Class-FYBBA(CA)Semester- I
Subject Name -: Modern Operating Environment & MS Office
Course Code -: 101

Topic:

Ch.1 Introduction to computer

Ch. 2 Structure and Working of Computer :

Ch. 3 Computer Memory :

Ch. 4 Computer Language and Software

Ch. 5 Operating System

Ch. 6 Networking :

Ch. 7 MS-OFFICE :

Objectives:

1. To learn the working knowledge of hardware and software of computer.
2. To learn the use of database such as Microsoft access.
3. To learn the various features of MS-Office.
4. To familiarize the students with the network devices and the internet.

Outcomes:

1. To Provide Basic Knowledge of Peripheral Devices.
2. To become aware about Basic Knowledge of System software & Application Software.
3. To learn Basic Knowledge of Wired And Wireless Media

Class-FYBBA(CA) Semester- I
Subject Name -: Financial Accounting
Course Code -:102

Topic:

Unit 1: **Introduction:**

Unit 2. **Conceptual Frame work:**

Unit 3. **Recording of transactions:**

Unit 4. **Preparation of final accounts:**

Unit 5: **Introduction to Company Final Accounts:**

Unit 6: **Accounting in Computerized Accounting**

Objectives:

1. To enable the students to acquire sound knowledge of basic concepts of accounting

2. To impart basic accounting knowledge

3. To impart the knowledge about recording of transactions and preparation of final accounts

4. To acquaint the students about accounting software packages

Outcomes:

1. Recognize and understand ethical issues related to the accounting profession.
2. Prepare financial statements in accordance with Generally Accepted Accounting Principles.
3. Employ critical thinking skills to analyze financial data as well as the effects of differing financial accounting methods on the financial statements.
4. Effectively define the needs of the various users of accounting data and demonstrate the ability to communicate such data effectively, as well as the ability to provide knowledgeable recommendations.
5. Recognize circumstances providing for increased exposure to fraud and define preventative internal control measures.
6. Demonstrate an understanding of current auditing standards and acceptable practices, as well as the impact of audit risk on the engagement.
7. Understand the audit process from the engagement planning stage through completion of the audit, as well as the rendering of an audit opinion via the various report options.
8. Apply cost accounting methods to evaluate and project business performance.
9. Demonstrate an understanding of the taxation of individual income.
10. Apply appropriate judgment derived from knowledge of accounting theory, to financial analysis and decision making.
11. The student will experience real-world learning and application of skills via their internship. Note: Specific outcomes will vary by assigned internship experience.

Class-FYBBA(CA) Semester- I
Subject Name -: Programming Principles & Algorithms
Course Code -:103

Topic:-

Ch.1 Introduction

Ch. 2 Simple Arithmetic Problems

Ch. 3 Recursion

Ch. 4 Algorithms using arrays

Ch. 5 Sorting and Searching

Objectives**:-**

1. To develop Analytical capabilities
2. To develop Logical Thinking capabilities
3. To develop Problem Solving capabilities

Outcomes:-

1. Students understood Basic Mathematical Concepts.
2. Students developed its Logical Thinking capabilities.
3. Students developed its Problem Solving capabilities

Class-FYBBA(CA) Semester- I
Subject Name -: Business Communication
Course Code -:104

Topic:

Unit 1Introduction to Communication.

Unit 2. Methods of Communication

Unit 3. Oral Communication

Unit 4. Business Correspondence

Unit 5: Information Technology for Communication

Unit 6: Job Seeking Skills

Objectives:

1. To understand the concept, process and importance of communication.

2. To develop an integrative approach where reading, writing, presentation skills are used together to enhance the students' ability to communicate and write effectively.

3. To create awareness among students about Methods and Media of communication.

4. To make students familiar with information technology and improve job seeking skills.

Outcomes:

1. Demonstrate critical and innovative thinking.
2. Display competence in oral, written, and visual communication.
3. Apply communication theories.
4. Show an understanding of opportunities in the field of communication.
5. Use current technology related to the communication field.
6. Respond effectively to cultural communication differences.
7. Communicate ethically.
8. Demonstrate positive group communication exchanges.

