

PHYSICS SESSIONAL (VIRTUAL LAB)

Course No: PHY 102

Department of CSE (Level-1, Term-1)

- 1. VL-W1** Determination of the spring constant and the effective mass of a loaded spring
- 2. VL-H1** Determination of the specific heat capacity of different materials
- 3. VL-E1** Verification of the Coulomb's law of electrostatics
- 4. VL-H2** Calibration of a given thermocouple
- 5. VL-W2** Determination of acceleration due to gravity 'g' and verification of conservation of energy of a simple pendulum
- 6. VL-E2** Determination of dielectric constant of a material using a parallel plate capacitor
- 7. VL-H3** Determination of the latent heat of melting ice using electrical method
- 8. VL-E3** To plot the I-V characteristic curves for an ohmic conductor, a thermistor and a diode