

Complete List of Virtual Laboratory Experiments

Sl. No.	Expt. No.	Name of The Experiment
1.	VL-W1	Determination of the spring constant and the effective mass of a loaded spring
2.	VL-W2	Determination of acceleration due to gravity 'g' and verification of conservation of energy of a simple pendulum
3.	VL-H1	Determination of the specific heat capacity of different materials
4.	VL-H2	Calibration of a given thermocouple
5.	VL-H3	Determination of the latent heat of melting ice using electrical method
6.	VL-E1	Verification of the Coulomb's law of electrostatics
7.	VL-E2	Determination of dielectric constant of a material using a parallel plate capacitor
8.	VL-E3	To plot the I-V characteristic curves for an ohmic conductor, a thermistor and a diode
9.	VL-O1	Determination of the wavelength of monochromatic light by Young's double slit experiment
10.	VL-O2	Determination of the radius of curvature of a lens by Newton's rings experiment
11.	VL-O3	Verification of Malus' law of polarization of light
12.	VL-G1	Determination of the Young's modulus of the material of a wire
13.	VL-M1	Determination of the threshold frequency for the material of a photo cathode and hence find the value of the Planck's constant
14.	VL-M2	Determination of the linear absorption coefficient and mass absorption coefficient of Lead (Pb) and Aluminum (Al) using ^{60}Co radioactive source
15.	VL-M3	Determination of lattice constant of NaCl crystal using an X-ray diffraction simulator