



ASME MBCET REPORT



2019-20

The **American Society of Mechanical Engineers (ASME)** is an American professional association that, in its own words, "promotes the art, science, and practice of multidisciplinary engineering and allied sciences around the globe" via continuing education, training and professional development, codes and standards, research, conferences and publications, government relations, and other forms of outreach.

The **ASME MBCET Student's Chapter** was formed in the month of March, 2017 by the students of Mechanical Engineering Department with the objective of organizing events that focus on Mechanical Engineering.

The chapter currently headed by Student Section Advisor, Mr. Ranjith H, Assistant Professor, Dept. of Mechanical Engineering and Ajay Ebey George from S6 Mechanical as Chairman, has over 100 student members.

Several programs have been organized over these years. The Chapter continues to grow and expand its roots. The chapter is expected to reach heights in the future and looks forward to let its members comes out with flying colors.

EXECOM MEMBERS

Student Section Advisor: Mr. Ranjith H

Chairman: Ajay Ebey George

Vice–Chairman: Jibin Joy

Secretary: Rohit Radhakrishnan

Technical Head: Vaisakh V

Co-Technical Heads: Abhishek M Padmakumar, Arjun M

Organizing Committee Head: Arva S Swami

Treasurer: Pratyush Moni S J

PROGRAMME #1

AUTONEXT AUTOMOBILE WORKSHOP

It was a proud moment for ASME MBCET chapter to host a 2-day workshop in coordination with AUTONEXT.

We had Mr. V N Pathak, (Head Trainer) and Mr. Santhosh Reddy (Technical Manager), who engaged with our students and imparted them with sound instructions and practical knowledge. They have armored our students for the industry's requirements and created a thirst for applied sciences.

The students actively took part in the practical session, keenly understanding the mechanisms of differentials, acceleration, clutch pad and suspensions.

We had around 90 participants from NIT Calicut, TKM, RCET and MBCET for the workshop.

"It was an amazing experience", said Vaisakh, second year student from the mechanical department.

I take this opportunity to thank my colleagues and students, who helped in making this venture a success. We wish to conduct more of such workshops in the coming years.



PROGRAMME #2

ASME EFX MBCET



ASME EFX MBCET 2019 was a one-day national tech fest that was held in Mar Baselios College of Engineering and Technology under the banner of American Society of Mechanical Engineers on October 12, 2019. The event witnessed a footfall of around 350 students and faculty.



The inauguration was held in the presence of our Hon' Bursar Fr. John Vilayil, Principal T.M. George and our keynote speaker Mr. Sujith Kumar, Head of Propulsion Research Lab at TERLS, ISRO and Mr. Prakhar Deep, ASME Representative.

The occasion was followed by a one-hour session by Mr. Sujith Kumar on Propulsion Systems and Current Space Projects at ISRO.

An ASME Awareness Session was conducted by Mr. Prakhar Deep to serve the purpose of making students more aware about ASME (working, sectors, operations, benefits of being an ASME Student section and Student member etc.),



ASME E-Fests (competitions, workshops, other programs, how to participate, benefits of participation, etc.), how to remain engaged with ASME. The purpose of this session was to expose young student engineers to Leadership traits and virtues through interaction with the leaders from professional practice.

A talk on entrepreneurship was hosted by our alumni Mr. Gokul V Nath, Founder and CEO of Demustango Technology Pvt Ltd. The talk mainly focused on how a



student while doing his under graduation could start his/her own venture without compromising their studies. The talk was followed by a Q&A session in which various queries of the participants were discussed.

The afternoon session was guided by a presentation by Mr. Ashwin Remesh, Project Manager - Complete Vehicle, Volvo Group Truck Technology, Volvo about the Automobile Industry and the future of work. He enlightened our students on how to equip themselves for the future.

An interactive workshop was conducted by an official from Indian Machine Tool Manufacturer's Association, IMTMA on the topic Industrial Robotics.

Team building activities like Out of the Box Challenge was carried out in which the students were grouped into teams of 5 and problem statement related to current engineering scenario were given to them. The competition consisted of two rounds i.e. Prelims and Finals. The prelims included conceptual idea thinking where as in the final round they had to find design solutions to common engineering problems faced today.

Student satisfaction was ranked 8 on 10 and all students appreciated the hospitality of MBCET unanimously.

The Dept. H.O.D, Faculty in Charge and volunteers were all appreciated for their hardwork. A special membership drive was conducted by ASME for the young aspirants.



Programme Schedule

9:30am : Prayer

9:32am : Welcome Address

Dr. Rajesh T.N.

Head of the Department, Mechanical Engg,
MBCET

9:37am : Presidential Address

Dr. T.M. George

Principal, MBCET

9:47am : Lighting the Lamp

9:50am : Inaugural Address

Mr. Sujith Kumar R

Head of Propulsion Research Lab,
TERLS, ISRO

9:55am : Felicitation

Mr. Prakhar Deep

Engineer-Programs & Philanthropy
ASME India Pvt. Ltd.

