

PHYSICS SESSIONAL (VIRTUAL LAB)

Course No: PHY 102

Department of CE, WRE & ChE (Level-1, Term-1)

1. **VL-W2** Determination of acceleration due to gravity 'g' and verification of conservation of energy of a simple pendulum
2. **VL-E2** Determination of dielectric constant of a material using parallel plate capacitor
3. **VL-H1** Determination of the specific heat capacity of different materials
4. **VL-O1** Determination of the wavelength of monochromatic light by Young's double slit experiment
5. **VL-G1** Determination of the Young's modulus of the material of a wire
6. **VL-M2** Determination of the linear absorption coefficient and mass absorption coefficient of Lead (Pb) and Aluminum (Al) using ^{60}Co radioactive source