COURSE OUTCOMES B.SC. (COMPUTER SCIENCE)

B. Sc.-I (Sem-I)
Paper: DSC-11A
PROBLEM SOLVING USING COMPUTERS

CO1: Explore algorithmic approaches to problem solving.

CO2: Develop modular programs using control structures and arrays in 'C'

B.Sc.-I (Sem-I)
Paper: DSC-12A
Database Management System

CO1: Understand basic concepts of database and its Architecture.

CO2: Describe ERD and its Components.

B. Sc.-I (Sem – II)
Paper: DSC-11B
Programming Skills Using 'C'

CO1: Ability to design and develop Computer programs, analyzes, and interprets the concept of pointers, declarations, initialization, operations on pointers and their usage.
CO2: Develop confidence for self education and ability for life-long learning needed for computer language.

B.Sc. I (Sem-II)
Paper: DSC-12B
Relational Database Management System

CO1: Explain various commands in data languages with example.

CO2: Understand concept of normalization and its types.

B.Sc.-II (Sem-III)
Course Code: DSC-11C
Paper –V: PHP and MySQL

CO1: To understand basic concept of PHP.

CO2: To Learn how to developing applications in PHP using MySQL.

CO3: To learn and develop various PHP technology applications that definitely meets the currentindustry needs.

B.Sc. –II (Sem– III)
Course Code: DSC-12C
Paper –VI: Object Oriented Programming Using C++

CO1: To understand how C++ improves C with object oriented features

CO2: To learn syntax and semantics of C++ programming language

CO3: To learn how to write inline functions for efficiency and performance.

CO4: To learn how to overload functions and operators in C++.

CO5: To learn how to design C++ classes for code reuse.

CO6: To learn how inheritance promote code reuse in C++.

CO7: To learn how inheritance and virtual functions implement dynamic binding with polymorphism.

B.Sc.-II (Sem-IV)
Course Code:DSC-11D
Paper –VII: Cyber Security Essentials-I

CO1. Understand concept of information security management.

CO2. Learn different access controls methods.

CO3. Understand wireless network security.

CO4. Learn cyber security laws and importance of security audit.

B.Sc. –II (Sem– IV)
Course Code:DSC-12D
Paper –VIII:Data Structure Using C++

CO1: Understand the basic concepts such as Abstract Data Types, Linear and Non Linear Data structures.

CO2: Ability to choose appropriate data structures to represent data items in real world problems.

CO3: Ability to analyze the time and space complexities of algorithms.

CO4: Ability to design programs using a variety of data structures such as array, stacks, queues, linked list

CO5: Able to analyze and implement various kinds of searching and sorting techniques.

B.Sc. III (Sem-V)
Course Code: DSE-21E
Paper –IX: Core Java

CO1: Understand basic concepts and features of Java.

CO2: Understand Object oriented programming concepts.

CO3: Understand concept of Multithreading and Exception Handling

B.Sc.-III (Sem-V)
Course Code: DSE-22E
Paper –X:C# Programming

CO1: Overview of C#.NET with features

CO2: Understanding the Object Oriented Programming concepts

CO3: Overview of different form controls and IDE

B.Sc.-III (Sem-V)
CourseCode: DSE-23E
Paper – XI: LINUX Part I

CO1: Upon completion of this course, students should have a good working knowledge of Linux.

CO2: Allowing them to easily use any Linux distribution.

CO3: This course shall help student to learn advanced subjects in computer science practically.

B.Sc.-III (Sem-V)
Course Code: DSE-24E
Paper – XII:Python Part I

CO1: To understand why Python is a useful scripting language for developers

CO2: To learn how to write loops and decision statements in Python

CO3: To learn how to use lists, tuples, and dictionaries in Python programs

B.Sc.-III (Sem-VI)
CourseCode:DSE-21F
Paper– XIV:Advanced Java

CO1: To learn swing and database programming using Java

CO2: understand server-side programming through servlets.

CO3: To study web development concept using Servlet and JSP.

B.Sc.-III (Sem-VI)
CourseCode:DSE-22F
Paper– XIV: ASP .NET

CO1: Understanding the Client-side and Server-side programming

CO2: Apply validation and state management for interactive website development

CO3: Design and develop dynamic web application using ADO.Net

B.Sc.-III (Sem-VI)
CourseCode:DSE-23F
Paper - XV: Linux Part II

CO1: This course covers design principles of Linux Operating System Memory management.

CO2: Structure of File system and virtual file system is also elaborated.

CO3: This course contains details of shell programming and introduces System administration

B.Sc.-III (Sem-VI)
CourseCode:DSE-24F
Paper - XVI: Python Part II

CO1: To learn how to write functions and pass arguments in Python

CO2: To learn how to build and package Python modules for reusability

CO3: To learn how to use exception handling in Python applications for error handling