

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

**Course No: PHY 102**

**Department of CE & WRE (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-O1** Determination of the wavelength of monochromatic light by Young's double slit experiment
- 4. VL-E2** Determination of dielectric constant of a material using a parallel plate capacitor
- 5. VL-W2** Determination of acceleration due to gravity 'g' and verification of conservation of energy of a simple pendulum
- 6. VL-H2** Calibration of a given thermocouple
- 7. VL-O2** Determination of the radius of curvature of a lens by Newton's rings experiment
- 8. VL-M2** Determination of the linear absorption coefficient and mass absorption coefficient of Lead (Pb) and Aluminum (Al) using  $^{60}\text{Co}$  radioactive source