

Bachelor of Computer Application (BCA)

Course Overview Institution: St. Anne's First Grade College for Women

Program Duration: 3 Years (6 Semesters)

Semester 3:

English:

This course explores classical and modern English literature. Students will engage with texts from various literary periods, analyzing themes, language, and literary techniques used by prominent authors and poets.

Hindi:

This course explores classical and modern Hindi literature. Students will engage with texts from various literary periods, analyzing themes, language, cultural context, and the literary techniques used by notable Hindi authors and poets.

Operating

System:

This course examines the structure and functionality of computer operating systems. Students will explore concepts such as process management, memory management, file systems, and system security, gaining a deep understanding of how operating systems support computer functionality.

Computer

Network:

This course introduces the fundamentals of computer networking. Students will explore topics such as network models, protocols, IP addressing, data transmission, and network security, developing a foundational understanding of how data is communicated across networks.

Python

Programming:

This course introduces the fundamentals of Python programming. Students will learn about data types, control structures, functions, object-oriented programming, file handling, and libraries, enabling them to build effective and versatile Python applications.

Database

Management

Systems

(DBMS):

This course focuses on the design, implementation, and management of database systems. Students will engage with concepts such as data modeling,

SQL, normalization, and transaction management to develop efficient and reliable database applications.

Computer Assembly and Repair:

This course provides practical knowledge of computer hardware components and system assembly. Students will learn how to assemble, troubleshoot, maintain, and repair desktop and laptop computers, gaining hands-on experience in diagnosing hardware issues and replacing faulty components.