Class-FYBBA(CA) Semester- I
Subject Name -: Principles of Management
Course Code -:105

Topic- Unit 1. Nature of Management.

Unit 2.Evolution of Management Thought.

Unit 3.Functions of Management :Part-I.

Unit 4. Functions of Management :Part-II.

Unit 5.Strategic Management.

Unit 6.Recent Trends in Management.

Objectives-

1)To provide a basis of understand to the students with reference to working of business organization through the process of management.

2)On completion of the syllabus the student will understand the basic principles of management will acquaint himself with management process..

3)Student will also get the idea about new development in Management.

Outcomes –

1) Student have understood the working of business and process of management.

2) Student have applied concepts, basic principles, functions and new development in management.

3) Student have applied the concepts management in daily business minds.

Class-FYBBA(CA) Semester- II
Subject Name -: Procedure Oriented Programming Using C
Course Code -:201

Topic:

Unit 1: Introduction to C language

Unit 2: Managing I/O operations

Unit 3 Decision Making and looping

Unit 4: Functions and pointers

Unit 5: Arrays and Strings

Unit 6:Structures and union

Unit 7 : C Preprocessor

Unit 8: File handling

Objective:

The course is designed to provide complete knowledge of C language. Students will be able to develop logics which will help them to create programs, applications in C. Also by learning the basic programming constructs they can easily switch over to any other language in future.

Outcomes:

1. Solve the given problem using the syntactical structures of C language.
2. Develop, execute and document computerized solution for various problems using the features of C language.
3. To read and write C program that uses pointers, structures and files

Class-FYBBA(CA) Semester- II
Subject Name -: Database Management System
Course Code -:202

Topic:-

Ch.1 File Structure and Organization

Ch. 2 Database Management System

Ch. 3 Relational Model

Ch. 4 SQL (Structured Query Language)

Ch. 5 Relational Database Design

Objectives:-

1. Understand the role of a database management system in an organization.

2. Understand basic database concepts, including the structure and operation of the relational data model.

3. Construct simple and moderately advanced database queries using Structured Query Language (SQL).

4. Understand and successfully apply logical database design principles, including E-R diagrams and database normalization.

5. Understand the role of the database administrator.

Outcomes:-

1. Students understood **the role of a database management system in an organization.**
2. Students understood all basic database concepts, including the structure and operation of the relational data model.
3. Students understood to construct simple database queries using Structured Query Language (SQL).
4. Students understood logical database design principles, including E-R diagrams and database normalization.
5. Students understood the role of the database administrator

Class-FYBBA(CA) Semester- II
Subject Name -: Organizational Behaviour
Course Code -:203

Topic-

Unit 1. Fundamentals of Organizational Behaviour

Unit 2. Attitude Values and Motivation

Unit 3. Personality

Unit 4. Work Stress

Unit 5. Conflict in Organizations

Unit 6. Group Behaviour and Change in Organization

Objectives-
1) To equip the students to understand the impact that individual, group & structures have on their behaviour within the organizations.
2) To help them enhance and apply the knowledge they have received for the betterment of the organization.

Outcomes –

1) Student has understood the impact that individual, group & structures have on their behaviour within the organizations.

2) Student has enhance and apply the knowledge they have received for the betterment of the organization

Class-FYBBA(CA) Semester- II
Subject Name -: Computer Application in Statistics
Course Code -:204

Topic:

Unit 1. Introduction to statistical functions of Excel.

Unit 2. Methods of counting.

Unit 3. Elements of Probability Theory.

Unit 4. Standard Discrete Distributions.

Unit 5: Simulation Techniques

Objective:

1. To understand the power of excel spreadsheet in computing summary statistics.
2. To understand the concept of various measures of central tendency and variation and their importance in business.
3. To understand the concept of probability, probability distributions and simulations in business world and decision making.

