



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	Applied Thermodynamics
Lab Description	Thermodynamics is the science which deals with heat and work of the systems. This lab is equipped with various equipments needed to measure properties of lubricants, grease, and nano fluids.
Lab Equipments	Drop point of Grease, Redwood Viscometer, Grease Penetrometer, Cleaveland Flash & Fire Point app, Carbon Residue Apparatus
Lab Floor Area in square meters	72.9

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Practicals Engaged in Lab	<ol style="list-style-type: none"><li>1. Study of process boilers ( Cochran, Babcock &amp; Wilcox, Lancashire)</li><li>2. Boiler mountings &amp; accessories</li><li>3. Trial of a Redwood Viscometer</li><li>4. Determination of Flash &amp; Fire point</li><li>5. Test on grease penetrometer</li><li>6. Drop point of Grease</li><li>7. Cloud &amp; Pour point of a lubricant</li><li>8. Trial on reciprocating air compressor.</li><li>9. Test on carbon residue</li><li>10. Study of various types of steam calorimeters</li><li>11. Industrial Visit</li></ol>
Name of Lab Incharge	Prof.G.B.Agalave
Name of Lab Assistant	Mr.A.D.Korabu
Name/s of Lab Menial Staff	Mr. S.V.Bhosale