

Complete List of Virtual Laboratory Experiments

Expt. No.	Name of The Experiment
VL-W1	Determination of the spring constant and the effective mass of a loaded spring
VL-W2	Determination of acceleration due to gravity 'g' and verification of conservation of energy of a simple pendulum
VL-H1	Determination of the specific heat capacity of different materials
VL-H2	To plot the thermo-electromotive force vs temperature (Calibration) curve for a given thermocouple
VL-E1	Verification of the Coulomb's law of electrostatics
VL-E2	Determination of dielectric constant of a material using parallel plate capacitor
VL-O1	Determination of the wavelength of monochromatic light by Young's double slit experiment
VL-O2	Determination of the radius of curvature of a lens by Newton's rings experiment
VL-O3	Verification of Malus' law of polarization of light
VL-G1	Determination of the Young's modulus of the material of a wire
VL-M1	Determination of the threshold frequency for the material of a photo cathode and hence find the value of the Planck's constant
VL-M2	Determination of the linear absorption coefficient and mass absorption coefficient of Lead (Pb) and Aluminum (Al) using ^{60}Co radioactive source