

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

**Course No: PHY 102**

**Department of BME (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-W2** Determination of acceleration due to gravity 'g' and verification of conservation of energy of a simple pendulum
- 5. VL-H2** Calibration of a given thermocouple
- 6. VL-O2** Determination of the radius of curvature of a lens by Newton's rings experiment
- 7. VL-H3** Determination of the latent heat of melting ice using electrical method
- 8. VL-O3** Verification of Malus' law of polarization of light