


Walchand Institute of Technology, Solapur
Lab Details

Lab Photo	
Lab Name	Structural Dynamics Lab
Lab Description	<p>The laboratory is developed with the help of financial assistance of AICTE under the Research Promotion Scheme (RPS), File No. 20/AICTE/ RIFD/RPS (POLICY- III)33/2012-13. This laboratory is well equipped for the dynamic experimentation with the help of servo hydraulic Uniaxial Shake Table. Shake Table is of size 2m x 2m having payload capacity of 30 kN. This facility is used to simulate the various kind of motion such as sine, ramp, pulse etc. It is also possible to simulate the real past earthquake by providing time history data to the machine.</p>
Lab Equipments	<p>Uniaxial servo hydraulic Shake Table having following specification Table Size in mm - 2000 X 2000, Capacity- 30 kN, Servo hydraulic actuator- 100 kN Capacity, Actuator Stroke in mm- ± 150, Maximum Acceleration - 2g Accelerometers- Dual axis 2 g, 100 Hz- 4 nos, Frequency Range - 0.01 Hz – 50 Hz Servo hydraulic power pack- 65 LPM, pressure 0-210 bar</p>
Lab Floor Area in square meters	70
Practicals Engaged in Lab	used for research work
Name of Lab Incharge	Dr. M.G.Kalyanshetti
Associated Faculty of	Dr. S.A.Halkude, Mr. C.G. Konapure, Mr. P.V. Dhanshetti

the Lab	
Name of Lab Assistant	Mr. S. G. Rajmane
Name/s of Lab Menial Staff	Mr. Zade B. M.