

PHYSICS SESSIONAL (VIRTUAL LAB)

Course No: PHY 102

Department of ME, IPE & NAME (Level-1, Term-2)

- 1. VL-W1** Determination of the spring constant and the effective mass of a spiral spring
- 2. VL-O2** Determination of the radius of curvature of a lens by Newton's rings experiment
- 3. VL-E1** Verification of the Coulomb's law of electrostatics
- 4. VL-G1** Determination of the Young's modulus of the material of a wire
- 5. VL-O3** Verification of Malus' law of polarization of light
- 6. VL-M1** Determination of the threshold frequency for the material of a photocathode and hence find the value of the Planck's constant
- 7. VL-E2** Determination of dielectric constant of a material using a parallel plate capacitor
- 8. VL-W2** Determination of acceleration due to gravity 'g' and verification of conservation of energy of a simple pendulum