

**DEPARTMENT OF
MECHANICAL ENGINEERING
LABORATORIES**



DEPARTMENTAL LABORATORIES

SL. NO.	ROOM NO.	NAME OF THE LAB
1	EW 101	<ul style="list-style-type: none">• Fluid Machines lab• Advanced Thermal Engg. Lab
2	EW 103	<ul style="list-style-type: none">• Welding Shop• Smithy Shop
3	EW 105	Production Processes Lab - I Production Processes Lab - II
4	EW 106	<ul style="list-style-type: none">• Machine Shop• Production Processes Lab – I
5	EW 108	<ul style="list-style-type: none">• Applied Thermodynamics Lab• IC Engines and Gas Turbines Lab
6	EW 201	<ul style="list-style-type: none">• Fluid Mechanics Lab



DEPARTMENTAL LABORATORIES contd...

SL. NO.	ROOM NO.	NAME OF THE LAB
7	EW 202	<ul style="list-style-type: none">Heat and Mass Transfer LabRefrigeration and Air Conditioning LabAdvanced Thermal Engineering Lab
8	EW 204	<ul style="list-style-type: none">Modeling, Simulation and Analysis LabComputer Aided Design LabAdvanced Design Lab
9	EW 205	<ul style="list-style-type: none">Dynamics of Machines LabMechanical Vibration Lab
10	EW 206	<ul style="list-style-type: none">Automobile Engineering LabMechanical Measurement and Instrumentation Lab
11	EW 207	<ul style="list-style-type: none">Computation Fluid Dynamics LabFinite Element Methods and Analysis Lab

GAUTAM BUDDHA UNIVERSITY

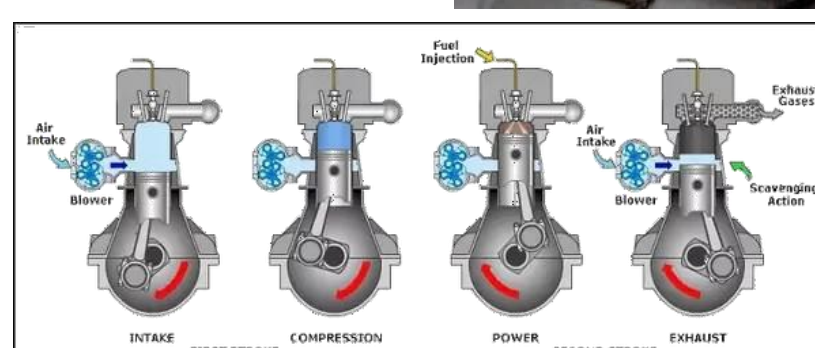
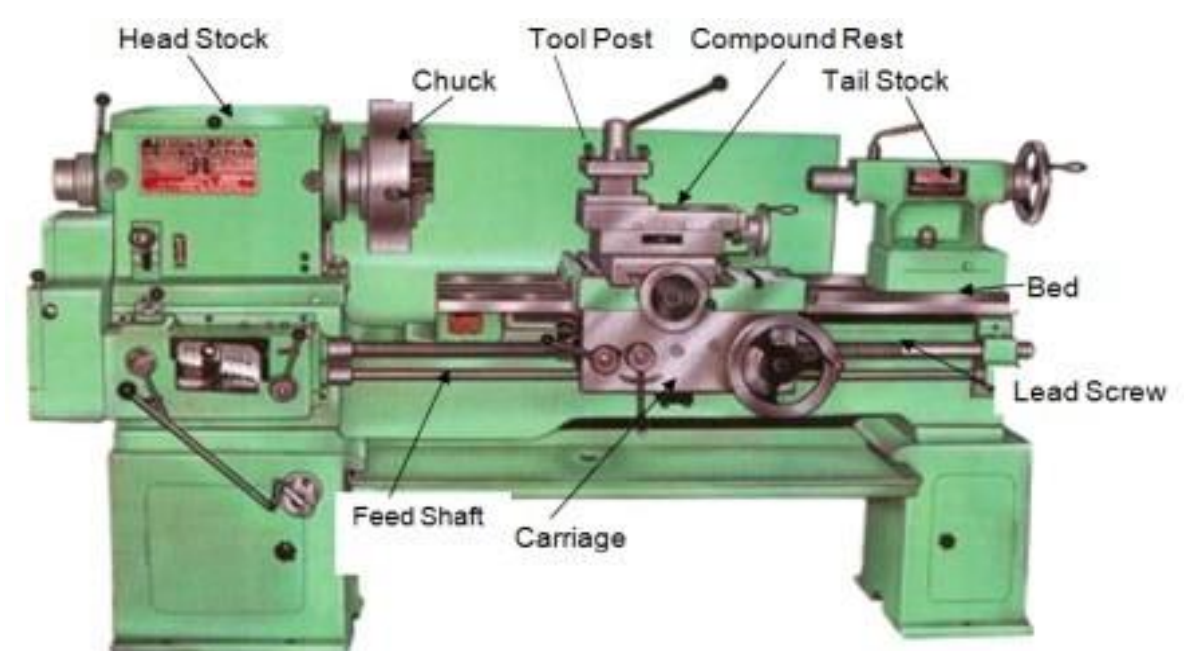
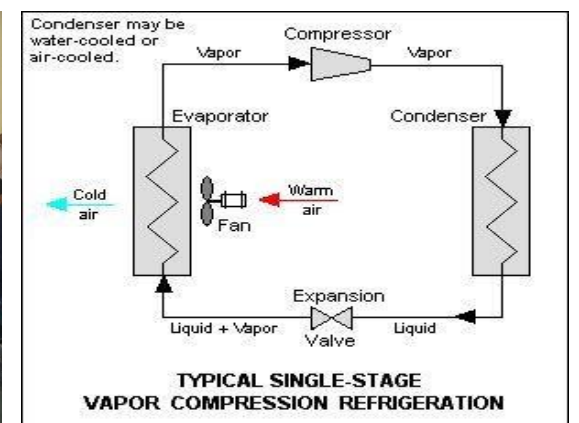
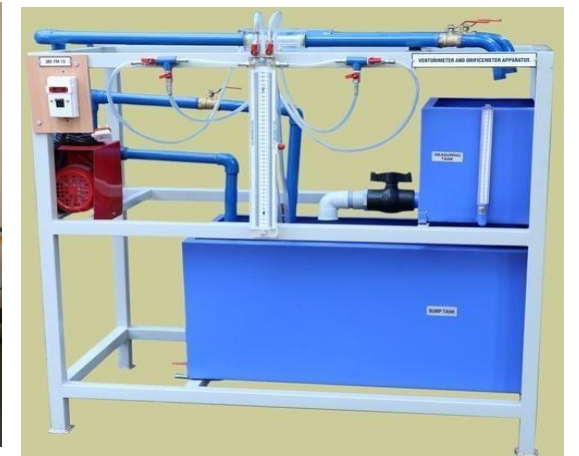
(School of Engineering)

