Department of Computer Science
Sarojini Naidu College for Women

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

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Program Specific Outcomes (PSO)

After successful completion of B.Sc. (Hons.) in Computer Science, students gain the knowledge of the following:

PSO1: An essential skill of problem solving with different dimensions of computer science and computing.

PSO2: Ability to understand the principles and working of computer systems to assess both the hardware and software aspects.

PSO3: Professional skills of software design including familiarity and practical competence with a broad range of programming language and open source platforms.

PSO4: Ability to apply mathematical methodologies to solve computation tasks, model real world problems using appropriate data structure and suitable algorithms.

PSO5: Ability to use knowledge in various domains to identify research gaps and hence to provide solutions to new ideas and innovations.

PSO6: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PSO7: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PSO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PSO9: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.