

# Download Mechanical Engineering Strength Of Material Lab Manual

STRENGTH OF MATERIALS LABORATORY – SYLLABUS Exp. No. Name of the Experiment 1 Tension test 2 Deflection test on Cantilever beam 3 Deflection test on simply supported beam 4 Torsion test 5 Hardness test 6 Spring test 7 Compression test on wood or concrete, 8 Impact test 10 Shear test 11 STRENGTH OF MATERIALS LAB Manual. LIST OF EXPERIMENTS. Tension test. Double shear test. 3. Torsion test. Fatigue test on Aluminum rod. Charpy Impact test on metal specimen. Izod Impact test on metal specimen. California State Polytechnic University, Pomona ME 220L Strength of Materials Laboratory Fiber stress. Stress through a point in a part in which stress distribution is not uniform. For example, the stress in a beam under bending load varies from compression to tension across the beam. STRENGTH OF MATERIAL- CIVIL ENGINEERING LAB MANUAL THEORY: - The Universal Testing Machine consists of two units. 1) Loading unit, 2) Control panel. LOADING UNIT:-It consists of main hydraulic cylinder with robust base inside. The piston which moves up and down. The chain driven by electric motor which is fitted on left hand side.