Outcomes:

1. To understood the power of excel spreadsheet in computing summary statistics.
2. To understood the concept of various measures of central tendency and variation and their importance in business.
3. To understood the concept of probability, probability distributions and simulations in business world and decision making.

Class-FYBBA(CA) Semester- II
Subject Name -: E-Commerce Concepts
Course Code -:205

Topic:-

Ch.1 Introduction to Electronic Commerce

Ch. 2 Building own website

Ch. 3 Internet and Extranet

Ch. 4 Electronic payment System

Ch. 5 Technology Solution

Ch. 6 E-com Security

Objectives:-

1. Identify and describe the unique features of e-commerce technology
2. Discuss their business significance.
3. Describe the major types of e-commerce.
4. Discuss the origins and growth of e-commerce.
5. Understand the evolution of e-commerce from its early years to today.
6. Identify the factors that will define the future of e-commerce.
7. Describe the major themes underlying the study of e-commerce.
8. Identify the major academic disciplines contributing to e-commerce.

Outcomes:-

1. To know the concept of electronic commerce
2. To acquaint the students with concepts, issues and various aspects of e-commerce
3. To know the concept of Cyber Law & Cyber Jurisprudence
4. To know Internet marketing techniques.

Class-SYBBA(CA) Semester- III
Subject Name -: Relational Database Management System
Course Code -:301

Topic:-

Ch.1 Introduction to RDBMS

Ch. 2 PLSQL

Ch. 3 Transaction Management

Ch. 4 Concurrency Control

Ch. 5 Recovery System

Objectives:-

a) Enables students to understand relational database concepts and transaction management concepts in database system.
b) Enables student to write PL/SQL programs that use: procedure, function, package, cursor and trigger.

Outcomes:-

a. Students understood relational database concepts and transaction management Concepts in database system..
b. Students understood to write PL/SQL programs that use: procedure, function, package, cursor and trigger.

c) Gain a good understanding of the architecture and functioning of database management systems as well as associated tools and techniques, principles of data modeling using entity relationship and develop a good database design and normalization techniques to normalize a database.

d) Understand the use of structured query language and its syntax, transactions, database recovery and techniques.

Class:-SYBBA(CA) Semester- III
Subject Name -: Data Structures using C
Course Code -:302

Topic:

Unit 1: Basic Concept and Introduction to Data Structure

Unit 2 : 2 Searching and Sorting Techniques

Unit 3 : Linked List

Unit 4 : Stack and Queue

Unit 5: Trees

Unit 6 : Graphs

Objective:

1. To understand different methods of organising large amounts of data

2. To efficiently implement different data structure

3. To efficiently implement solution for different problems 4. To get more knowledge on C programming language

Outcomes:

1. To access how the choices of data structure & algorithm methods impact the performance of program.
2. To Solve problems based upon different data structure & also write programs.
   Choose an appropriate data structure for a particular problem.

Class:-SYBBA(CA) Semester- III
Subject Name -: Operating System Concepts
Course Code -:303

Topic:

Unit 1 Introduction to Operating System

Unit 2 System Structure

Unit 3 Process Management

Unit 4 CPU Scheduling

Unit 5 Process Synchronization

Unit 6 Deadlock

Unit 7 Memory Management

Unit 8 File System

Unit 9 I/O System

Objective:

1. To make students able to learn different types of operating systems along with concept of file systems and CPU scheduling algorithms used in operating system.
2. To provide students knowledge of memory management and deadlock handling algorithms.

At the end of the course, students will be able to implement various algorithms required for management, scheduling, allocation and communication used in operating system.

Outcomes:

1. Students understood type of operating system and installation of operating system.
2. Students got knowledge of memory management and deadlock handling algorithms.

Class:-SYBBA(CA) Semester- III

Subject Name -: Business Mathematics

Course Code -:304

Topic:

Unit 1 Ratio, Proportion and Percentage

Unit 2 Profit And Loss

Unit 3 Interest

Unit 4 Matrices And Determinants

Unit 5 Linear Programming problem (L.P.P.)

