



S.A.P.D. Jain Pathashala

# Walchand Institute of Technology, Solapur

An Autonomous Institute

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## Department of Civil Engineering

### Lab Details

<b>Lab Name:</b>	Engineering Mechanics & Basic Civil Engineering Lab
<b>Lab Description</b>	Practicals for First Year Engineering Students in semester I & II are carried out in these laboratories.
<b>Lab Equipment</b>	<ol style="list-style-type: none"><li>1. Bell Crank lever</li><li>2. Jib Crane apparatus</li><li>3. Law of Parallelogram and polygon of force apparatus</li><li>4. Parallel force apparatus (Simply Supported, Overhang beam type)</li><li>5. Centrifugal force apparatus</li><li>6. Fletchers trolley</li></ol>
<b>Lab Floor Area in square meters</b>	70
<b>Practicals Engaged in Lab</b>	Engineering Mechanics-Law of Parallelogram, Law of Polygon, Triangle law of force, Verification of law of moments, Law of Motion, Centrifugal force  Basic Civil Engineering-Introduction to chaining Ranging and offsetting, Prismatic compass, Bearings, Dumpy Level, Leveling, Building Planning Field visit
<b>Name of Lab Incharge</b>	Mr. Bipin Pravin Patil
<b>Associated Faculty with the lab</b>	Mrs. Supriya Deepak Konda
<b>Name of Lab Assistant</b>	Mr. G. V. Potdar
<b>Name/s of Menial Staff</b>	Mr. Sunil Bhat