



MECHANICAL ENGINEERING ASSOCIATION REPORT

2023 – 2024

EVENT : 1	INAUGURAL FUNCTION OF MECHANICAL ENGINEERING ASSOCIATION
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Date: 27.06.2023

Venue: Conference Hall, CITSPC

Chief Guest: Mr. K. KARTHIK, Assistant professor, Coimbatore Institute of Technology

Topic: “SHAPING THE FUTURE: Industrial Readiness and Career Guidance Unleashed”

Participants: II and III Year DME (33+33)

Mr. **K. Karthik**, Assistant professor of Mechanical engineering department, Coimbatore Institute of Technology was the chief guest of Inaugural function of Mechanical Engineering Association. During his chief address, he brief about the skills to be developed by the students in Design stream, Manufacturing stream and Thermal stream. He mentioned about three qualities to be developed by the students such as **knowledge, skills and attitude**. He also provided the information about how to be well prepared for getting placed in premium industries like Ashok Leyland, Nissan, Honda etc.,

During the programme, Students had an interactive Q & A session with the chief guest. Students also sought clarification on specific fields such as job opportunities in premier industries, skill training needed other than academic records etc., these interactions can further enrich our student’s educational experiences and foster a culture of continuous learning.



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EVENT : 2

COMPETITION FOR DME STUDENTS

Date: 11.08.2023

Venue: CAD lab CIT Campus & Drawing hall 1 CITSPC

Topic: 3D CAD MODELLING Competition FOR III YEAR DME

QUIZ Competition FOR II YEAR DME

Participants: II and III Year DME (32+14)

Mechanical engineering Association have conducted competitions for DME students, which took place on 11.08.2023 at 11:00 am to 01:00 pm. The competitions were organized with the aim of promoting talent, and providing a platform for students to showcase their skills and creativity.

The competition was divided into two categories :

1. **CREATIVE CAD MODELLING COMPETITION**
2. **QUIZ COMPETITON**

CREATIVE CAD MODELLING COMPETITION

In this competition 14 students of III year DME have participated and it was held at CAD lab of CIT campus. The theme of the competition was DEVELOPING A SOLID MODELLING of a “CALCULATOR AND AN INK PEN”. The duration of two hours were given and the event was well-organized and executed smoothly Tmt. Susila. B, Assistant staff adviser and Mr. Venkatesh, CAD centre, In-charge was the judge of the competition.



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The winners are:

Position secured	Name of the winners	Roll No. & Year
I	SUJIN JUDE RONALD .D	LM2211, III YEAR
II	NAVEEN KUMAR .R	LM2209, III YEAR
III	JANAA S	M2110, III YEAR

QUIZ COMPETITION: (Appitude, Reasoning, Mathematics, etc...).

About 32 students of II year DME have participated in this competition conducted in the Drawing Hall 1 at CITSPC campus. The duration of two hours were given and it was successfully conducted.

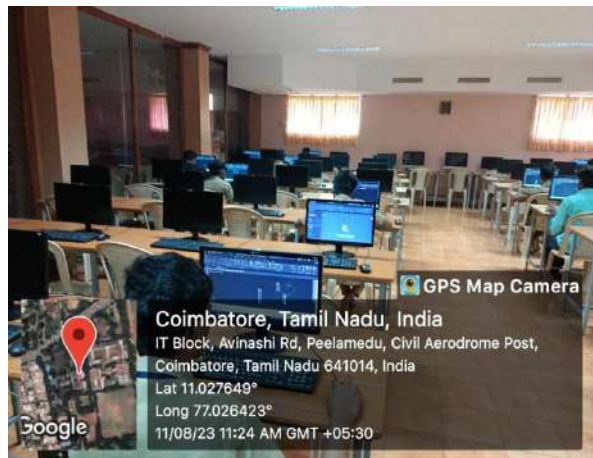
The winners are :

Position secured	Name of the winners	Roll No. & Year
I	SRIVISHNU .S.K	M2223, II YEAR
II	PRADEEP SIVA .P	LM2307, II YEAR
III	SASI PRAKASH .T	M2221, II YEAR

Winners in each category were awarded with certificates of achievement, and received valuable prizes. This event was organized to motivate students to strive for excellence in their studies and co-curricular activities.



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EVENT : 3

TECHNICAL SEMINAR

Date: 25.08.2023

Venue: Conference Hall CITSPC

Resource person: Mr. Celestine P, Robotics Engineer, CADD Technologies School of Design Pvt. Ltd, Coimbatore.

Topic: TECHNICAL SEMINAR ON “CURRENT TRENDS IN FUSION 360”

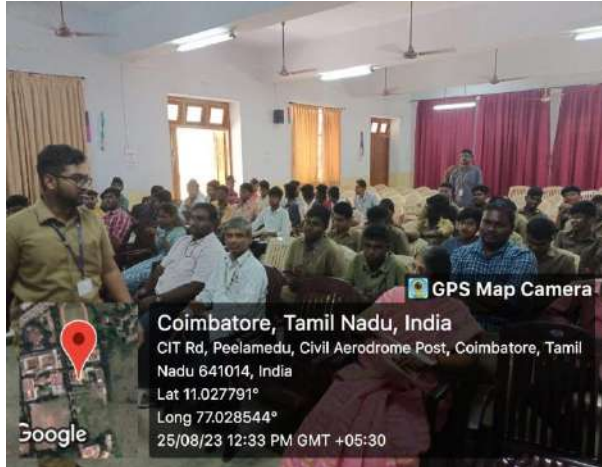
Participants: II and III Year DME (32+33)

Mr. Celestine gave the introduction about CAD, CAM & CAE and also elaborated the scope of design engineers and advantages in design based jobs. He took us to the tour of online demo of FUSION 360 software. In that software, he briefly demonstrated such as workspace, tools, generative design, total solution software and its applications. The seminar was very interesting and an eye opener of the students to get the awareness of the complete package of CAE software.