Unit 6 Transportation problem (T.P.)

Objective:

The purpose of this business mathematics course is to increase your math knowledge and skill as it applies to many aspects of business and to help make you a more valuable player in the business arena. Course Objectives: To provide college students with reinforcement of mathematical computations

Outcomes:

1. Students understood spreadsheet and its use.
2. Students understood concept of probability and permutation and combination.

Class:-SYBBA(CA) Semester- III

Subject Name -: Software Engineering

Course Code -:305

Topic:-

Ch.1 Introduction to System Concepts

Ch. 2 Requirement Analysis

Ch. 3 Introduction to Software Engineering

Ch. 4 Software Development Methodologies

Ch. 5 Analysis and Design Tools

Ch. 6 Structured System Design

Ch. 7 Software Testing

Course Objective:

This course enables students to understand system concepts and its application in Software development.

Outcomes:-

1. Carry out an evaluation and selection of projects against strategic, technical and economic criteria and use a variety of cost benefit evaluation techniques for choosing among competing project proposals. Approach project planning in an organized step by step manner and select an appropriate process model produce an activity plan for a project.
2. Identify project risks, monitor and track project deadlines and produce a work plan and resource schedule.
3. Plan the evaluation of a proposal or a product and manage people in software environments. Understand the importance of teamwork and quality management in software project management.
4. Apply these project management tools and techniques in a diversity of fields such as new product and process development, construction, information technology, health care, and applied research.

Class:-SYBBA(CA) Semester- IV

Subject Name -: OOP's using C++

Course Code -: 401

Topic:-

Ch.1 Introduction to C++

Ch. 2 Tokens, Expressions and Control structures

Ch. 3 Functions in C++

Ch. 4 Classes and Objects

Ch. 5 Inheritance

Ch. 6 Polymorphism

Ch. 7 Managing console I/O operations

Ch. 8 Working with Files

Ch. 9 Templates

Objectives:

1. Acquire an understanding of basic object-oriented concepts and the issues involved in Effective class design.
2. Enables student to write C++ programs that use: object-oriented concepts such as information hiding, constructors, destructors, inheritance.

Outcomes:-

1. Be able to understand the difference between object oriented programming and procedural oriented language and data types in C++.
2. Be able to program using C++ features such as composition of objects, Operator overloading, inheritance, Polymorphism etc.
3. At the end of the course students will able to simulate the problem in the subjects like Operating system, Computer networks and real world problems.

Class:-SYBBA(CA) Semester- IV
Subject Name -: Programming in Visual Basic
Course Code -: 402

Topic:-

Ch.1 Getting started with V. B.
Ch. 2 Constants, Variables, Operators, Control Structure, Looping & Array
Ch. 3 Working with Controls
Ch. 4 Working with ActiveX Controls & Menus
Ch. 5 Working With Database

Objectives:-

1. To learn properties and events, methods of controls and how to handle events of different
   Controls.
2. To understand the use of active controls and how to design VB application
3. To learn connectivity between VB and databases**.**

Outcomes:-

1. Students understood properties and events, methods of controls and how to handle events of different controls.
2. Students understood the use of active controls and how to design VB application.
3. Students understood connectivity between VB and databases.

Class:-SYBBA(CA) Semester- IV
Subject Name -: Computer Networking
Course Code -: 403

Topic:

Unit 1 Basics of Computer Networks

Unit 2 Network Models

Unit 3 Transmission Media

Unit 4 Wired and Wirless LANs

Unit 5 Network Connectivity Devices

Unit 6 Internet Basics

Objective:

1. To know about computer network.

2. To understand different topologies used in networking.

3. To learn different types of network.

4. To understanding the use of connecting device used in network.

Outcomes:

1. To explain how communication works in computer networks and to understand the basic terminology of computer networks
2. To explain the role of protocols in networking and to analyze the services and features of the various layers in the protocol stack.

To understand design issues in Network Security and to understand security threats, security services and mechanisms to counter them.

