



S.A.P.D. Jain Pathashala

Walchand Institute of Technology, Solapur


An Autonomous Institute

P.B.No.634, Walchand Hirachand Marg, Ashok Chowk, Solapur - 413006 (Maharashtra)

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Mechanical Engineering Department Lab Details

Lab Photo	
Lab Name	Oil Hydraulics Laboratory
Lab Description	This laboratory serves the practicals for the course Fluid Machinery & Fluid Power. The laboratory details are as given below. Room No:CM-124 Lab In-charge: Dr. S.B. Tuljapure
Lab Equipments	(1) Hydraulic Trainer (2) Pneumatic Trainer (3) Gear Pump Test Rig. Additional Facility (4) Vane Pump Test Rig. (5) Plunger Pump (6) Hydraulic Lifting Platform
Lab Floor Area in square meters	57.3

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Practicals Engaged in Lab	1.Simple Hyd. Circuit. 2.'Meter-In' & 'Meter-Out' Hyd. Circuit. 3.Travers & Feed Hyd. Circuit. 4.'Bleed-Off' & 'Re-generative' Hyd. Circuit. 5.Synchronizing Hyd. Circuit. 6.Sequencing Hyd. Circuit. 7. Pneumatic Circuit Using Single Acting Cylinder 8.Pneumatic Circuit using Pneumatic Motor. 9.Pneumatic Circuit using Pilot Operated Direction Control Valve.
Name of Lab Incharge	Dr. S.B. Tuljapure
Associated Faculty of the Lab	Prof. S.P. Mankani
Name of Lab Assistant	Mr. S.J. Deodhare