During the programme, Students had an interactive Q & A session with the resource person. The students sought for clarification about the type of the companies in which they can get placements by learning these kinds of software and the startup opportunities in this area. The event was conducted smoothly and successfully.



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EVENT : 4	INFORMATIVE SEMINAR ON “CAREER OPPORTUNITIES AFTER DIPLOMA”
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Date: 01.09.2023

Venue: Smart room CITSPC

Resource person: Mr. Kausik Agastyaraj, M.Tech, Sr. Faculty member, Mechanical Engineer, ACE Engineering Academy, Hyderabad.

Topic: Informative Seminar on “Career Opportunities after Diploma”

Participants: II and III Year DME (32+33)

Our Mechanical Engineering Association 2023-2024, organized “Career Opportunities after Diploma”, a informative seminar presented on 1st September 2023 by Mr.Kausik Agastyaraj who has more than 15 years of coaching experience of training more than 7000 students. He had qualified for GATE 4 times.

The seminar was of vital importance to our students as it had information on short skill courses after diploma, RRB–JE, SSC-JE, GATE, UG exams and PG exams as well as AIME which the students can use to channel their career with more knowledge and skill, making them high value on job market. There was a feedback session at the end of the seminar and also doubts regarding competitive exams and career opportunities were cleared during the same.



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EVENT : 5	INDUSTRIAL VISIT
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Date: 07.10.2023

Venue: Mettur Thermal Power Station - I

Participants: II and III Year DME (32+33)

Industrial Visit has been arranged by Mechanical Department to visit the Mettur Thermal Power Station (MTPS). The students of II-year mechanical students and III-year mechanical students had participated along with the faculties. There are totally 52 number of students from both II-year and III-year mechanical students and 4 Faculties were participated. The total strength was divided into two batches with two faculties. The first batch (29 Students) are allowed in the forenoon and the second batch (23 Students) is allowed in the afternoon.

While the students entered the MPTPS staffs provided a safety equipment's and an ID card for students and faculties. Then they start to explain the working of the thermal plant with the aid of the miniature in the plant. Then MTPS Supervisor explained from starting to end of the process done in the Thermal Plant. Then went to the control room of the MTPS.

There they explained about the controlling of the plant from the coal importing, storing, processing and the water circuit. They explain about the electricity generation by the turbine. We had a chance to visit the cooling tower, turbine, condenser and the chimney. After the visit completed by the first batch students then second batch is allowed with safety equipment's and an ID card. After completing the visit in the thermal power plant, we had gone to the Mettur dam and the park.

The Visit was very useful to the student both II-year and III-year mechanical students. Especially very useful to the III-year mechanical students, because they had a



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theory content about the thermal plant in Thermal Engineering II subject. So that the students are easy to understand the working of the thermal power plant and various other circuits in the thermal power plant. And also, they have understood the coal processing, water processing, and the process of exhausting the burnt gases.





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EVENT : 6

GROUP DISCUSSION

Date: 15.02.2024

Venue: Class room LH 20, CITSPC

Topic: Impacts of Modern Inventions – Good or Bad for our society?

Participants: III Year DME

In this group discussion session, the students are split up into two groups. The Organiser instructed about the rules to be followed in the session. One group said about the good things of the inventions and the others opposed & said about their bad this to our society. It is coordinated by Aswin Sukumaran M & Mitilesh N.A. The Head of the Department Mr P Jayaprakash place the role of the judge along with Mr G Mounesh Lecturer/Mech.

Then session starts from good side, they started their discussion about electric tooth brush, said by Sachin. Then they start to oppose and said the disadvantages of these. The session went on very well because all of them very actively participated by putting forth their point of view in a very clear manner.

The main points debated by the participants are:

- Automation advantages & disadvantages.
- Hybrid vehicles advantages & disadvantages.
- Electric vehicle advantages & disadvantages.
- Inventions in renewable energies.
- Invention in defence.
- Disposal of Medi – waste & E – waste.



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Overall, the Group Discussion said a moral about the inventions are in good way, but the humans handling the inventions is in bad way. So, we need avoid this condition for future.



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EVENT : 7

VALEDICTORY FUNCTION

Date: 15.03.2024

Venue: Conference hall, CITSPC

Resource person: Dr. Uma, Yoga therapist & level 5 certified yoga trainer.

Topic: Health and Fitness for young engineers.

Participants: II and III Year DME

In this valedictory function chief guest Dr. R. Uma, yoga therapist & level 5 certified yoga trainer had participated and she gives a detailed speech about our health and lifestyle. She explaining more about our physical body health and mental health by changing the food habits and lifestyle. Also, she taught about the yoga asanas and pranayama asanas.

She said the benefits of each asana and explain how to do the asana in the proper way. Along with the pranayama to improve and attaining our high potential to reach a good breathing and improving our lungs strength.

Then she starts the asana session, the students of both II-year DME & III-year DME are willingly doing the yoga asanas and pranayama. Finally, the session was ended with laughing asana.

The main asanas taught by Dr. R. Uma are,

- Trikonasana
- Dhanurasana
- Baddha konasana
- Vajrasana
- Bhujangasana
- Padmasana
- Halasana
- Sukasana



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Overall, she gives a knowledge about yoga asanas and pranayama to improve our health. And also, she taught a simple asana to do regularly to improve our health.