Transforming Teaching & Learning | Mechanical Engineering @ KCT

Learning engineering is no longer confined to understanding concepts in the classroom. It is about applying knowledge, integrating digital tools and solving real-world engineering challenges.

Our recent teaching and learning initiatives at the Department of Mechanical Engineering, Kumaraguru College of Technology, reflect this approach:

🔷 **Data Analytics with Power BI:** Transforming engineering data into actionable insights through interactive dashboards.

🔷 **Common Assignments:** Connecting mechanical engineering fundamentals with CAD modelling, simulation and failure analysis.

🔷 **Software-Integrated Learning:** Bringing Kinematics of Machinery to life through SolidWorks Motion and mechanism simulation.

What makes this journey meaningful is the students' own learning experiences and their ability to demonstrate what they have learned.

From Theory to Application. From Application to Innovation.

#KCT #MechanicalEngineering #TeachingAndLearning #ExperientialLearning #PowerBI #EngineeringEducation #DigitalEngineering #OutcomeBasedEducation

Data Analysis – PowerBi – Dashboard

https://lnkd.in/p/gwp2VSTb
https://lnkd.in/p/dMMsQupT
https://lnkd.in/p/gB7steDN
https://lnkd.in/p/dQQ3y8v5
https://lnkd.in/p/gC4Em9xy
https://lnkd.in/p/gkUDEM6J
https://lnkd.in/p/gPtyc5MX
https://lnkd.in/p/gs32h9SP
https://lnkd.in/p/ghwfbmRq
https://lnkd.in/p/gv5yrSFE
https://lnkd.in/p/g7-NmuUu

Common Assignment:

https://lnkd.in/p/gcA_Gm5P
https://lnkd.in/p/gk5wKcEZ
https://lnkd.in/p/gDGiKRuS

Software Integration with Subject – Kinematics of Machinery

https://lnkd.in/p/gfa-RENq

Hack-a-bit

https://lnkd.in/p/gvn47inz
https://lnkd.in/p/gdFUNm8N