



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	Tool Engineering
Lab Description	This laboratory serves the practical's for the course Tool Engineering. The laboratory details are as given below. Room No:CM-217-B
Lab Equipments	List of Available Equipment's (1)Tool Dynamo-meters- For Lathe & For Drilling (2)Strain Gauge Unit (3)Milling Tool Dynamo-meter (4)Jig Plates (5)Fixtures (6)Washer Making Tool(7)Wooden Models of Jigs and Fixtures.
Lab Floor Area in square meters	83.42
Practicals Engaged in Lab	<ol style="list-style-type: none"><li>1. Study of cutting tools : Classification, Nomenclature, Geometry</li><li>2. Exercise on Theory of metal cutting.</li><li>3. Demonstration of Lathe tool &amp; Drill tool dynamo-meter &amp; calculation of cutting forces.</li><li>4. Exercises on Mechanics &amp; Economics of Machining &amp; Tooling</li><li>5. Sheet on Press tool design- Cutting &amp; drawing operation, necessary calculation</li><li>6. Sheet on Jig design- Exercise &amp; drawing</li><li>7. Sheet on Fixture design- Exercise &amp; drawing</li></ol>

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Name of Lab Incharge	Prof. N. R. Tambake
Name of Lab Assistant	Mr. S. J. Deodhare
Name/s of Lab Menial Staff	Mr. N. C. Achalere