

Guest Lecture on Industrial Design and Analysis

23.02.2024, 1.30 PM to 4.00 PM

Report: Guest Lecture on Industrial Design and Analysis on 23.02.2024

The Department of Mechanical Engineering, organized **Guest Lecture on Industrial Design and Analysis**, on 23.02.2024, at Seminar Hall 5, from 1:30 PM to 4.00 PM. The resource speaker **Mr. Bharath P, CMTI Product Manufacturing and Development group, Govt of India**. The guest lecture was organized by Mechanical Engineering Department in collaboration with Aeronautical and Aerospace Department. Overall 67 third semester students were present during the event.

The program was inaugurated by **Dr. Shrinivas L Gombi**, Dean Academics MVJCE, Dr. Santhosh N, HOD Mechanical Engineering Department, MVJCE and the staff members were present during the inauguration.



Dr. Shrinivas L Gombi, (right side) Dean Academics, MVJCE, Mr Bharath P Guest Speaker (on the chair), at the inaugural session of the guest lecture.

The inauguration was followed with welcome speech by Dr. Shrinivas L Gombi, Dean Academics MVJCE addressing the requirement of such programs to nurture the students to bridge the gap between the industry and academia.



Mr Bharath P, delivering the lecture to the audience during the session.

The lecture by Mr. Bharath P, the importance of use of advanced machine tools and their relevance in the modern-day Manufacturing Technology. The lecture covers briefly about DFM (Design For Manufacturing) and explained the difficulties and impossibilities of conventional machine tools and how the use of modern day advanced machine tools will overcome those difficulties. The speaker also brought few sample models that had been manufactured using the advanced machine tools having an accuracy of around 1 micron usually finds their applications in the aircraft divisions. The lecture also included with technical power point presentation and few demonstrative videos on the manufacturing operations in the fabrication division at CMTI.



Third semester Students of Mechanical Engineering, Aeronautical Engineering and Aerospace Engineering listening keenly to the guest lecture by Bharath P

The seminar created an opportunity for students to understand the importance of advanced machine tools in the modern-day manufacturing process. Some of the machines tools like 3-D printing machine, 5 axis drilling machine etc.

Outcomes of the Event:

By attending the seminar, the Mechanical Engineering students of second and third year understood how to

- Ascertain measuring and testing procedure as per manual of machine tools.
- Check for functionality of part and ascertain faults of the part.
- Check accuracy/ correctness of job using appropriate gauge and measuring instruments.