

2023-24

ANNUAL REPORT

ASME TKMCE

ASME STUDENTS CHAPTER

TKM COLLEGE OF ENGINEERING

Karikode, Kollam, Kerala, India



TKMCE STUDENT SECTION

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ASME TKMCE EXECOM 2023-24



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REPRESENTATIVE



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1. TALK SESSION

Topic: Scope and challenges of metallic biomaterial for implant and Prostheses

Date: 1st February 2024

Venue: APJ Hall, TKMCE

Speaker: K.G.V SIVAKUMAR

Metallurgist, Dept. of Medical Devices Eng Biomedical Wing, Sree Chithra Tirunal Institute for Medical Sciences And Technology.

ASME TKMCE organized a compelling talk session exploring the "Scope and Challenges of Metallic Biomaterial for Implants and Prostheses," drawing a diverse audience of engaged students. Experts delved into the intricate world of biomedical engineering, discussing emerging trends, technological advancements, and the ethical considerations surrounding the development and application of metallic biomaterials. Attendees gained valuable insights into this critical field, sparking thought-provoking discussions and fostering a deeper appreciation for the intersection of engineering and healthcare.



2.STUDENT ORIENTATION PROGRAMME

Date: 16 September 2023

Venue: TKMCE Auditorium

The ASME student orientation program served as a gateway for aspiring mechanical engineers, providing invaluable networking opportunities, industry insights, and guidance for academic and professional success. Through interactive sessions and mentorship, participants gained a deeper understanding of mechanical engineering principles and cultivated the skills necessary to excel in their studies and future careers, enriching their journey within the field of engineering.



3.CAREER EFEST

Date: 23rd September 2023

Venue: Online mode

ASME TKMCE is proud to announce that our students have actively participated in the ASME Career E-Fest, held in an online mode this year. The E-Fest, organized by the American Society of Mechanical Engineers (ASME), is a prestigious event designed to bring together engineering students and early-career engineers from around the world. The festival includes a variety of competitions, professional development workshops, career fairs, networking opportunities, and keynote presentations from industry leaders.

The sessions for this year's E-Fest were scheduled in the evening, allowing our students to engage in a range of activities without conflicting with their academic commitments. Our college's enthusiastic participation and high level of engagement were recognized, resulting in TKM College of Engineering being awarded a **\$500** cash prize for having the highest number of attendees among all participating institutions.

This achievement reflects the dedication and commitment of our students to their professional development and their eagerness to leverage opportunities for learning and growth. The ASME Career E-Fest provided a valuable platform for our students to enhance their technical skills, gain insights into industry trends, and network with peers and professionals from around the globe.

4.ONE-DAY INDUSTRIAL SKILL DEVELOPMENT PROGRAM

Date: 6th November 2023

Venue: Centre of Excellence in Manufacturing, NIT Trichy

The one-day skill development program, organized by ASME TKMCE, was conducted at NIT Trichy, drawing enthusiastic participation from students of TKMCE. Through hands-on workshops and interactive sessions, attendees honed their technical competencies, fostering a culture of innovation and excellence. The collaboration between institutions facilitated knowledge exchange, empowering students to thrive in the dynamic landscape of engineering and technology.



5. APPLICATION FOR EFX

Submitted an application for conducting ASME EFX in TKM College 2024-25.

TKM
COLLEGE OF ENGINEERING
Karicode, Kollam, Kerala

Saturday, 23rd November 2024



08:00 am – 10:00 am	Registration & Breakfast <Main Block>			
10:00 am - 11:30 am	Welcome, Announcements & Keynote <Main Auditorium, Main Block>			
11:30 am – 01:00 pm	Technical talk session <APJ seminar hall>	ASME Event (HPVC/SDC/ Technical Digital Poster Competition) < PTA Seminar hall >		Prototype building from scrap- competition <ARCH Seminar hall>
01:00 pm – 02:00 pm	Networking & Lunch <College Canteen> Take a break and enjoy lunch with your peers. Compare notes about the morning sessions and strategize over the afternoon competitions and activities.			
02:00 pm – 04:30 pm	Interactive Talk session <APJ seminar hall>	Bridge building <EEE Seminar hall>	Antweight Robowar <Mech Square>	Prototype building from scrap-competition < ARCH Seminar hall >
04:30 pm – 05:30 pm	Closing Ceremony, Awards Presentation <Main Auditorium, Main Block> Congratulate the organizers and winners for a job well done.			
05:30 pm – 06:00 pm	Networking Reception and Cultural event <APJ Park> A time to relax to some beautiful music and enjoy the evening with your friends and to make new connections with other ASME members.			

6. ROBOWAR

Date: 3rd May 2024

Venue: Mechanical Block bridge

ROBOWAR, was conducted in collaboration with *C-rob*. Participants were to appear in the 24kg category. The total number of participants in the 24kg category was 8.



7. TESLA'S 369

Date: May 4, 2024

Venue: Room 200, Civil block, TKMCE

Tesla's 369, the exhibition conducted by ASME TKMCE aimed to educate the young engineers about the electromagnetism, high frequency currents and their applications. The exhibition was under Shri. Sabu VS. It also included basics of robotics. The exhibition was a great success with more than 1000 attendees.



8.TESLA COIL BUILDING WORKSHOP

Date :5 May,2024

Venue: Room 201, Civil Block, TKMCE

Voltverse, miniature tesla coil building workshop was conducted as part of the Hestia. The program was conducted under the mentorship and guidance of Shri. Sabu V.S., who was the first to develop an autonomous robot in India.

The workshop attracted more than 16 groups, including students from other colleges too. The program was held from 9AM-4PM.

9. ASME DISTINGUISHED STUDENT SECTION AWARD

With immense pleasure we announce that TKMCE ASME Student Section has been entitled with the recognition of **ASME Distinguished Student Section Award**.



10. STAR CHAIR AWARD

ASME TKMCE is proud to share that our ex-chairperson Sarath S.S. has secured the ASME Student Section Recognition Program's **Star Chair Award**.





THANK YOU