

Lab Facilities

CAD/CAM Lab



- ▶ The lab is equipped with PC'S and Workstation with high end configuration.
- ▶ Various software are installed as per the curriculum:
 - SolidWorks.
 - ANSYS.
 - COMSOL.
 - WITNESS.

Mechanism and Vibrations Lab



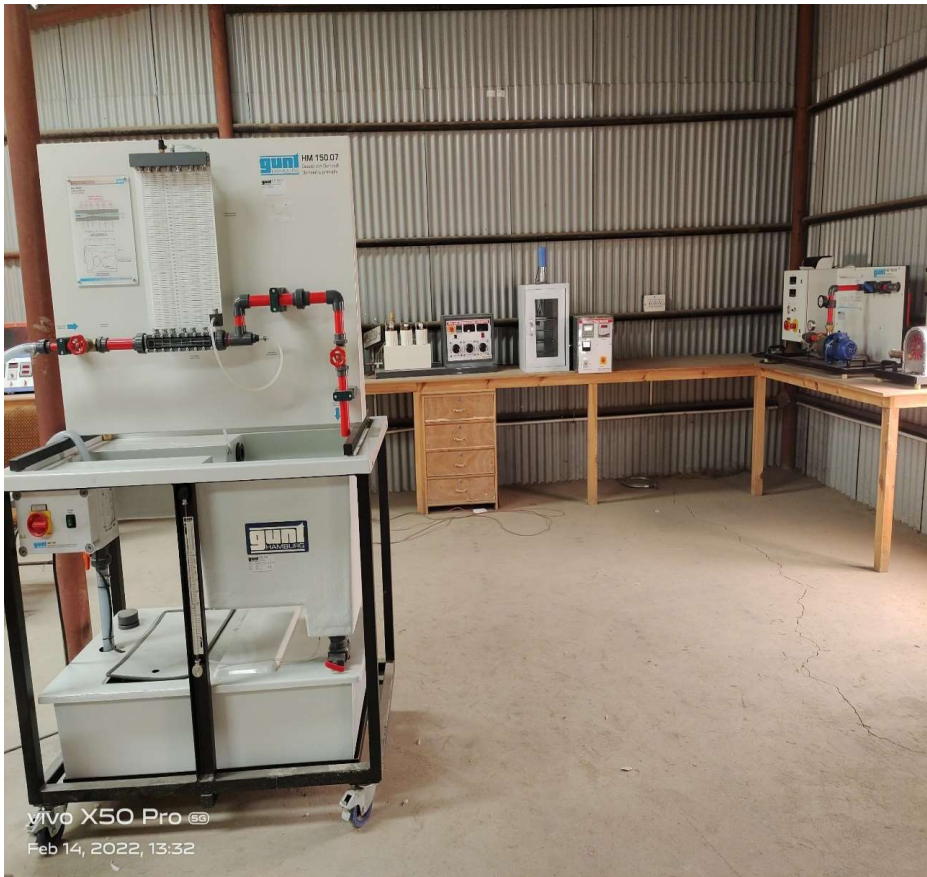
- ▶ The lab is equipped with various necessary equipment like:
 - Mechanism Models.
 - CAM and Follower Models.
 - Clutch and Brake Models.
 - Drive Models, Universal Governor Apparatus.
 - Motorised Gyroscope.
 - Coriolis Component of Acceleration.
 - Whirling of shaft apparatus.
 - Static and dynamic balancing apparatus.
 - Vibration measurement.
 - Cam Mechanism, Coriolis Force.
 - Universal Vibration Apparatus TM 150.

Applied Thermodynamics Lab



- ▶ The lab is equipped with various necessary equipment like:
 - Digital Bomb Calorimeter.
 - Boiler Models.
 - Two stage reciprocating Air compressor Test Rig.
 - Gas Turbine or Turbine Engine (Sectional Model).
 - Wankel Engine (Sectional Model).
 - Steam Power Plant with all Accessories.
 - Separating and throttling calorimeter.

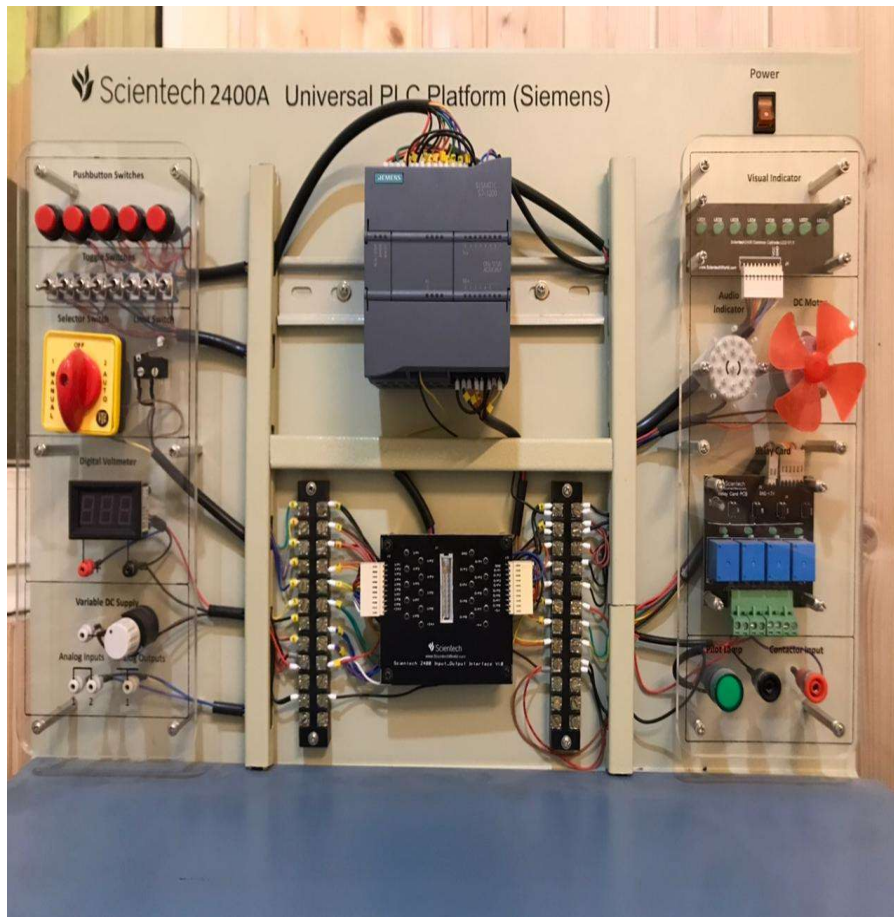
Heat Mass Transfer And Fluid Mechanics Lab



- ▶ The lab is equipped with various necessary equipment like:
 - Composite wall apparatus.
 - Critical radius of insulating material.
 - Natural convection from vertical cylinder.
 - Pin fin apparatus.
 - Emissivity measurement apparatus.
 - Concentric Tube Heat exchanger.
 - Shell and tube heat Exchanger (Water to water).



Mechatronics Lab



- ▶ Various equipment are present in this lab like
 - Universal PLC Platform.
 - Oscilloscope.



