


## **Computer Aided Designing and Computer Aided Manufacturing Laboratory**


CAD-CAM laboratory provides a space where real application of computer to Mechanical Engineering can be realized. CAD introduces computer to design a component and CAM explains how computer can be best utilized to automate manufacturing system.



In the lab, students explore and learn to use software for designing a component.

This lab provides a good hand on experience for the students to compete challenges of recent trends as Mechanical Engineer. The software facilities available in the laboratory

- AutoCAD software
- Ansys Software 2019 R1.
- Creo 2.0 software
- Mat lab R 2018b Software
- CNC lathe and CNC milling.

S.No	Name of major equipments	Photo/Image
1.	Machining of simple components on NC lathe by transferring NC Code / from CAM software	 A photograph showing two white and blue numerical control (NC) lathes in a workshop. The machine in the foreground is a smaller, compact model with a control panel on top. The second machine is larger and positioned behind it, resting on a wooden pallet. The workshop has blue curtains and a wall-mounted fan in the background.

S.No	Name of major equipments	Photo/Image
2.	Machining of simple components on Mill by transferring NC Code / from CAMsoftware	

S.No	Name of major equipments	Photo/Image
3.	ANSYS Software	 The ANSYS logo features the word "ANSYS" in a bold, sans-serif font. The letters "AN" are white, and "SYS" are yellow, all set against a black rectangular background.
4.	Creo-2.0	 The PTC Creo logo consists of a blue circular icon with three interlocking loops to the left of the text "PTC" in a blue sans-serif font. Below "PTC" is the word "creo" in a large, bold, black sans-serif font, with a trademark symbol (TM) to its upper right.