

## **COURSE OUTCOMES**

At the completion of B.Sc., Physics Course the students are able to

CO1: Understand the fundamental concepts of Mechanics with special reference to rotatory motion and motion at high speeds (special relativity) and properties of matter with special focus on elasticity

CO2: Manifestation of universe as matter and energy and energy transport

CO3: Nature of Light and its propagation with special reference to Interference, Diffraction and Polarization. Understand the modern application of quantum optics.

CO4: Understand the relation between mechanical energy and heat, laws of thermodynamics and radiation physics

CO5: Apply the laws of electricity and magnetism to various applications and harness the potential of electronic circuitry.

CO6: Clearly grasp the necessity of modern understanding of laws of nature in the light of quantum mechanics and to apply this understanding to the study of Atomic, Nuclear and Solid State Physics .

CO7: Understand the depletion of natural energy sources coal and oil and the importance renewable energy sources as solution of this crisis.

CO8: Harness the potential of Solar Thermal and Photovoltaic aspects

CO9: Harness the potential of Wind, Hydro and Ocean Energies

CO10: Master the fundamental principles of Energy Storage