



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	Flexible Manufacturing System
Lab Description	<p>This laboratory Serves to conduct practicals for CAD/CAM course. The earlier facility of CNC machines is upgraded to Flexible Manufacturing System (FMS) using material handling equipments and FMS Software for overall integration and control. This new FMS setup provides advanced manufacturing platform to the students, faculty and staff to upgrade with changing demands of the manufacturing industries by providing hands on experience for quick tooling and instruction changeover and high flexibility in managing manufacturing resources like time and effort in order to manufacture a new product. This unique FMS lab setup (funded under MODROBS) gives an opportunity to all the stake holders to be in touch with current modern trends in technology available across the world.</p>
Lab Equipments	<ol style="list-style-type: none"><li>1) CNC XL Turn (Lathe)</li><li>2) CNC XL Mill</li><li>3) Automatic Storage and Retrieval System (ASRS)</li><li>4) Linear shuttle conveyer</li><li>5) Loading and unloading arm</li><li>6) ARISTO robot</li><li>7) FMS controller</li></ol>

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Lab Floor Area in square meters	57.3
Practicals Engaged in Lab	1. Study of CNC machines 2. CNC Lathe Programming 3. CNC Milling Programming 4. Study of Flexible Manufacturing
Name of Lab Incharge	4. Mr. K.G.Valase
Name of Lab Assistant	5. Mr.G.D.Navalgund
Name/s of Lab Menial Staff	6. Mr. S.V. Gaikwad