



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

Department of Civil Engineering

Lab Details

Lab Name:	Surveying Lab
Lab Description	Major tests conducted in the laboratory: <ol style="list-style-type: none">1. Demonstration of Total Station applications for contouring, line out, profile leveling, etc.2. Permanent adjustment of surveying instruments such as Dumpy Level, Auto Level, Theodolite, etc.3. Use of Plane Table and other minor instruments4. Demonstration of GIS software (GRAM++) Use of Global positioning system (GPS) for absolute positions, tracking and navigation applications.
Lab Equipment	<ol style="list-style-type: none">1. Automatic Level with Stand2. Total Station3. Dumpy Level4. Digital Theodolite5. Mirror Stereoscope6. Plane table with accessories.7. Global positioning system meters.8. Geographical information system software (GRAM++).
Lab Floor Area in square meters	95.79
Practicals Engaged in Lab	Study and use of Auto Level, Study and use of Total station, Preparation of contour map using Block contouring method Minimum area of one Hectare.
Name of Lab Incharge	Mr. Shashikant Buvasaheb Gosavi
Associated Faculty with the lab	Mrs. Supriya Deepak Konda
Name of Lab Assistant	Mr. S. K. Umbardand
Name/s of Menial Staff	Mr. N. R. Shivashetti