

## **PHYSICS SESSIONAL (VIRTUAL LAB)**

**Course No: PHY 102**

**Department of EEE (Level-1, Term-2)**

- 1. VL-W1** Determination of the spring constant and the effective mass of a spiral spring
  
- 2. VL-H2** To plot the thermo-electromotive force vs temperature (Calibration) curve for a given thermocouple
  
- 3. VL-M1** Determination of the threshold frequency for the material of a photocathode and hence find the value of the Planck's constant
  
- 4. VL-O2** Determination of the radius of curvature of a lens by Newton's rings experiment
  
- 5. VL-E1** Verification of the Coulomb's law of electrostatics
  
- 6. VL-M2** Determination of the linear absorption coefficient and mass absorption coefficient of Lead (Pb) and Aluminum (Al) using  $^{60}\text{Co}$  radioactive source
  
- 7. VL-O3** Verification of Malus' law of polarization of light
  
- 8. VL-E2** Determination of dielectric constant of a material using parallel plate capacitor