Rayat Shikshan Sanstha's

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

Department of Physics

Programme Specific Outcomes (PSOs) – B.Sc. Physics

PSO 1: Fundamental Knowledge of Physics

Students will acquire strong knowledge of core areas of physics such as mechanics, electricity, magnetism, optics, thermodynamics, and modern physics.

PSO 2: Mathematical and Analytical Skills

Students will develop the ability to apply mathematical tools and analytical methods to solve physical problems effectively.

PSO 3: Experimental and Laboratory Skills

Students will gain hands-on experience in laboratory experiments, measurement techniques, error analysis, and use of scientific instruments.

PSO 4: Problem Solving Ability

Students will be able to identify, formulate, and solve physics-related problems using logical reasoning and scientific methods.

PSO 5: Computational and Digital Skills

Students will learn to use computational tools, software (like Excel, Python, Origin), and basic programming for data analysis and simulations.

PSO 6: Understanding of Modern Physics and Applications

Students will understand concepts of quantum mechanics, nuclear physics, electronics, and their applications in technology and research.

PSO 7: Research and Innovation Skills

Students will develop the ability to carry out basic research, project work, and independent study, encouraging scientific curiosity and innovation.

PSO 8: Employability and Higher Education Readiness

Students will be prepared for careers in teaching, research, industry, and competitive exams (like JAM, NET, SET), as well as for higher studies in physics and related fields.

Head
Department of Physics
A.A. College.Manchar