Class:-SYBBA(CA) Semester- IV
Subject Name -: Enterprise Resource Planning
Course Code -: 404

Topic- Unit 1. ERP: An Overview.

Unit 2.Enterprise Modeling and Integration for ERP.

Unit 3.ERP and Related Technologies.

Unit 4.ERP Implementation.

Unit 5. Technologies in ERP.

Unit 6.The ERP Domain.

Objectives-1) To know what is ERP.

2) To learn different ERP Technologies.

3) To learn the applications of ERP.

4) To learn the various concepts in ERP.

Outcomes –

1) Student have understood the concepts of ERP modeling and integration.

2) Student have applied concepts in daily life and ERP terms used for practical purposes.

3) Student have understood the technologies in ERP.

Class:-SYBBA(CA) Semester- IV
Subject Name -: Human Resource Management
Course Code -: 405

Topic:

Unit 1 : Introduction to H. R. M.

Unit 2 : Performance Appraisal, Training and development

Unit 3 : Wages and Salary Administration

Unit 4 : Grievance and discipline

Unit 5 : The E-HR

Objective:

To acquaint the students with the Human Resource Management its different functions in an organization and the Human Resource Processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization..

Outcomes:

explain the importance of human resources and their effective management in organizations
Demonstrate a basic understanding of different tools used in forecasting and planning human resource needs
Describe the meanings of terminology and tools used in managing employees effectively
Record governmental regulations affecting employees and employers
Analyze the key issues related to administering the human elements such as motivation, compensation, appraisal, career planning, diversity, ethics, and training

Class:-TYBBA(CA) Semester- V

Subject Name -: Java Programming

Course Code -: 501

Topic:-

Ch.1 .Introduction to Java

Ch.2.Object Oriented Programming Concept

Ch.3.Java Programming Fundamental

Ch.4.Classes and Objects

Ch.5.Arrays String and Vector

Ch.6.Abstract Class , Interface and Packages

Ch.7.Exception Handling

Ch.8.File Handling

Ch.9.Applet Programming

Ch.10.AWT and Event Handling

Ch.1 1.Introduction to Swing

Objectives:-

1. To learn the basic concept of Java Programming.
2. To understand how to use programming in day to day applications.

Outcomes:-

At the end of the course the participant will be able to:

- Implement object oriented programming concepts.
- Use and create package and interfaces in a Java program.
- Use graphical user interface in Java programs
- Create applets

Class:-TYBBA(CA) Semester- V
Subject Name -: Web Technologies
Course Code -: 502

Topic:

1 Web Essentials

2 Markup Languages

3 JAVA Script

5 Function and String in PHP

6 Arrays in PHP

Objective:

1. To know & understand concepts of internet programming.

2. To understand how to develop web based applications using PHP.

Outcomes:

1. Employ fundamental computer theory to basic programming techniques.
2. Use fundamental skills to maintain web server services required to host a website.
3. Select and apply markup languages for processing, identifying, and presenting of information in web pages.
4. Use scripting languages and web services to transfer data and add interactive components to web pages.

Class:-TYBBA(CA) Semester- V
Subject Name -: Dot Net Programming
Course Code -: 503

Topic:

Unit 1 : Introduction to .Net Framework

Unit 2 : Introduction to VB.Net

Unit 3 : Object Oriented Programming in VB .Net

Unit 4 : Architecture Of ADO.Net

Unit 5 : Crystal Report

Objective:

1. This will introduce visual programming and event driven programming practically.

2. This will enhance applications development skill of the student.

Outcomes:

1.students will able to design web applications using .NET

2. students will be able to use .NET controls in web applications.

3. students will be able to debug and deploy .NET web applications

4. students will be able to create database driven .NET web applications and web service

Class:-TYBBA(CA) Semester- V

Subject Name -: Object Oriented Software Engg.

