

Sarojini Naidu College for Women

Name of the Academic Program: B. Sc. (Hons)

Program Outcomes (PO)

Objective:

To provide students with a comprehensive, interdisciplinary education that emphasizes knowledge, problem analysis, solution design, modern tool usage, communication development, employability, ethics, environment and sustainability, soft-skill development, and the relationship between science and society.

PO1. Knowledge: The Bachelor of Science Honors program aims to provide students with a broad understanding of the world and the various disciplines that contribute to our understanding of it. Students will take a variety of courses in the natural sciences to develop this understanding.

PO2. Problem Analysis: The program will focus on teaching students how to identify and analyze problems, both in the context of their coursework and in real-world situations. Students will use critical thinking and a variety of analytical tools to develop these skills.

PO3. Designing Solutions: Students will learn how to design and implement solutions to problems, taking into account the various factors that may influence the success of a particular approach. They will be trained to think creatively and critically to come up with effective solutions.

PO4. Modern Tool Usage: Students will become proficient in the use of modern tools and technologies, such as computer programming, data analysis, and visualization. These tools will support their problem-solving and design efforts and help them stay current in the rapidly changing job market.

PO5. Communication Development: The program will focus on teaching students how to effectively communicate their ideas and solutions to a variety of audiences, both verbally and in writing. They will learn to present their ideas clearly and persuasively.

PO6. Employability: The program is designed to prepare students for a variety of careers, with an emphasis on developing the skills and knowledge needed to succeed in today's rapidly changing job market. Students will be equipped with the skills required to be successful in any field.

PO7. Ethics: The program will teach students about ethical principles and how to apply them in real-world situations. They will learn to make ethical decisions and understand the impact of their actions on society.

PO8. Environment and Sustainability: Students will learn about the impact of human activity on the environment, and the importance of sustainability in addressing environmental challenges. They will understand the importance of protecting the environment for future generations.

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PO9. Soft-Skill Development: The program will help students develop a variety of soft-skills, such as teamwork, leadership, and time management. These skills are essential for success in any field.

PO10. Science and Society: Students will learn about the relationship between science and society, including the impact of scientific discoveries and technological advancements on society and the ethical considerations that arise in this context. They will understand the role of science in shaping society and the responsibilities of scientists.

The program will be delivered through a combination of lectures, seminars, lab work, fieldwork, and independent study. Throughout the program, students will be encouraged to apply what they are learning to real-world problems and to engage in research and other forms of independent inquiry.

In conclusion, this three-year B.Sc. Honors Program aims to equip students with the knowledge, skills, and abilities needed to become well-rounded, independent thinkers who can contribute to society in meaningful ways.