

## Complete List of Virtual Laboratory Experiments

Expt. No.	Name of The Experiment
<b>VL-W1</b>	Determination of the spring constant and the effective mass of a loaded spring
<b>VL-W2</b>	Determination of acceleration due to gravity 'g' and verification of conservation of energy of a simple pendulum
<b>VL-H1</b>	Determination of the specific heat capacity of different materials
<b>VL-H2</b>	To plot the thermo-electromotive force vs temperature (Calibration) curve for a given thermocouple
<b>VL-H3</b>	Determination of the latent heat of melting ice using electrical method
<b>VL-E1</b>	Verification of the Coulomb's law of electrostatics
<b>VL-E2</b>	Determination of dielectric constant of a material using parallel plate capacitor
<b>VL-E3</b>	To plot the I-V characteristic curves for an ohmic conductor, a thermistor and a diode
<b>VL-O1</b>	Determination of the wavelength of monochromatic light by Young's double slit experiment
<b>VL-O2</b>	Determination of the radius of curvature of a lens by Newton's rings experiment
<b>VL-O3</b>	Verification of Malus' law of polarization of light
<b>VL-G1</b>	Determination of the Young's modulus of the material of a wire
<b>VL-M1</b>	Determination of the threshold frequency for the material of a photo cathode and hence find the value of the Planck's constant
<b>VL-M2</b>	Determination of the linear absorption coefficient and mass absorption coefficient of Lead (Pb) and Aluminum (Al) using <sup>60</sup> Co radioactive source
<b>VL-M3</b>	Determination of lattice constant of NaCl crystal using an X-ray diffractometer