



# BMS

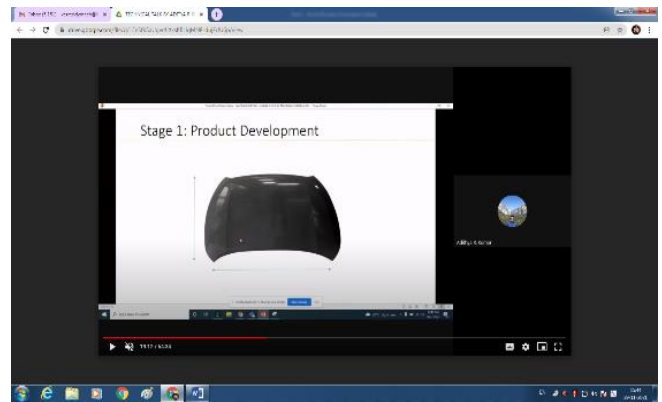
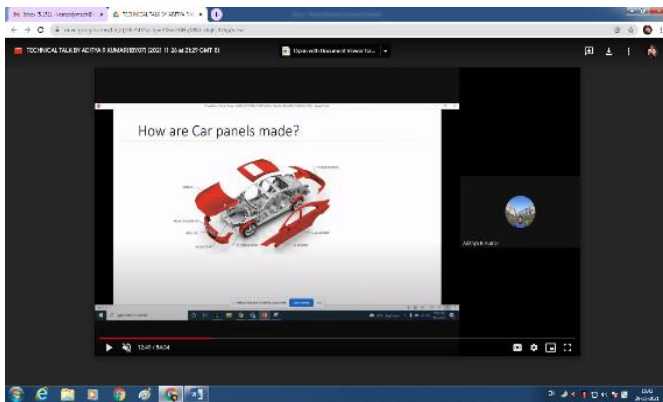
## INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru – 560064

DEPARTMENT OF MECHANICAL ENGINEERING

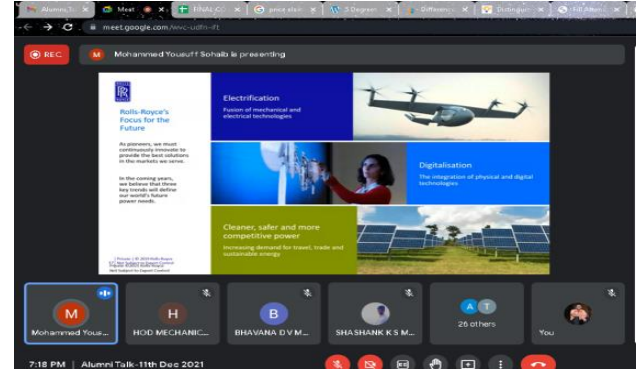
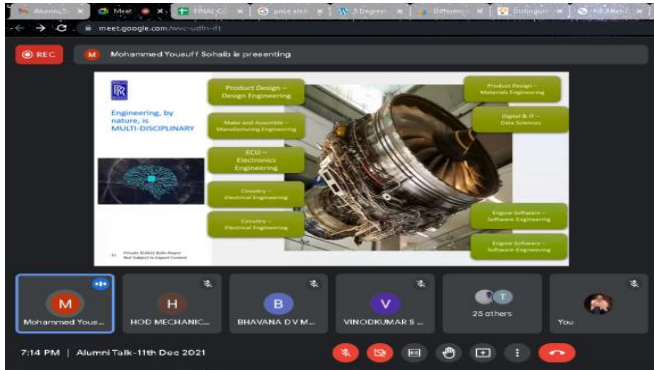
### Alumni activities conducted for the academic year 2021-22

1. Mr. Aditya R Kumar(1BY07), Senior Design/FEA Engineer, Magna International, Detroit, Michigan, 27th November 2021, gave Technical talk on “Application of Design and Finite Element Analysis in Manufacturing Car Panels”. He discussed about the method of manufacturing car panel. Explained about the process of Stamping, bending, and checking surface quality. He also explained about the various stages of product development, establishing GD & T, manufacturing feasibility and tool development. He described the application of FEA at the stage of product development. He discussed about the importance of FEA in manufacturing, mainly focusses on obtaining optimized design through FEA to avoid scoring and splits using Auto form software. Also briefed about by using FEA how can we reduce reworking and saving of money etc.



2. Mr. Mohammed Yousuf Sohaib(1BY12) ,Manufacturing Engineer (Assembly & Test) Rolls-Royce, Derby, United Kingdom ,on 11th December 2021, gave Technical talk on “The Holistic Engineer of Tomorrow”. He discussed about the Principles of gas turbine technology and parts of aircraft engine Trent XWB. He also explained about the three key trends which will define our world’s future power needs. Also explained about electrification, Digitalization and cleaner, safer and more competitive power. And briefed about the approach in developing as engineer.

He discussed about the dunning and Kruger effect to know about where you stand as engineer. Also briefed about structure of technology organization with the three verticals like Design, Manufacturing and MRO & services.



3. Mr. Nithesh Kattathar(1BY07), Solutions Engineer, IPG Automotive GmbH, Karlsruhe, Baden-Württemberg, Germany conducted workshop for one day on “Next Generation Vehicle Simulation” during open course titled Designing Lithium-Ion Battery for Electric Vehicles and Varied Applications during 13 - 17th June 2022. He discussed about the introduction to vehicle simulation using IPG CarMaker, autonomous driving. He explained the use of simulation tools ex. matlab and carmaker in academics, briefed about high performance cloud computation for vehicle and ECU validation in headless mode. Further guided on career about education and job possibilities in Germany for mechanical engineers.

