SIR C R REDDY COLLEGE FOR WOMEN
VATLURU, ELURU

DEPARTMENT OF COMPUTER SCIENCE
B. Sc. (Computer Science)

Programme Specific Outcomes (PSO'S):

Students after graduating with computer science as one of the core subjects will have:

PSO-1: Demonstrate understanding of the principles and working of the hardware and software aspects of computer systems.

PSO-2: Develop the ability to think algorithmically and design efficient solutions to complex problems using C.

PSO-3: Develop a deep understanding of common data structures, including arrays, linked lists, stacks, queues, tress and graphs and their applications.

PSO-4: Understand and implement various sorting and searching algorithms, such as linear search and binary search, bubble sort, quick sort, and more.

PSO-5: Apply normalization techniques to eliminate data redundancy and maintain data integrity within relational data base.

PSO-6: Implement procedures to insert, update, delete and retrieval data from databases using SQL commands.

PSO-7: Implement effective exception handling strategies to gracefully manage errors and exceptions in java programs.

PSO-8: Connect to database and perform database operations using Java database Connectivity.

PSO-9: Understand and implement process management functions including process creation, scheduling, synchronization and inter process communication (IPC).

PSO-10: Develop skills in managing threads, including multi thrading, thread synchronization.

PSO-11: Acquire, clean and preprocess data from various sources to create high quality data sets suitable for analysis**.**

PSO-12: Create compelling data visualizations using tools like matplotlib, bar charts, line charts and scatter plots, etc.

PSO-13: Apply statistical methods to analyze data including hypothesis testing and confidance interval, etc.

PSO-14: Demonstrate a strong understanding of Python's core syntax, data types and control structures.

PSO-15: Familiarity with popular python libraries such as numpys and pandas..etc

PSO-16: To pursue further studies to get specialization in Computer Science and Applications.