Bachelor of Computer Application (BCA)

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

Program Duration: 3 Years (6 Semesters)

Semester 1:

English:

This course explores classical and modern English literature. Students will engage with texts from different periods, analyzing themes, language, and literary techniques

Hindi:

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

Discrete Structures:

This course introduces the fundamental concepts of discrete mathematics. Students will engage with topics such as logic, set theory, combinatorics, relations, and graph theory, applying these principles to computer science problem-solving.

Problem Solving Techniques:

This course explores various techniques for solving computational problems. Students will engage with algorithmic thinking, flowcharts, and pseudo-code, developing structured approaches to design and analyze solutions efficiently.

Data Structure:

This course examines the organization and manipulation of data using structures such as arrays, linked lists, stacks, queues, trees, and graphs. Students will engage in implementing and analyzing these structures to solve complex computing problems.

Office Management and Tools:

This course provides an overview of office procedures and productivity tools. Students will engage with software applications such as word processors, spreadsheets, and presentation tools, while learning efficient office communication and data management practices.