

TOM DOM Lab



Area of Laboratory : 90 sq. m

Faculty In-charge : Mr. M B Phatangare (Assistant Professor)

Lab/Technical Asst: Mr A G Jirgale

Equipment/Hardware: Test Rig for Determination of Torque Capacity of Dynamometer, Test rig for study of Epicyclic Gear train & to measure transmitted & holding Torque, Wear and Friction Monitoring Setup along with data acquisition system, Motorised Gyroscope, Whirling of Shaft apparatus

Practicals Conducted: Kinematics of Machinery, Theory of Machines, Dynamics of Machinery

Utilization of Laboratory: Second, Third and Final Year

Thermal Engineering I and Measurement Lab



Area of Laboratory : 89 sq. m

Thermal Engineering

Faculty In-charge : Mr R S Verma (Associate Professor)

Lab/Technical Asst: Mr A G Jirgale

Equipment/Hardware: Mini-ice plant tutor, Air conditioning cycle test rig, Refrigeration cycle test rig

Practicals Conducted: Thermodynamics, Heating Ventilation Air-Conditioning and Refrigeration, Energy Engineering.

Utilization of Laboratory: Second, and Final Year

Measurement Laboratory

Laboratory In-charge: Mr M B Phatangare (Assistant Professor)

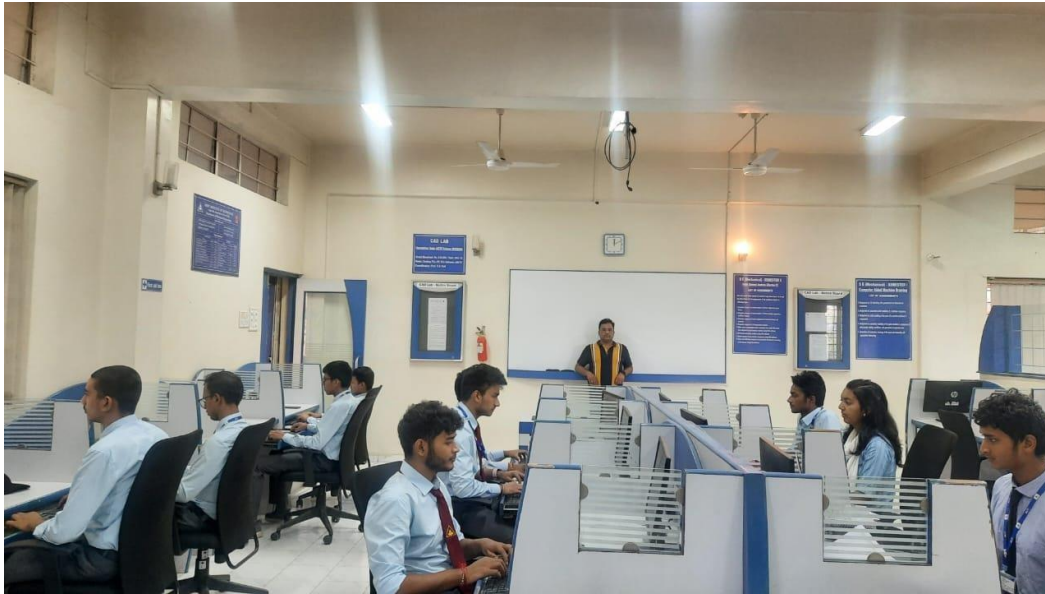
Lab /Technical Asst: Mr S H Karande

Equipment (MQC): Tool Maker microscope, Profile Projector, gear rolling tester.

Practical Conducted: Measurement Laboratory, Geometric Dimensioning and Tolerancing Lab.

Utilization of Laboratory: Second and Third Year

CAD I & II Lab



Area of Laboratory : 142 sq. m

Faculty In-charge : Mr. A A Ramgude (Assistant Professor)

Lab/Technical Asst: Mr S B Shikare

Equipment (Computers): HP Z220 CMT (i5), HP Pro 3330MT(I5),HP 406 G1 MT Business PC(I7),HP EliteDesk 800G3 TWR(I7), HP 280 G6 MT(I7).

Software: Ansys Rel 14.5, CADIAN Mech site License, Auto cad, Pro/Engineer U Plus, Mastercam X5, MSC University Bundle, Anaconda Navigator (Python)

Practical Conducted: Engineering Graphics, Solid Modelling and Drafting, Computer Added Engineering, Geometric Dimensioning and Tolerancing Lab.

Utilization of Laboratory: First, Second and Third Year

Metallurgy and Strength of Materials Lab



Area of Laboratory : 72 sq. m

Metallurgy Lab

Faculty In-charge : Mr V R Kulkarni (Associate Professor and Wksp Suptd)

Lab/Technical Asst: Mr S H Karande

Equipment/Hardware: Rockwell Cum Brinell Hardness Tester, Universal Testing Machine, Pendulum Impact tester, Torsion testing Apparatus

Practical Conducted: Engineering Materials and Metallurgy, Project Based Learning - II

Utilization of Laboratory: Second Year

Strength of Materials Lab

Faculty In-charge: Mr R S Verma (Associate Professor)

Lab/Technical Asst: Mr N V Barathe

Equipment/Hardware: Torsion testing Apparatus, Measurement of Flexural formula Apparatus, Flexural simply supported beam setup, Universal Testing Machine.

Practical Conducted: Solid Mechanics

Utilization of Laboratory: Second Year

Workshop Machine Shop



Area of Laboratory: 480 sq. m

Faculty In-charge: Mr V R Kulkarni (Associate Professor and Wksp Suptd)

Instructor: Mr B D Sonawane and Mr M T Sankpal

Equipment/Hardware: Lathe Machine, Power Press, Shaping Machine, Radial Drilling Machine, Milling Machine

Practical Conducted: Machine Shop I, Machine Shop II and Machine Shop III.

Utilization of Laboratory: First, Second and Third Year

Workshop Ancillary Shop



Area of Laboratory : 300 sq. m

Faculty In-charge : Mr V R Kulkarni (Mr V R Kulkarni (Associate Professor and Wksp Suptd)

Instructor: Mr B D Sonawane and Mr M T Sankpal

Equipment/Hardware: Wood Turning Lathe Machine, Surface cum Thickness planer machine, Circular saw, Vertical bend saw

Practical Conducted: Machine Shop I, Machine Shop II and Machine Shop III.

Utilization of Laboratory: First Year, Second Year and Third Year.