



# 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 BOTANY

OUTCOME BASED EDUCATION – B.Sc., BOTANY (2024-2025 Onwards)

### PROGRAMME OUTCOMES (POS)

**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

**PSO1:** Identify various plant life forms using specific key characteristic features for accurate identification.

**PSO2:** Demonstrate comprehensive knowledge of Botany, encompassing core concepts at the organizational (external and internal morphology), cellular, and molecular levels, to understand plant development and physiological functions.

**PSO3:** Exhibit proficiency in practical work, experiments, and the use of biological tools and techniques, fostering a research-oriented attitude.

**PSO4:** Investigate various life forms and their complexities at the cellular and molecular levels.

**PSO5:** Develop expertise in statistical data analysis for better interpretation and problem-solving.

### PROGRAMME EDUCATIONAL OBJECTIVES

**PEO1:** Acquire intensive knowledge of the Botany and allied disciplines and get embedded with the competency in technical skills, communication, logical thinking and problem solving.

**PEO2:** Imbibe the entrepreneurial and employability traits and function as a responsible citizen with the acquisition of profound ability of tackling the challenging tasks of transforming the rural community by adapting and customizing to the contemporary technologies.

**PEO3:** Students will have successful professional careers in the field of plant and agricultural sciences, both in academia and in the public and private sectors.

**PEO4:** Students will be able to acquire fundamental and advanced botanical science abilities, boosting their confidence and faith in order to achieve effective career development.

**PEO5:** Develop the capacity to use the different laboratory and field approaches for scholarly reasoning and problem solving proficiently.