## Department of Physics A.N. College, Patna

## **PHYSICS**

## Program specific outcome (PSO)

## **B.Sc.** (Honours)

- **PSO 1**: Students develop insight into the basic principles and applications of the special theory of relativity, classical mechanics, quantum mechanics, statistical mechanics, heat & thermodynamics, mechanical, thermal & electrical properties of Matter, waves & oscillation, electrostatics, current electricity, magnetism, electrodynamics, solid-state physics, electronics and atomic & nuclear physics.
- **PSO 2**: Students acquire laboratory skills and gain expertise to perform experiments in physics laboratory. They familiarize themselves with different measuring instruments and learn importance of error calculations.
- **PSO 3**: Students acquire skills in handling sophisticated optical instruments. They develop theoretical and laboratory skills which should enable them to perform advanced level experiments related to optics.
- **PSO 4**: Students develop research-oriented skills with critical thinking, systematic analysis of problems and draw logical conclusions. They get equipped to handle interdisciplinary, multidisciplinary scientific study and research.
- **PSO 5**: Students learn to use their knowledge of mathematics, physics and computer programming in computational and simulation studies.
- **PSO 6**: Students become eligible to pursue a master's degree in Physical Science, apply for various professional courses, work in theoretical and experimental research-related fields and apply for several competitive examinations to get employed in government and private sectors.
- **PSO 7**: Students become conscious of their moral & ethical values and become responsible educated citizens.