

## **Bachelor of Computer Application (BCA)**

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

**Program Duration: 3 Years (6 Semesters)**

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### **Semester 4:**

#### **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.

#### **Software Engineering:**

This course introduces the principles and practices of software development. Students will study software development life cycles, requirement analysis, design methodologies, testing, maintenance, and project management to build high-quality software systems.

#### **Design and Analysis of Algorithms (DAA):**

This course focuses on the design, development, and evaluation of algorithms. Students will learn about algorithmic strategies such as divide-and-conquer, dynamic programming, and greedy algorithms, along with analyzing time and space complexity.

#### **Internet Technologies:**

This course explores the fundamentals of web development and internet-based applications. Students will learn about HTML, CSS, JavaScript, client-server architecture, web servers, and backend technologies, enabling them to design and build interactive web applications.