



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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Department of Civil Engineering Lab Details

Lab Name:	Testing of Materials Lab
Lab Description	Major tests conducted in the laboratory: <ol style="list-style-type: none">1. Tensile, compression, shear, bending, hardness, impact, and torsion tests on steel and another material specimen2. Compression tests of mortar cubes, concrete cubes, concrete blocks, bricks, and stones3. Flexure and abrasion tests on tiles4. All physical tests on the cement of various grades
Lab Equipment	<ol style="list-style-type: none">1. Universal testing machine2. Compression testing machine3. Flexural tile testing machine4. Hardness testing machine5. Torsion testing machine6. Tile flexural testing machine and abrasion testing machine7. Impact testing machine and abrasion testing machine8. Humidity Chamber9. Proving ring (Capacity 500 and 1000 kN)
Lab Floor Area in square meters	176.83
Practicals Engaged in Lab	Tension Test on Mild Steel and Tor Steel, Compression test on Mild steel & Cast Iron, Compression Test on Timber, Shear test on Mild Steel, Brinell or Rockwell Hardness, Bending Test on Mild Steel Beam, Torsion Test on Mild Steel and Cast Iron, IMPact test on Mild Steel, Aluminium, Brass, Copper and Cast Iron, Flexural and Abrasion test on flooring tiles, Water absorption, Efflorescence and

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	Compression test on Burnt Bricks, Compression test on stones, Bending Test on Timber, Buckling Test on Timber Columns, Izode and Charry Impact Test on Metal, Bending Strength of Mangalore Tile, Stress Analysis of Welded Joint
Name of Lab Incharge	Mr. Prashant Vishwanath Dhanshetti
Associated Faculty with the lab	Mrs. Swati Gopalrao Ghadge
Name of Lab Assistant	Mr. Dattatray Murlidhar Khandare
Name/s of Menial Staff	Mr. P. B. Honkase