



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)

Phone: (0217)2652700, 2391700 **Extn:** 318 | **Fax:** (0217)2651538

Email: principal@witsolapur.org | principal.witsolapur@gmail.com

Mechanical Engineering Department Lab Details

Lab Photo	
Lab Name	Theory of Machines
Lab Description	This laboratory serves the practicals for the courses Theory of Machines(I & II). The laboratory details are as given below. Room No:CM-123 Lab In-charge: Mr. A.N. Surde
Lab Equipments	<ol style="list-style-type: none">1. MOTORISED GYROSCOPE2. UNIVERSAL GOVERNOR APPARATUS3. VIBRATION MEASUREMENT APPARATUS4. INVOLUTE GEAR TOOTH PROFILE GENERATING RACK CUTTER APPARATUS5. FFT ANALYZER6. GOVERNOR APPARATUS7. MODELS OF VARIOUS MECHANISMS8. MODELS OF CAM & FOLLOWER
Lab Floor Area in square meters	116.42

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Practicals Engaged in Lab	Theory of Machines-I & II :- 1. Demonstration of Grashoff's law for four bar mechanism. 2. Drawing the cam profile by plotting displacement, velocity & acceleration diagrams on drawing sheet 3. Experiment on Watt, Porter & Hartnell governors to study governor characteristics. 4. Experiment to generate involute gear tooth profile. 5. Two Problems on each type of Epicyclic gear train using tabular method. 6. Experiment on Gyroscope.
Name of Lab Incharge	Mr. A.N.Surde
Associated Faculty of the Lab	Dr. S.B.Tuljapure Mr.S.S.Rathod
Name of Lab Assistant	Mr.P.P.Pandit