

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

**Course No: PHY 102**

**Department of MME (Level-1, Term-1)**

- 1. VL-W1** Determination of the spring constant and the effective mass of a loaded spring
- 2. VL-O1** Determination of the wavelength of monochromatic light by Young's double slit experiment
- 3. VL-E1** Verification of the Coulomb's law of electrostatics
- 4. VL-O2** Determination of the radius of curvature of a lens by Newton's rings experiment
- 5. VL-G1** Determination of the Young's modulus of the material of a wire
- 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-H2** Calibration of a given thermocouple
- 8. VL-M3** Determination of lattice constant of NaCl crystal using an X-ray diffraction simulator