DEPARTMENT OF COMPUTER APPLICATIONS AND TECHNOLOGY

PROGRAMME OUTCOMES FOR BCA

After the completion of programme the students are able to

- **PO1.** Design solutions for complex problems.
- **PO2.** Choose suitable algorithm to solve computation tasks.
- **PO3.** Interpret the structure and development methodologies of software systems.
- **PO4.** Relate business scenarios and contemporary issues in emerging technologies.
- **PO5.** Connect the modern computing tools, skills and techniques necessary for innovative software solutions
- **PO6.** Relate the contemporary computing tools, methodologies, and talents required for creative software solutions

PROGRAMME SPECIFIC OUTCOMES (PSO) FOR BCA

After the completion of programme the students are able to

- **PSO1.** Extend the information of computing skills in various domains.
- **PSO2.** Discover technical competence in computer application areas.
- **PSO3.** Examine information for innovation, variation, modernization, and research to satisfy global needs.

Course Outcome

SEMESTER I

Core I: Problem Solving using Python

After the completion of this course the students are able to

CO1: Discuss the fundamental concepts of python.

CO2: Develop the control flow statements in python.

CO3: Implement the memory management concepts.

CO4: Illustrate a turtle programs in Python.

CO5: Implement the emerging applications of relevant field.

CO6: Manipulate database using real time Python programs.

SEMESTER II

CORE – II OBJECT ORIENTED PROGRAMMING CONCEPTS USING C++

After the completion of this course the students are able to

CO1: Describe the procedural and object oriented paradigm.

CO2: Demonstrate the control structures.

CO3: Define the dynamic memory management techniques.

CO4: Describe the concept of polymorphism.

CO5: Associate the usage of exception handling.

CO6: Implement the real time applications.

Core III: DATA STRUCTURES

After the completion of this course the students are able to

CO1: Describes the data representation in memory.

CO2: Enumerate the common applications of storage structure.

CO3: Illustrate programs with various storage structures.

CO4: Implement various traversing methods in tree structure.

CO5: Identify the dynamic and static data structures.

CO6: Demonstrate the concepts of Data Structures.

Core IV: JAVA PROGRAMMING

After the completion of this course the students are able to

CO1: Describes the principles of object oriented programming.

CO2: Illustrate the basic concepts.

CO3: Implement OOPS concepts.

CO4: Design applications with threads in Java.

CO5: Manipulates its own programs by using java applications.

CO6: Demonstrate the elementary modifications that solve real-world problems.

Core V: COMPUTER ORGANIZATION

After the completion of this course the students are able to

CO1: Describe the major components of a computer system.

CO2: Design the microstructure of a processor.

CO3: Demonstrate the assembly language programs.

CO4: Illustrate the DMA Interface operations.

CO5: Explores the fundamentals instruction set architectures

CO6: Implement the arithmetic operations.