

DYNAMECH Club Activity on “3D Modelling”

DYNAMECH Club Activity on ‘3D Modelling’ was successfully conducted by the Department of Mechanical Engineering in association with ISTE, IIEC and IQAC – MVJCE, on 23rd February 2024 from 11.00 am to 1.00 pm. This DYNAMECH Club Activity was carried to influence upon students, the importance of 3D modelling, for their career and future design development. 46 students participated in this event from ME, AE and AS department. **Mr. Bharath P**, Scientist - C, Centre Machine Tools & Aggregates (C-SMPM), CMTI is invited as a chief guest for this event.

CLUB ACTIVITY THEME:

Convert 3D model diagram in the CAMD software into 2D Drawing.

Problem Statement:

Learning to transition between 3D isometric and orthographic views is important for engineering students for several reasons. The following significant reasons are understanding the spatial relationship, technical drawing, Design communication, manufacturing, construction, problem solving and software proficiency. Overall, mastering the transition between 3D isometric and orthographic views is fundamental for engineering students as it enhances their spatial visualization skills, improves their technical drawing abilities, facilitates effective communication, and prepares them for real-world engineering challenges.

Requirements:

Solid Edge software

A3 Sheet for manual drawing

Front, Top and Side View of the Design

Mention scale of dimensions

Uniqueness and neatness of the design

Highlight of the Event:

Dr. Shrinivas L Gombi, Dean Academics, delivered the speech about the importance of club activity in front of the participants. He also mentioned the significant of industries and design for the engineers especially in core branches of mechanical and aeronautical departments.

Dr. Santhosh N, Professor and Head, Department of Mechanical Engineering, introduced the chief guest and delivered the speech about the club activity in front of the students and given the rules and regulations about the club activity. Then session was handover to the chief guest Mr. Bharath P, and he delivered the importance of tool design and special manufacturing process in smart materials, recent developments in mechanical engineering and highlighted the importance of design in various sectors like automotive and aerospace industries and fabricates the micro machined products in different manufacturing process. After event was started by the students.



Dr. Shrinivas L Gombi, Dean Academics has delivered speech in front of the students.



Mr. Bharath P, Scientist – C, CMTI has delivered speech about the importance of design



Overall, 46 students participated in this event.



Students interacted actively during this event.

Overall, the Club activity was very well coordinated, with the main impetus on Design, and the students were actively engaged in the 3D design modelling. The Club activity came to an end, with concluding remarks from Mr. Bharath P, on how to go forward with the 3D design and software knowledge. He encouraged the participants to participate actively in all future events. Finally, the event coordinator Dr. C. Chanakyan, AP/Mech, delivered the vote of Thanks.

Outcome of the Club Activity

1. The students were encouraged to carry out knowledge of developing the 3D modelling
2. They experienced and understood the concepts of understanding the technical drawing
3. They were prompted to recognize the need for design in manufacturing and software proficiency



**Amardeep Jayeshbhai Zanzrukiya
(1ST Prize)**



**Sohith Seenu S G
(Runner Up)**

Photographs of the Winner and Runner up of the Event

Summary of the DYNAMECH Club Activity on 3D Modelling

Date of the Event	23 rd February, 2024
Time of the Event	11. am to 1.00 pm
No. of. Participants	46 Students
Venue	CAMD Lab (Room No. 43)
Title of the Event	DYNAMECH Club Activity on '3D Modelling'
Theme of the Event	Convert 3D model diagram in the CAMD software into 2D Drawing.
Winner and Runner up	Winner: Amardeep Zanzrukiya (1MJ22AS001)- Aerospace Runner Up: Sohit Seenu (1MJ22ME010) - Mechanical
Organized by	DYNAMECH Student Club, Department of Mechanical Engineering, MVJCE, in association with ISTE, IIC and IQAC – MVJCE