineering and Diploma undertaking students. Quad is a four wheeled bike, an ATV (All-Terrain Vehicle) . The contest involves designing a Quad bike following some quoted rules and regulations.

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ABOUT:

Team Technocrats along with Team Kratos participated with full enthusiasm at the Quad-Torc Concept 2021 which is a national level quadbike designing competition. The team received great appreciation from the technical inspectors and judges. Team Technocrats represented Thakur college of engineering and technology and secured 1st place all over the nation



The achievements of Team Technocrats are:

- 1) Overall Champions (AIR 1)
- 2) Secured First place in Design Report
- 3) Secured First place in Business Report
- 4) Best Tech Savvy Person- Balaji Murthy

The achievements of Team Kratos are:

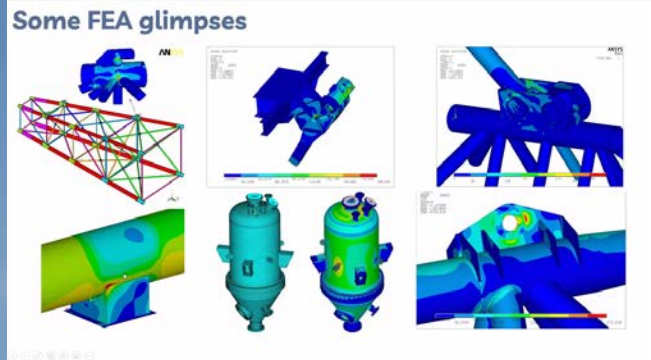
- 1) Overall Rank 3 (AIR 3)
- 2) Best Female Participant- Anushka Moharir



03RD

APRIL 2021

ASME- TCET hosted an alumni interaction on 3rd April 2021. Our alumni inspire us to have a clear conscience, and the importance of being authentic. We had three alumni with us; Mr. Saurabh Vaidya, Mr. Kritarth Chaturvedi and Mr. Vishal Gupta. Mr. Saurabh Vaidya is a Mechanical engineering graduate from the batch of 2018, TCET. He is a full time research engineer at McNair Aerospace Research Centre, Director at Nexusware Infotech and chief strategist for parkadda which will be live soon. Mr. Kritharth Chaturvedi is a Mechanical engineering graduate from the batch of 2018, TCET.



He is currently working at Aker solutions as a Mechanical Engineer for Rotary equipment and Package machinery for onshore/offshore projects in the Oil and Gas Industry. Mr. Vishal Gupta is a Mechanical engineering graduate from the batch of 2018, TCET. Currently, He is a full time Static Equipment Engineer at Aker solutions. He designs pressure equipment for the Oil & Gas industry

