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DYNAMECH Department Club Activity on "PRODUCT DESIGN" (24TH JANUARY 2024)

DYNAMECH Club Activity on "PRODUCT DESIGN"

DYNAMECH Club Activity on 'PRODUCT DESIGN' was successfully conducted by the Department of Mechanical Engineering in association with ISTE, IIC and IQAC – MVJCE, on 24th January, 2024. This DYNAMECH Club Activity was designed to impress upon students, the importance of design and modelling, for their career and future product development. Nearly, 41 participants attended in this event. **Prakash Vinod,** Joint Director, Centre for Smart Manufacturing Precision Machine Tools & Aggregates (C-SMPM), CMTI is invited as a chief guest for this event.

CLUB ACTIVITY THEME:

Design of a Modular Mobile Frame System for Enhanced Device Functionality and Ergonomics

Problem Statement:

In the rapidly evolving landscape of mobile technology, there is a growing demand for innovative and adaptable solutions that cater to the diverse needs of users. The conventional design of mobile devices often limits customization options and fails to address issues related to ergonomics, durability, and functional expansion. As users increasingly rely on their mobile devices for various tasks, a need arises for a versatile mobile frame system that can accommodate evolving technology, enhance user experience, and provide a platform for personalization.

Requirements:

Front, Top and Side View of the Product

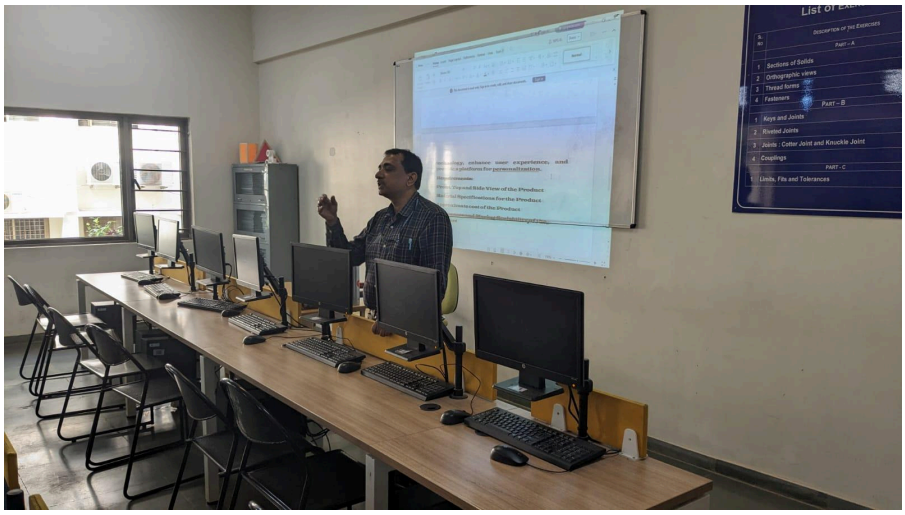
Material Specifications for the Product

Approximate cost of the Product

Uniqueness and Market Scalability of the Product

Highlights of the Event

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 Prakash Vinod and he delivered the importance of smart materials, recent developments in mechanical engineering and highlighted the importance of design and product development in various sectors like automotive and aerospace industries and fabricates the micro components in different manufacturing industries. The event was started by the students.



The chief guest Prakash Vinod, Joint Director CMTI has delivered speech in front of the students

Students were interacted actively during the event

The chief guest Prakash Vinod, Joint Director CMTI evaluated the students design and finalize the prize winners

Overall, the Club activity was very well coordinated, with the main impetus on Industrial focus, and the students were actively engaged in the product design development.

The Club activity came to an end, with concluding remarks from Prof. Krishna Prasad, on how to go forward with the design and development. 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.

	
Aryan Engineer (1MJ22ME001)	**Prithvi raj** (1MJ22ME404)

Photographs of the Winner and Runner up of the Event

Outcome of the Club Activity

1. The students were encouraged to carry out design on product development

2. They experienced and understood the concepts of future design and features of the product.

3. They were prompted to recognize the need for design

Summary of the DYNAMECH Club Activity on Product Design

Date of the Event	24th January, 2024
Title of the Event	DYNAMECH Club Activity on 'PRODUCT DESIGN'
Theme of the Event	Design of a Modular Mobile Frame System for Enhanced Device Functionality and Ergonomics
Winner and Runner up	**Winner: Aryan Engineer** (1MJ22ME001) **Runner Up: Prithvi raj** (1MJ22ME404)
Organized by	**DYNAMECH Student Club, Department of Mechanical Engineering, MVJCE, in association with ISTE, IIC and IQAC – MVJCE**

Venue	CAMD Lab