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DYNAMECH Department Club Activity on **“DESIGN-EX”** **(10 NOVEMBER 2021)**

DYNAMECH Department Club Activity on **‘DESIGN-EX’**

DYNAMECH Department Club Activity on ‘DESIGN-EX’ was successfully conducted, in association with ISTE, IIC and IQAC – MVJCE, on 10th November, 2021, from 10.00 am to 04.00 pm. This DYNAMECH Club Activity was designed to impress upon students, the importance of engineering design for Mechanical Engineers. Overall, 39 Students participated in the initial qualifying round, and out of these, 12 students qualified for the final round.

The invitation card features the MVJ College of Engineering logo at the top, followed by accreditation details. The main text is in a mix of bold and italicized fonts, announcing the 'DESIGN-EX' club activity. It lists the organizing department (DYNAMMECH CLUB) and the presiding principal, Dr. P. Mahabaleswarappa. At the bottom, it provides contact information for the Registrar and Vice Principal, and a table with event details.

MVJ COLLEGE OF ENGINEERING
Since 1982
Engineering A Better Tomorrow
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Cordially Invites You to the

Club Activity
“DESIGN-EX”

Organized by
DYNAMECH CLUB
Department of Mechanical Engineering
In association with ISTE, IIC and IQAC

Presided by
Dr. P. Mahabaleswarappa
Principal,
MVJCE, Bangalore

Prof. Vaman B. Gudi
Registrar & COE
MVJCE, Bangalore

Dr. M. Brindha
Vice Principal
MVJCE, Bangalore

| Venue | Date | Time |
|------------------------|------------|----------|
| CAED LAB, ROOM NO. 024 | 10-11-2021 | 10:00 AM |

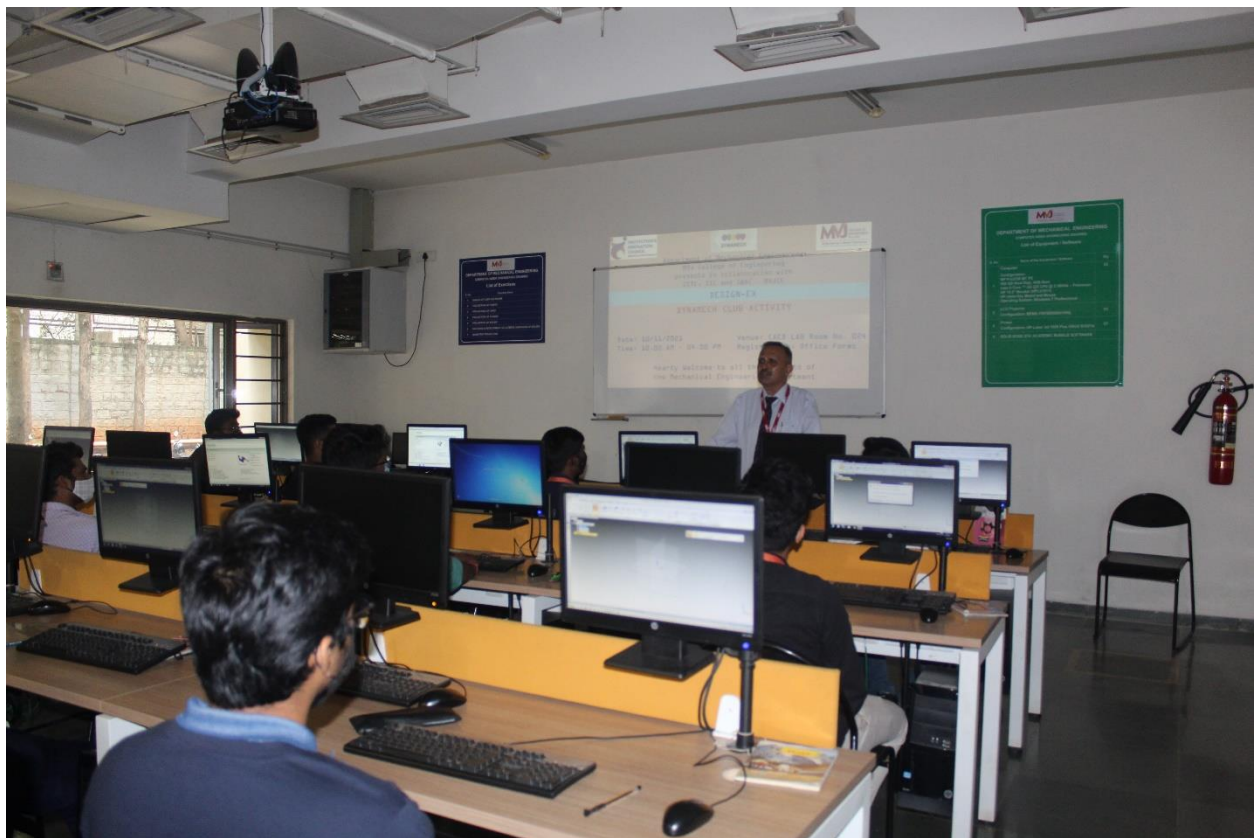
MVJ College of Engineering
Near ITPB, Whitefield, Bangalore - 560 067
T: +91-80-4299-1000 W: www.mvjce.edu.in

Invitation of the Event

Dr. Rajesh Kumar P from the Mechanical Engineering department, highlighted the importance of design for Mechanical Engineers, especially for shaping their careers in a fruitful way. He invited Principal Dr. P Mahabaleswarappa to address the gathering. The Principal impressed upon the students how the event was of importance to them, and shared some success stories to motivate the students to upskill themselves, so that they can enjoy a rewarding career.

