

## BCA Year 1

### Subject: C Programming

<b>Course Outcomes</b>	
<b>At the end of the course, students will be able to</b>	
CO1	Develop perspective and technical understanding of computers, with special focus on C language, the concept of algorithm and algorithmic thinking.
CO2	Use C programming language to practically implement various algorithms and develop concepts and terminology of programming in general.
CO3	Formulate the ability to design creative solutions to real life problems faced by the industry.
CO4	Acquire and practice more advanced features of the C language.

### Subject: Business Communication Skills -

<b>Course Outcomes</b>	
<b>At the end of the course, students will be able to</b>	
CO1	Demonstrate an understanding of basic communication theories
CO2	Acquire and analyse prerequisite skills for effective Business Communication.
CO3	Critique communication strategies and techniques for business situations and contexts (group communication, listening, non-verbal communication)
CO4	Apply and enhance communication strategies for enhancing effectiveness of communication and personality attributes.

### Subject: Principles of Management

<b>Course Outcomes</b>	
<b>At the end of the course, students will be able to</b>	
CO1	Demonstrate the roles, skills and functions of management.
CO2	Incorporate the effective management skills needed to maximize individual and organizational productivity related to the internal and external environment and analyze modern management practices.
CO3	Evaluate leadership styles to anticipate the consequences of each leadership style.
CO4	Integrate management principles into management practices.

## Enterprise Resource Planning

<b>Course Outcomes</b>	
<b>At the end of the course, students will be able to</b>	
CO1	Explore evolution and dimensions of ERP and Related Technologies.
CO2	Analyse steps and activities in the ERP modules and life cycle.
CO3	Explore and apply contemporary Trends in ERP.
CO4	Create reengineered business processes for successful ERP implementation.

## Discrete Mathematics

<b>Course Outcomes</b>	
<b>At the end of the course, students will be able to</b>	
CO1	Elaborate the use of mathematical reasoning in order to read, comprehend and construct mathematical arguments.
CO2	Evaluate concepts of sets, permutations, relations, graphs, trees and finite state machines and develop an ability of representing discrete objects and relationships using abstract mathematical structures.
CO3	Develop an ability to verify works of algorithm and perform analysis in terms of memory and time.
CO4	Formulate and model problems with the concepts and techniques of discrete mathematics.

## Modern Operating Environment and MS Office

<b>Course Outcomes</b>	
<b>At the end of the course, students will be able to</b>	
CO1	Acquire and facilitate sound knowledge of basic concept of computer system and current operating environment.
CO2	Demonstrate and explore knowledge of MS office suit.

CO3	Explore and cultivate basics of networking and its protocols.
CO4	Develop skills to investigate operating system and integrate hardware.

## E-Commerce Concepts

<b>Course Outcomes</b>	
<b>At the end of the course, students will be able to</b>	
CO1	Demonstrate understanding of the E-Commerce and E- business infrastructure and existing trends.
CO2	Evaluate types of portal technologies and deployment methodologies commonly used in E-commerce industry.
CO3	Integrate technology support for planning, processing, billing and development E-commerce.
CO4	Design own websites and E-commerce portals through Integration of theoretical frameworks with business strategies.

## Computer Networks

<b>Course Outcomes</b>	
<b>At the end of the course, students will be able to</b>	
CO1	Demonstrate knowledge of data communication and computer networks.
CO2	Describe, analyse and evaluate a number of datalink, network and transport layer protocols.
CO3	Analyse soundness or potential flaws in proposed protocols
CO4	Design, analyse and evaluate networks and services for homes, data centres, IoT/IoE, LANs and WANs.

## Data Structure Using C

<b>Course Outcomes</b>	
<b>At the end of the course, students will be able to</b>	
CO1	Demonstrate knowledge of basic data structures and their implementations.
CO2	Asses the importance of data structures in context of writing efficient programs.
CO3	Choose efficient data structures for specific purpose.
CO4	Develop skills to apply appropriate data structures in problem solving.

## **Environmental Science**

<b>Course Outcomes</b>	
<b>At the end of the course, students will be able to</b>	
CO1	Understand core and conceptual concepts and methods from ecological and physical sciences and their application in environmental problem-solving.
CO2	Appreciate ethical, cross-cultural, economic and historical context of environmental issues and the links between human and natural systems.
CO3	Demonstrate an integrative approach to environmental issues with a focus on sustainability.
CO4	Reflect critically roles and identities as citizens, consumers and environmental actors in a diverse, complex and interconnected world.