

Relational Database Management System

| | | |
|---------------------|------------------------------|---------------------|
| Semester III | Subject Code: BC31601 | Lectures: 60 |
|---------------------|------------------------------|---------------------|

Objectives:

The syllabus aims in equipping students with,

- Understanding relational database concepts
- Learning transaction management concepts in database system
- Writing programs in PL/SQL that use procedure, function, package, cursor and trigger

Data Structure Using C

| | | |
|---------------------|------------------------------|---------------------|
| Semester III | Subject Code: BC31602 | Lectures: 60 |
|---------------------|------------------------------|---------------------|

Objectives:

The course is designed to equip students,

- To understand different methods of organizing large amounts of data
- To efficiently implement different data structure
- To efficiently implement solution for different problems
- To get more knowledge on C programming language

Introduction to Operating System

| | | |
|---------------------|------------------------------|---------------------|
| Semester III | Subject Code: BC31603 | Lectures: 60 |
|---------------------|------------------------------|---------------------|

Objectives:

The course is designed to equip students with,

- Making computers more convenient to use
- The efficiency to allocate resources to processes
- The Understanding of the memory management techniques
- The knowledge of disk scheduling

Mathematics and Statistics

| | | |
|---------------------|------------------------------|---------------------|
| Semester III | Subject Code: BC31604 | Lectures: 60 |
|---------------------|------------------------------|---------------------|

Objectives:

The syllabus aims in equipping students with,

- The concept of Probability, Probability Distributions and Simulations in business world and decision making
- Balanced knowledge of theory as well as practical aspects of the subject.
- Knowledge in Operations Research
- A culture of informed decision making using statistical models

Software Engineering

| | | |
|---------------------|------------------------------|---------------------|
| Semester III | Subject Code: BC31605 | Lectures: 60 |
|---------------------|------------------------------|---------------------|

Objectives:

The course is designed to equip students with,

- The knowledge of software engineering
- The concepts of software product and processes
- The ability to analyze and to design, verify, validate, implement, apply, and maintain software systems

Laboratory Course - III
(Based on Paper No. BC31601 and BC31602)

| | | |
|---------------------|-------------------------------|---------------------|
| Semester III | Subject Code: BCP31606 | Lectures: 60 |
|---------------------|-------------------------------|---------------------|

Objectives:

The syllabus aims in equipping students with,

- Creating tables in oracle in 3rd normal form
- Writing Triggers, Functions, Procedures, Cursor and Packages in PL/SQL
- Understand Data Structure concepts in detail
- Writing a program for implementation of various data structure

Object Oriented Programming Using C++

| | | |
|--------------------|------------------------------|---------------------|
| Semester IV | Subject Code: BC41601 | Lectures: 60 |
|--------------------|------------------------------|---------------------|

Objectives:

The syllabus aims in equipping students with,

- Understanding the basic object-oriented concepts
- Implementing object-oriented concepts like Inheritance, Polymorphism
- Learning how to work with files

Programming in Visual Basic

| | | |
|--------------------|------------------------------|---------------------|
| Semester VI | Subject Code: BC41602 | Lectures: 60 |
|--------------------|------------------------------|---------------------|

Objectives:

The course is designed to equip students,

- To learn properties and events, methods of controls
- How to handle events of different controls.
- To understand the use of active X controls
- How to design VB application
- To learn database connectivity using VB as frontend.

Computer Networking

| | | |
|--------------------|------------------------------|---------------------|
| Semester IV | Subject Code: BC41603 | Lectures: 60 |
|--------------------|------------------------------|---------------------|

Objectives:

The course is designed to equip students with,

- An ability to understand of modern network architectures from a design and performance perspective
- The major concepts involved in wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs)
- The knowledge of network terminology
- The areas of Network Security

Enterprise Resource Planning and Management

| | | |
|--------------------|------------------------------|---------------------|
| Semester IV | Subject Code: BC41604 | Lectures: 60 |
|--------------------|------------------------------|---------------------|

Objectives:

The course is designed to equip students with,

- The knowing of ERP
- Learning of different ERP technologies
- An Understanding of the business process of an enterprise
- The ability to grasp the activities of ERP project management cycle

Human Resource Management

| | | |
|--------------------|------------------------------|---------------------|
| Semester IV | Subject Code: BC41605 | Lectures: 60 |
|--------------------|------------------------------|---------------------|

Objectives:

The syllabus aims in equipping students with,

- The knowledge of the working of the corporate sector.
- The applications of Research Methodology, Statistics and Simulations in business world and decision making.
- Balanced knowledge of theory as well as practical aspects of the subject .
- Knowledge in handling employees and the requirements of a good and responsible manager.
- A sense of responsibility and enhance individual talent.

Laboratory Course - IV (Based on Paper No. BC41601 and BC41602)

| | | |
|--------------------|-------------------------------|---------------------|
| Semester IV | Subject Code: BCP41606 | Lectures: 60 |
|--------------------|-------------------------------|---------------------|

Objectives:

The syllabus aims in equipping students with,

- To implement OOP'S Concepts using C++
- To work with Strings and Files in C++
- To understand VB IDE
- Writing VB application with basic VB control
- To implement VB application With Advance ActiveX control
- To use VB as front-end for database connectivity and generate Data Reports