

Name of Programme: Bachelor of Computer Application (BCA)

Program Outcomes

Upon successful completion of the BCA, the student should have met the following Outcomes:

1. Appreciate and apply mathematical organization, computing, and domain information for the conceptualization of computing models from clear harms.
2. Facility to apply and give expert principles and cyber systems in a universal monetary situation
3. Ability to function as an effective communicator and team member through essential skills in multidisciplinary projects.
4. Understand, analyze and develop computer programs in the areas related to algorithms, web design, and networking for efficient design of the computer-based system.
5. Classify opportunities, private enterprise dreams, and use of original thoughts to build worth and means for the betterment of the human being and the world
6. Work in the IT sector as a system engineer, software tester, junior programmer, web developer, system administrator, software developer, etc.
7. To develop an interdisciplinary approach among the students

Program Specific Outcome (PSO)

1. An ability to enhance the application of knowledge of theory subjects in diverse fields.
2. Encouraging students to convert their start-up idea to reality by implementing
3. Focuses on preparing the student for roles in computer applications and the IT industry
4. Develop programming skills, networking skills, learn applications, packages, programming languages, and modern techniques of IT
5. Information about various computer applications and the latest development in IT and communication systems is also provided
6. Ability to identify, formulates, analyze and solve problems of programming using different languages.
7. Take up self-employment in the Indian & global software market.
8. To pursue a career in the corporate sector can opt for M.Sc, MCA.
9. The student will be able to know various issues, and the latest trends in technology development and thereby innovate new ideas and solutions to existing problems

Course Outcomes:

Bachelor of Computer Application (NEP-2020)

Multiple Entry and Multiple Exit Option

BCA PART I SEM I

Course code: CC-101

Title of course: Basics of C

Course Outcomes:

The course will enable students to;

1. Understand Fundamental concepts of Computer
2. Basic knowledge of peripheral devices

Course Outcomes:

The course will enable students to;

1. To make the student learn a programming language
2. To develop logics which will help them to create programs, applications in C
3. Switch over to any other language in future

Course code: CC-102

Title of course: Fundamentals of Operating System

Course Outcomes:

After completion of this course students will be able to;

1. Understand fundamental operating system
2. Learn types of operating systems, Scheduling
3. Learn Process Synchronization, Deadlock Prevention, and Avoidance

Course code: CCPR-103

Title of course: Programming with C Lab

Course Outcomes:

After completion of this course students will be able to;

- 1)To make the student learn a programming language.
- 2)To learn problem solving techniques.
- 3)To teach the student to write programs in C and to solve the problems

Course code: Open Elective 1

Title of course: Basics of Electronics

Course Outcomes:

After completion of this course students will be able to;

1. Understand the concept of number system
2. Understand the functionality of logic gates

Course code: Open Elective 2

Title of course: Basics of RDBMS

Course Outcomes:

1. To analyze and design the basic elements of Relational Database Management System.

2. To identify the relevant data models for problems.

Course code:

Title of course: Fundamentals of Computers

Course Outcomes:

The course will enable students to;

1. Understand Fundamental concepts of Computer
2. Basic knowledge of peripheral devices

Course code: SEC

Title of course: Office automation

The course will enable students to;

1. Understand the basics of MS Word
2. Understand the functionalities of MS Excel
3. Understand the working of PowerPoint.
4. Understand the uses of internet and email

Course code:

Title of course: Basics of Business Communication

Course Outcomes: After completion of this course students will be able to;

1. To provide an overview of Prerequisites to Business Communication
2. To put in use the basic mechanics of Grammar
3. To underline the nuances of Business communication
4. To impart the correct practices of the strategies of Effective Business writing

Course code: VEC

Title of course: Fundamentals of Environmental Science

Course Outcomes:

The course will enable students to;

1. To understand basic concepts of environment.
2. To understand concept of biodiversity and its conservation measures.

Course code: IKS

Title of course: Critical Thinking, Human Values, and Ethics

Course Objectives:

1. Understand the principles of thinking and reasoning, and their application in decision-making
2. Familiarize students with the major ethical theories and concepts
3. Develop skills in ethical reasoning and decision-making

4. Explore the role of human values in societal contexts
5. Encourage critical discussion about the complex relationship between thinking, ethics, and values.

Course code: CC

Title of course: Fundamentals of Mathematics

Course Outcomes:

The course will enable students to;

1. Basic knowledge of set theory, functions and relations concepts, matrix needed for designing and solving problems.
2. Construct simple mathematical proofs and possess the ability to verify them.

**Bachelor of Computer Application
Multiple Entry and Multiple Exit Option**

(NEP-2020) BCA PART I SEM II

Course code: CC-201

Title of course: Advanced C

Course Outcomes:

The course will enable students to;

1. To impart knowledge in creating and using Arrays of the C data types.
2. Write programs that perform operations using derived data types

Course code: CC-202

Title of course: Advanced Operating System

Course Outcomes:

After completion of this course students will be able to;

1. Understand the concept of Memory Management
2. Understand File-System and Directory Implementation.

Course code: CC-101

Title of course: Advanced C Lab

Course Outcomes:

After completion of this course students will be able to;

1. Manage I/O operations in your C program
2. Repeat the sequence of instructions and points for a memory location
3. Understand the basics of file handling mechanisms

Course code: Open Elective

Title of course: Advanced Electronics

Course Outcomes:

The course will enable students to;

1. Present a problem oriented introductory knowledge of Digital circuits and its applications.
2. Focus on the study of electronic circuits.

Course code: Open Elective

Title of course: Advanced RDBMS

Course Outcomes:

1. To Learn to Normalize The Databases Using Normalization Techniques.
2. To Use Transaction Processing Concepts & PL /SQL Commands

Course code: VSC

Title of course: Web Designing

Course Outcomes:

1. Learn how to design and develop a Web page using HTML and CSS.
2. Learn how to link pages so that they create a Web site.
3. Design and develop a web site using text, images, links, lists, and tables

Course code:

Title of course: Business Communications

Course Outcomes:

After completion of this course students will be able to;

1. Communicate effectively in various formats
2. Improve writing skills in different format

Course code: VEC

Title of course: Environmental Pollution

Course Outcomes:

The course will enable students to;

1. To understand pollution of environmental resources and their control
2. To understand global environmental issues

Course code: CC

Title of course: Matrices and Graph Theory

Course Outcomes:

The course will enable students to;

1. Write an argument using logical notation and determine if the argument is valid or is not valid.
2. Use graph algorithms to solve problems.