DEPARTMENT OF COMPUTER APPLICATIONS (B.COM)

SEMESTER – I

Fundamentals of Information Systems

Course Code: DSC103

Corse Outcome:

1) Block Diagram Of a computer, Generations of Computer, Classification Of Computers, Applications of Computer, Capabilities and limitations of computer.
2) explains computers and data processing
3) defines input and output units computers
4) Knows the terms of motherboard, CPU, RAM, ROM, BIOS, CMOS and can express with their own words.
5) Identifies and explain computer hardware Defines hardware and software concepts
6) Expresses memories hardware will be to able express basic computer hardware
7) Operating System definition and types of Operating System.
8) Describes the communication units of computers.

SEMESTER – II

PROGRAMMING WITH C & C++

Course Code: DSC203
Corse Outcome:

1) Demonstrate an understanding of computer programming language concepts. To be able to develop C programs on Linux platform.
2) Ability to design and develop Computer programs, analyzes, and interprets the concept of pointers, declarations, initialization, operations on pointers and their usage.
3) Able to define data types and use them in simple data processing applications also he/she must be able to use the concept of array of structures.
4) Student must be able to define union and enumeration user defined data types. Develop confidence for self education and ability for life-long learning needed for Computer language.
5) To understand how C++ improves C with object-oriented features.
6) To learn the syntax and semantics of the C++ programming language.
7) To learn how to design C++ classes for code reuse.
8) To understand the concept of data abstraction and encapsulation.
9) To learn how containment and inheritance promote code reuse in C++.

SEMESTER – III

RELATIONAL DATABASE MANAGEMENT SYSTEM

Course Code: DSC 303

Course Outcome:

1. Explain the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL.
2. Design ER-models to represent simple database application scenarios
3. Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data.
4. Improve the database design by normalization.
5. Familiar with basic database storage structures and access techniques: file and page organizations, indexing methods including B tree, and hashing.
6. Need for Distributed Database Systems , Structure of Distributed Database , Advantages and Disadvantages of DDBMS , Advantages of Data Distribution , Disadvantages of Data Distribution , Data Replication , Data Fragmentation and Client Server Databases.

SEMESTER – IV

WEB TECHNOLOGIES

Course Code: DSC 403

Course Outcome:

1) Students are able to develop a Static and dynamic webpage.
2) Form data sent from client, process it and store it on database data sent from client and store it on database.
3) Creating Java Script Programs
4) Explain the Events and Event handlers
5) Creating XML Document

SEMESTER – V

Excel Foundation

Course Code: DSC 506
Corse Outcome:

1) Examine spreadsheet concepts and explore the Microsoft Office Excel environment.
2) Create, open and view a workbook.
3) Save and print workbooks.
4) Enter and edit data.
5) Modify a worksheet and workbook.
6) Work with cell references.
7) Learn to use functions and formulas.
8) Create and edit charts and graphics.
9) Filter and sort table data.
10) Work with pivot tables and charts.
11) Import and export data.
12) Tables And Formatting
13) Excel Files & Templates
14) Printing the Work

SEMESTER – V

Web-Technologies

Course Code: DSE 508

Course Outcome:

1) Students are able to develop a Static and dynamic webpage.
2) Form data sent from client, process it and store it on database data sent from client and store it on database.
3) Creating Java Script Programs
4) Explain the Events and Event handlers
5) Creating XML Document

SEMESTER – VI

Subject: Computer Applications
E-COMMERCE

Course Code: DSE 607

Course Outcome:

1) Analyze the impact of E-commerce on business models and strategy.
2) Describe the major types of E-commerce.
3) Explain the process that should be followed in building an E-commerce presence.
4) Identify the key security threats in the E-commerce environment.
5) Describe how procurement and supply chains relate to B2B E-commerce.
6) Consumer Oriented E-Commerce Applications
7) Electric Data Interchange
8) E-Marketing techniques.

SEMESTER – VI

Subject: Computer Applications
BUSINESS ANALYTICS PROGRAMMING

Course Code: DSE 608

Course Outcome:

1) Students to know the MySql Installer, Download sample Database, Loading Sample Database, Structured Query Language, Data types.
2) Creating the tables, Joins , Constraints and Sub Queries.
3) Students learn the SAS, Installation of SAS university Edition, SAS architecture, Data Types, formats and informats, libraries, Importing external data, Reading and manipulating Data, functions, Data Transformations.
4) Installation of Anaconda Navigator, Data types – string, tuples, set, lists, dictionary, Arrays.
5) Installation of R studio, Vectors, Matrices, Data types, Importing files, Writing files, Merging Files, Data Manipulation and Data Cleaning, Functions.