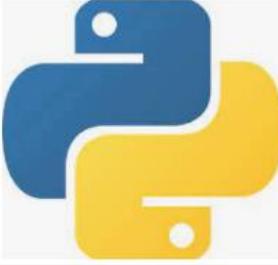
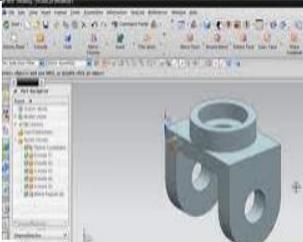
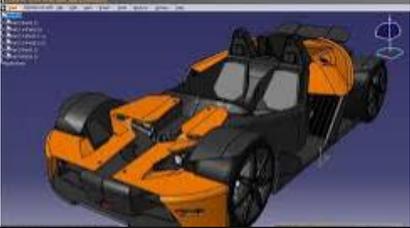
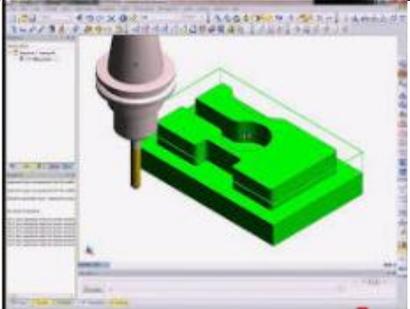
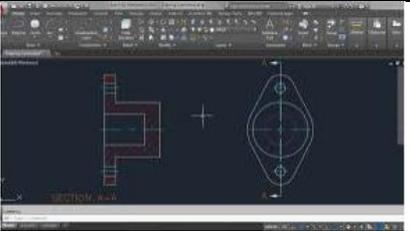
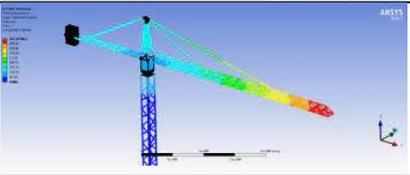
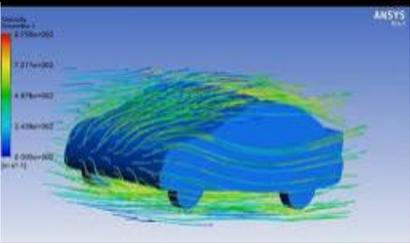
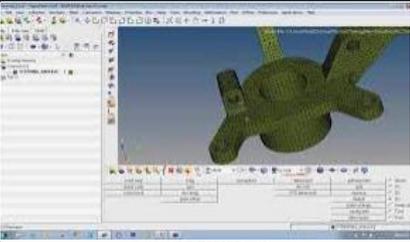


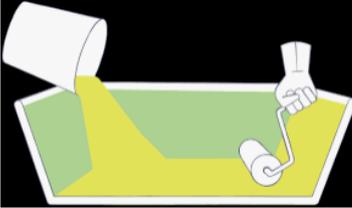
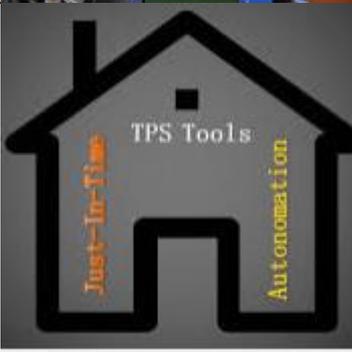
Dr Mahalingam College of Engineering and Technology, Pollachi
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One Credit Course and Value-Added Course List

One Credit Course name	
1.Hybrid courses (Mech+ Another domain)	
Data Science for Mechanical Engineers	 A 3D visualization of a data network with glowing blue and yellow nodes and connecting lines, representing data science or machine learning.
Python Programming for Mechanical Engineers	 The official Python logo, consisting of two interlocking snakes, one blue and one yellow.
Artificial Intelligence Techniques	 A futuristic robot head with a glowing blue visor and a network of nodes and lines in the background, symbolizing artificial intelligence.
Lithium-Ion Battery Technology for Electric Cars	 A sleek, futuristic electric car with a glowing blue body and wheels, representing battery technology for electric vehicles.
Introduction to NDT & IIoT	 A collage of images including a robotic arm, a globe, and various data icons, representing Industry 4.0, IIoT, and Non-Destructive Testing (NDT).
2.CAD/CAM/CAE Courses	
Solid Modelling using NX CAD	 A screenshot of the NX CAD software interface showing a 3D model of a complex mechanical part with multiple holes and a curved surface.