The competition started with Dr. Santhosh N, Associate Professor, Department of Mechanical Engineering, giving an overview of the rules and regulations to be followed for the event. The Club activity, DESIGN-EX, comprised of two major stages. In the first stage, flagged off by the Principal at 10.30 am, the participants were asked to do the design calculations for an industrial component and model it using the Solid Edge Software in the CAED Lab, Room No. 24. 39 students participated in the forenoon event which went on from 10.30 am to 01.00 pm, and 12 of them qualified for the final round. The selection was based on the accuracy of calculations, presentation and modelling.

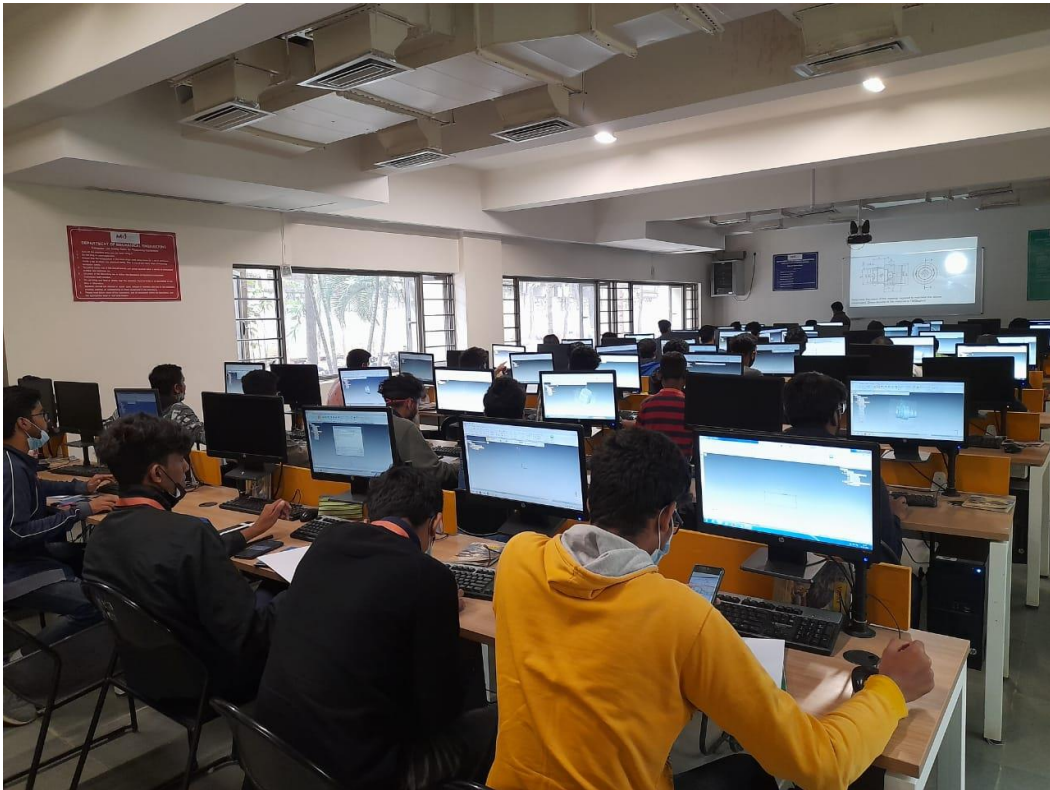
The second stage started at 01.40 pm with the briefing of the rules and regulations for the final round, by the event coordinator. The participants were given a pump casing to design and model in the Solid Edge 3D software in the CAED Lab. The time given for the design and modelling was 90 minutes and the participants were evaluated by the panel of judges comprising of teaching faculty Dr. Sunil Shankar Waddar, Dr. Shankar G, Dr. Rajesh Kumar P, Dr. Santhosh N from the department, and Harish R, Lab Instructor, and in charge of CAED Lab. The criteria for judging were design, presentation and time. This was followed by a feedback session, where a student Thilak Krishna from 5th semester A-section shared his valuable suggestions for future events.



Inauguration and Motivational Speech by Principal Dr. P Mahabaleswarappa



Students actively involved in Designing and Modelling the industrial component



Students working on Modelling in the Solid Edge Software



Students keenly involved in modelling the Pump Casing in the final round



Group Photo of the Finalists, along with the Panel of Judges

Overall, the Club activity was very well coordinated, and students actively participated in the event. The Club activity concluded with a motivational talk by Dr. Rajesh Kumar P, and a group photo.



Photographs of the Winner and Runner up of the Event

Outcome of the Club Activity

1. The students were encouraged to design Industrial Components.
2. They experienced and understood the concepts of Engineering Design and Modelling.
3. They were prompted to recognize the need for design calculations for Mechanical Engineers.

Summary of the DYNAMECH Student Club Activity

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|-------------------------------------|---|
| Date of the Event | 10 th November, 2021 |
| Title of the Event | DYNAMECH Department Club Activity on 'DESIGN-EX' |
| Number of Stages in the Competition | 02 Stages <ol style="list-style-type: none">1st Stage: Qualifier Round – Hand Calculations and Design of Industrial Component.2nd Stage: Final Round – Design and Modelling of Pump Casing. |
| Winner and Runner up | Winner Thilak Krishna K (1MJ19ME069) Runner Up V Kamalesh Kumar (1MJ19ME072) |
| Organized by | DYNAMECH Student Club, Department of Mechanical Engineering, MVJCE, in association with ISTE, IIC and IQAC – MVJCE |
| Link | Offline |
| Venue/Platform | CAED Lab, Room No. 024. |