

PHYSICS SESSIONAL (VIRTUAL LAB)

Course No: PHY 152

Department of BME (Level-1, Term-2)

- 1. VL-E1** Verification of the Coulomb's law of electrostatics
- 2. VL-M1** Determination of the threshold frequency for the material of a photocathode and hence find the value of the Planck's constant
- 3. VL-G1** Determination of the Young's modulus of the material of a wire
- 4. VL-E2** Determination of dielectric constant of a material using a parallel plate capacitor
- 5. VL-M2** Determination of the linear absorption coefficient and mass absorption coefficient of Lead (Pb) and Aluminum (Al) using ^{60}Co radioactive source
- 6. VL-E3** To plot the I-V characteristic curves for an ohmic conductor, a thermistor and a diode
- 7. VL-M3** Determination of lattice constant of NaCl crystal using an X-ray diffraction simulator