



BON SECOURS COLLEGE FOR WOMEN (AUTONOMOUS)

Accredited with A++ Grade by NAAC in Cycle II
Affiliated to Bharathidasan University, Tiruchirappalli
UGC Recognized 2(f) and 12(B) Institution

VILAR BYPASS, THANJAVUR - 613 006, TAMIL NADU

DEPARTMENT OF PHYSICS

Programme: B.Sc Physics

PROGRAMME OUTCOMES (POs)

On successful completion of the BSc Programme, students will be able to:

PO1: Foundational Knowledge: Apply fundamental principles and methods across key areas of science and multidisciplinary fields.

PO2: Problem Solving and Analysis: Demonstrate analytical and logical skills to address scientific challenges and requirements.

PO3: Scientific Inquiry and Critical Thinking: Cultivate critical thinking and a scientific temper to evaluate and solve complex problems.

PO4: Effective Communication: Communicate scientific concepts clearly and effectively to diverse audiences.

PO5: Ethics and Sustainable Development: Recognize the importance of ethical responsibility and use technology judiciously to promote sustainability.

PO6: Research and Lifelong Learning: Uphold scientific integrity, engage in research, and commit to continuous learning amid technological advancements.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO-1 Understand the concepts and significance of the various physical phenomena and their applications.

PSO-2 Define the basic laws involved in Physics and their related examples.

PSO-3 Carry out experiments in the laboratory to understand the laws and concepts of Physics.

PSO-4 Analyze the experimental design and implementation, analysis of experimental -data and numerical and mathematical methods in problem solving.

PSO-5 Enhance their academic abilities, personal qualities and transferable skills which will

give them an opportunity to develop as responsible citizens.

PSO-6 Understand with the profound knowledge of various fields of physics to lead a career, Higher education & entrepreneurships.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Acquire in-depth knowledge of the discipline, coupled with technical skills, communication abilities, logical thinking, and problem-solving competence.

PEO2: Develop entrepreneurial and employability traits, functioning as responsible citizens with the ability to tackle challenging tasks, transform rural communities, and adapt to contemporary technologies.