10:00am : Presentation of Memento

Fr. John Vilayil

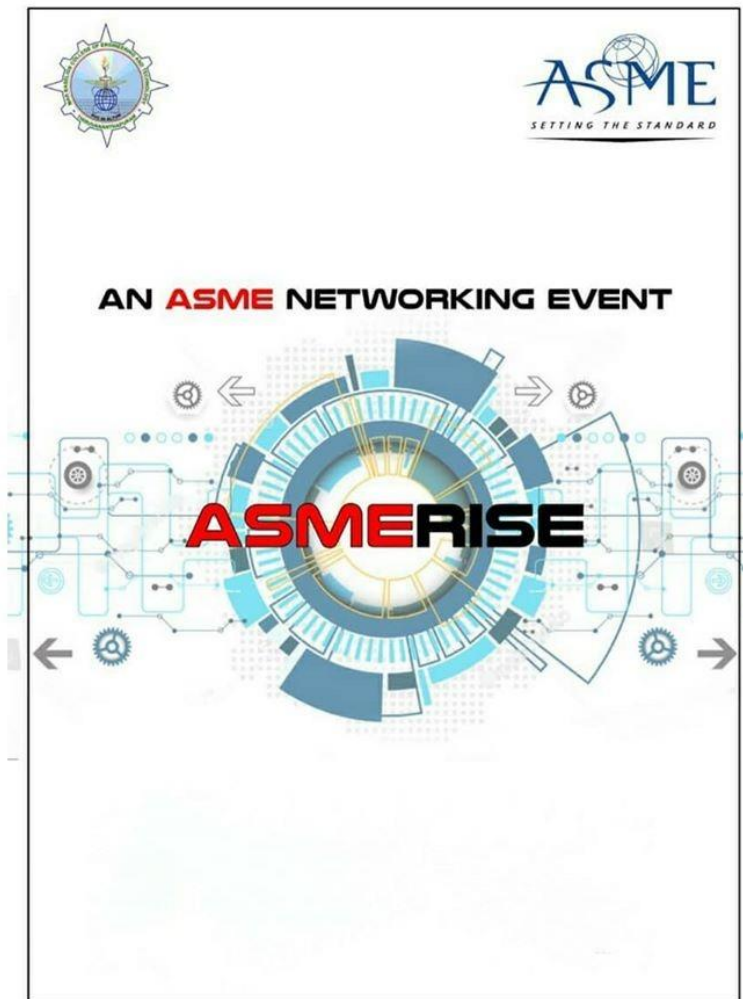
Bursar, MBCET



MBCET Trivandrum

PROGRAMME #3

ASMERISE



ASMERISE was a one-day networking event conducted exclusively for the first-year students of MBCET on the 15th of February 2020. The event witnessed the participation of over 60 students from all branches.

The event comprised of two interactive sessions and several games. The morning session started with an interactive talk by Aaditya (office bearers of ASME), where he shared his experience of being in ASME, highlighting the benefits of being an ASME member. He also talked about the various events organized by ASME at the college. He motivated the students to take up challenges. He spoke about why it is so important to take up new challenges and try our different things in college, than just academics. He spoke about how ASME inculcated a lot of qualities in him like leadership, self-confidence and the zeal to reach new heights. It was a wonderful interactive session, where students spoke about their queries regarding college life and ASME.



The talk was followed by group activities for which the students were divided into 9 groups. Two games were played simultaneously. One was a memory game which tested their mental abilities. In this a series of pictures were shown on the screen and each group had to guess it and pen or down in the correct order. And the other was a group activity which tested their team work and communication skills. It was a fun activity where group members had to guide one another to succeed in their respective tasks. A lot of importance was given to the group activities, because it led to development of team spirit, cohesive behavior, and setting up goals for the team. The atmosphere was quite fun because students took part in these activities



with a lot of enthusiasm and determination. It focused on building their communication skills and also raising their morale.

The afternoon session started off with a talk session by Mr. SANJU, an alumnus of MBCET. His talk included his college and personal life experiences and the different ways to achieve success. He also stressed

about the importance of maintaining good interpersonal relationships among juniors and seniors. As he set his own personal experience in college, many students had an idea of what all they could achieve as well. He spoke about every aspect that a fresher face in the college and how to fight our insecurities and participate in various activities in college.

The last event conducted was a product-marketing event where the respective groups had to market two products given to them. This game tested the spontaneity and creative minds of the students. The students came up with brilliant strategies and creative ideas on how to sell those products. It was an interactive session with the judges where they expressed themselves in exuberant ways. After each game the teams where was awarded separate points and winners were announced based on their aggregate scores. All in all, the team spirit and confidence of the students was on a high. Cash prizes were given to teams as follows: First prize: Rs 1000 Second prize: Rs 500

The programme ended with a soothing performance of the band "Thaandav".





CERTIFICATE OF PARTICIPATION

This is hereby presented to

ABHIMANYU SATYARTHI

for participating in ASMERISE - Networking Event organized by
ASME MBCET Chapter on 15th February 2020

DR. RAJESH T N
HOD , MECHANICAL DEPT

MR. RANJITH H
SSA , ASME MBCET CHAPTER

PROGRAMME # 4

EVO Design

EVO Design - A Product Development Workshop was conducted on 29th February - 01st March, 2020 as a fund raiser for OFFROADS 2020, an auto fest hosted by Mechanical Dept. The two-day event witnessed the participation of over 100 students. The workshop included hands on training on various procedures involved in product development such as Model Development and Analysis using CAD Software, Fabrication using 3D Printing and Assembly of the printed parts.



The first day was solely dedicated for Introduction to the CAD Software and Model Creation. Model analysis, Fabrication and Assembly were performed on the second day. This two-day workshop provided the students with practical experience of Product Development.