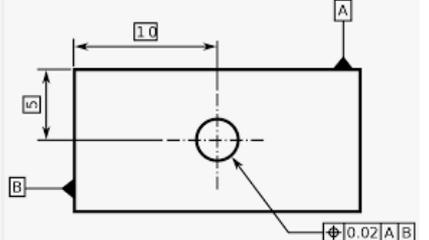
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One Credit Course and Value-Added Course List

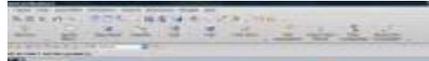
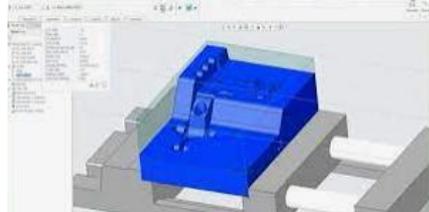
Solid Modelling using CATIA-V6	
CNC Turning Part Programme using EDGE CAM	
2D – Drafting Using AutoCAD	
Engineering Analysis using Ansys-workbench	
Flow Analysis Using Ansys Fluent	
Basic Finite Element Pre-processing using Hypermesh	
PLM In Product Development Using TEAMCENTER	

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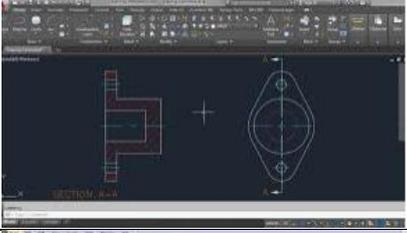
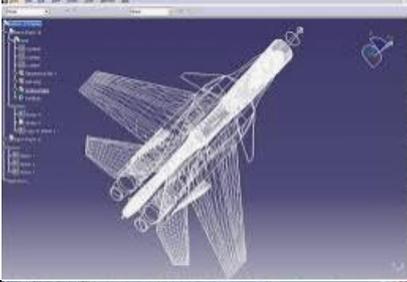
Applications of MATLAB	 The image shows the MATLAB logo, which consists of a stylized 'M' with a red-to-yellow gradient, and a blue brain icon with gears inside, symbolizing computation and cognitive processes.
3. Specialized Domain Courses	
Composite material preparation & characterization	 A diagram illustrating the preparation of composite materials. It shows a white container pouring a yellow liquid into a green mold. A hand is shown using a tool to mix or apply the material.
Industrial Pneumatics	 A photograph of an industrial pneumatic system. It features various components like cylinders, valves, and hoses connected to a machine, likely used for automated manufacturing processes.
Validation of Mechanical Components	 A photograph showing several people in a laboratory or workshop setting. They are gathered around a large piece of machinery, possibly a testing machine, and appear to be conducting an experiment or validation process.
Industrial Automation System	 A photograph of an industrial robotic arm, specifically a KUKA model, in a factory setting. The arm is orange and is positioned over a workbench, ready for automated tasks.
Toyota Production System	 A logo for the Toyota Production System (TPS). It features a stylized house shape with the text 'TPS Tools' at the top. The left side of the house is labeled 'Just-In-Time' and the right side is labeled 'Automation'.

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 One Credit Course and Value-Added Course List

<p>Geometric Dimensioning, Tolerancing and Surface Texture</p>	
<p>Fluid Power Technology</p>	
<p>Fundamentals of Automotive Component Manufacturing</p>	

Value Added Course name	
<p>NX 11.0 CAD Essentials</p>	
<p>NX 11.0 CAD Advanced</p>	
<p>PLM in Product Development Using Teamcenter 10.1.5</p>	
<p>Fundamental 3D Design Using Creo Parametric 6.0</p>	

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<p>2D Drafting using AutoCAD</p>	
<p>CATIA V5 and V6 Basics</p>	
<p>Finite Element Modelling Using HyperMesh 17.0</p>	