

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** Calibration of 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}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 a parallel plate capacitor