



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	Automobile Engineering
Lab Description	Automobile lab serves the as the venue and resource for the subjects Automobile Engineering, Basic Mechanical Engineering student projects.
Lab Equipments	Automobile lab comprises of salvaged automobiles, individual components. It consists of demonstration models of diesel engine, truck chassis, and Maruti 800 car, Truck chassis and BAJA and FSAE completion vehicles.
Lab Floor Area in square meters	100
Practicals Engaged in Lab	<ol style="list-style-type: none">1.Study and Demonstration of four-wheeler chassis layout and two-wheel & four-wheel drive layouts2.Study and Demonstration of working of plate automobile clutch3.Study and Demonstration of synchromesh Gearbox4.Study and Demonstration of final drive and differential.5.Study and Demonstration of working hydraulic braking system.6.Study and Demonstration of front wheel steering geometry and steering mechanism.7.Study and Demonstration of suspension system of a four-wheeler8.Study and Demonstration of battery and electrical starting system9.Study and Demonstration of (a) Electric Horn (b) Electric fuel gauge (c) Flasher unit. (d) Wiper circuit.

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Name of Lab Incharge	Mr. N.R. Tambake
Associated Faculty of the Lab	Mr.G.N.Samleti
Name of Lab Assistant	Mr. V.S. Pandit
Name/s of Lab Menial Staff	All workshop menial staff