Department of Mechanical Engineering



LAB AT A GLANCE

ROOM	LABS NAME
EW101	FLUID MACHINES LAB
EW103	WELDING SHOP & SMITHY SHOP LAB
EW105	PRODUCTION PROCESSES LAB
EW106	MACHINE SHOP LAB
EW108	APPLIED THERMODYNAMIC LAB
EW201	FLUID MECHANICS LAB
EW202	HEAT & MASS TRANSFER LAB / REFRIGERATION & AIR CONDITIONING LAB
EW204	SIMULATION, MODELLING & ANALYSIS LAB
EW205	DYNAMIC OF MACHINE LAB
EW206	AUTOMOBILE LAB ENGG. MEASUREMENT AND INSTRUMENTATION LAB
EW207	COMPUTATIONAL FLUID DYNAMICS LAB





MED LABS

Thermal Engineering

REFRIGERATION & AIR-CONDITIONING LAB

APPLIED THERMODYNAMICS



HEAT & MASS TRANSFER LAB



MED LABS

Manufacturing Engineering

WELDING SHOP



MANUFACTURING TECHNOLOGY LAB



SMITHY SHOP





MED LABS

Fluid Flow Engineering



FLUID MECHANICS



FLUID MACHINES



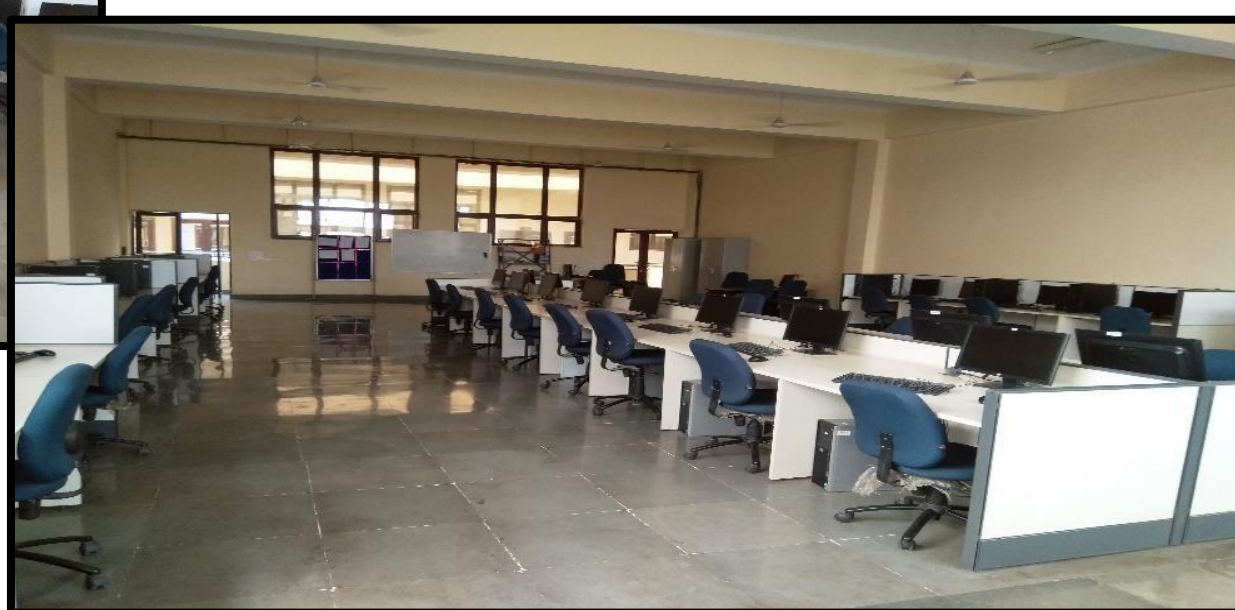


MED LABS



COMPUTATIONAL FLUID DYNAMICS LAB

*SIMULATION AND MODELLING
ANALYSIS LAB*





MED LABS

DEVELOPED BY STUDENTS



PIN FIN APPARATUS

- *Dr. H. C. Thakur (Guided By)*
- *Mr. Rajul Garg, PhD Scholar (Prepared By)*



VACUUM FURNACE

- *Dr. Satpal Sharma*



MED LABS

WIND TUNNEL



HEAT EXCHANGER