Course Code -: 504

Topic:-

Ch.1 Object Oriented Concepts, Modeling and UML
Ch. 2 Basic and Advanced Structural Modeling
Ch. 3 Basic Behavioral and Architectural Modeling
Ch. 4 Object Oriented Analysis
Ch. 5 Object Oriented Design

Objectives:-

1. To Understand concept of system design using UML.
2. To understand system development through object oriented techniques**.**

Outcomes:-

1) Students understood the entire software engineering project process, which consists of object- oriented analysis, design, programming and testing.
2) Students understood basic object-oriented programming concepts.
3) Students understood an iterative, use case-driven process to the development of a robust design model
4) Students understood the UML to represent the design model.
5) Students understood to apply the OO concepts abstraction, encapsulation, inheritance, hierarchy, modularity, and polymorphism to the development of a robust design model.
6) Students understood Design and implement a software system using object-oriented software engineering paradigm.

Class:-TYBBA (CA) Semester- VI
Subject Name -: Advanced Web Technologies
Course Code -: 601

Topic:

1 Introduction to Object Oriented Programming in PHP

2 Web Techniques

3 Databases

4 XML

5 Web services

6 Ajax

Objective:

1. To know & understand concepts of internet programming.

2. To understand the concepts of XML and AJAX.

Outcomes:

1. Employ fundamental computer theory to basic programming techniques.
2. Use fundamental skills to maintain web server services required to host a website.
3. Select and apply markup languages for processing, identifying, and presenting of information in web pages.
4. Use scripting languages and web services to transfer data and add interactive components to web pages.

Class:-TYBBA (CA) Semester- VI

Subject Name -: Advanced Java

Course Code -: 602

Topic:-

Ch.1 .JDBC
Ch. 2. Multithreading
Ch. 3. Collection Framework
Ch. 4.Servlet
Ch. 5. RMI
Ch. 6.Introduction to JSP
Ch. 7. Java Beans

Objectives:-

1. To know the concept of Java Programming.
2. To understand how to use programming in day to day applications.
3. To develop programming logic.

Outcomes:-

1. understand, analyze and apply the role languages like HTML, CSS, XML, JavaScript and protocols in the workings of web and web applications.
2. understand about network and security programming using Java and know about the application of dynamic page functionality in web pages using CGI, Servlets, JSP, ASP.
3. create and communicate between client and server using Java and create a good, effective and dynamic website.

Class:-TYBBA (CA) Semester- VI

Subject Name -: Recent Trends in IT

Course Code -: 603

Topic:-

Ch.1 Software Process and Project Metrics, Analysis Concepts and Principles
Ch. 2 Distributed Databases
Ch. 3 Data Warehouse
Ch. 4 Network Security
Ch. 5 Computing and Informatics

Objectives:-

1. To introduce upcoming trends in Information technology.
2. To study Eco friendly software development.

Outcomes:-

1. By the end of this course student will have good knowledge of the issues and challenges faced while designing distributed database systems.
2. Students understood the fundamental principles and architecture of distributed database systems.
3. Familiar with the different methods and techniques distributed query processing.
4. Develop the understanding of choosing the optimized query execution plan for distributed queries.
5. Students understood the knowledge discovery and data mining
6. Students understood the terms vulnerability, threat and attack
7. Students understood the hardware, software, components of a network and the interrelations.
8. Students understood practice of using computing resources in an eco-friendly manner in order to tone down the environmental impacts of computing.
9. Students understood how to Reducing the energy consumption of computers

Class:-TYBBA (CA) Semester- VI
Subject Name -: Software Testing
Course Code -: 604

Topic:

1 Software Testing

2 Approaches to Testing - I

3 Testing for Specialized Environments

4 Software Testing Strategies &Software metrics

5 Specialized Testing & Testing Tools (Introduction)

Objective:

1. To know the concept of software testing.

2. To understand how to test bugs in software.

3. To develop programming logic.

Outcomes:

1. Understand the concept of reliability and access the difference between H/W & S/W reliability and evaluate different S/W engineering technologies.
2. Understand and anticipate the possible causes of failure and knowledge of how to prevent them.

Analyze and test a S/W system, when it is evolved to accommodate a set of change requirements such as adding new functionalities, bug fixing etc