

BBA(CA): COURSE OUTCOMES
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Semester I:

Business Communication

- Identify the importance of Effective Communication.
- Recognize the role of Communication in personal and business world.
- Interpret the systems and methods of Communication and their utility.
- Construct effective business messages and presentations both in internal or external business setups.
- Develop an ability to demonstrate workplace Etiquettes

Principle of Management

- Recognize the Nature and Significance of Management
- Identify the Contributions of Indian Management Ethos, Classical and Modern thinkers towards the field of Management.
- Recall the Principles and Functions of Management.
- Relate to the Trends in Management Practices.
- Interprets roles and skills required for Managerial jobs.

C Language

- Ability to understand the basics of computer programming languages.
- Ability to develop C programs on windows platform.
- Ability to analyze the problem and find the logical solution by using C language.
- Ability to remember various system defined function for string handling and I/O.
- Ability to create programs, applications in C language and use them in solving various problems.

Database Management System

- Ability to understand basic SQL queries.
- Ability to understand and gain knowledge of database concepts.
- Ability to design the database by using normalization concepts.
- Ability to apply SQL queries and solve the basic problems related to database.

Statistics

- Ability to determine, relate and evaluate the connections between theory and applications.
- Analyze, apply and experiment probabilistic foundations of statistical inference in business world and decision making.
- Ability to develop strong communication skills which are necessary to effectively collaborate as part of interdisciplinary teams including the ability to interpret and communicate the results of a statistical analysis through oral and written reports.
- Ability to define, validate, compose Simulation Models thus helping learner solve the Programming Problems in Operations Research.

Laboratory Course I:

- To create basic C program.
- To understand how to implement logic practically in C.
- To understand how to use Oracle as a database server.
- To create database and table in oracle.
- To develop an ability/skill for creations, manipulation of data in databases through queries

ADD-On (PPA):

- To analyze the problem and find the logical solution.
- To know the basics of programming.
- To understand how to use programming in day to day application.
- To develop Analytical / Logical thinking and Problem solving capabilities.

Semester II:

Organization Behavior & Human Resource Management

- Comprehend the behaviour of individuals and groups in Organizations and the key factors that influence Organisational Behaviour.
- Relate to the Trends in Organisational Behaviour and their relevance.
- Recognize the Opportunities and Challenges faced by Contemporary Organizations.
- Interpret Human Resource Management and its Significance.
- Recall the Traditional & Modern methods of Procurement and Development of Human Resource.

Financial Accounting

- Discuss the role of accounting in a business and explain different terminologies in accounting.
- Prepare of Primary Books of Accounts
- Compute value of assets after its wear and tear, using different methods.
- Demonstrate ability in Preparation of Financial Statements.
- Distinguish between Computerized Accounting and Manual Accounting.
- Illustrate accounts using technology

Business Mathematics

- Ability to demonstrate, determine and validate a given argument, and be able to construct mathematical proofs independently
- Ability to identify, prepare, analyze and execute mathematical tools in their careers.
- Ability to examine, analyze, formulate and solve linear systems/linear inequalities graphically/geometrically and algebraically (using matrices),
- Ability to explain the value of mathematical implementation in daily life and associating mathematical ideas to model/evaluate real-world problems.
- Ability to choose, develop, formulate and measure Linear Programming Models for shortest path, maximum flow, minimal spanning tree, critical path, minimum cost flow and transshipment problems.

Relational Database

- Ability to gain knowledge about PL/SQL scripts.
- Ability to understand relational database management concepts.
- Ability to apply their mind to various concurrency control techniques.
- Ability to understand and apply their mind in recovering the data from database.

Web Technology HTML-JS-CSS

- Ability to understand the structure of an HTML document, HTML elements and its attributes.
- Ability to create sample projects using HTML, CSS and JavaScript.
- Ability to apply their mind to create attractive web application.
- Ability to understand the use hyperlinks to connect various HTML pages together.
- Ability to develop various scripting language and use them with various technologies.

Laboratory course II

- To understand how to use different HTML tags.
- To understand how to use style sheets for designing web site
- To develop an ability/skill to use a script language
- To create interactive web site.
- To apply their mind to create queries.
- To evaluate different relationships between entities.

ADD-On (Advance C)

- To study advanced concepts of programming using the 'C' language.
- To understand code organization with complex data types and structures.
- To work with files
- To gain knowledge and understand the basics of graphics programming

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Semester III:

Digital Marketing

- Gain knowledge about using digital marketing in and as business.
- To analyze SWOT analysis, SEO optimization and use of various digital marketing tools..
- Develop marketing strategies using social networking sites.
- Analyze the various types of digital marketing types

Data Structure

- Recognize the concepts of ADTs
- Analyze the various linear data structures – lists, stacks, and queues
- Evaluate various sorting, searching and hashing algorithms
- Apply the concepts of Tree and Graph structure

Software Engineering

- Relate the concepts of System and types of system
- Analyze the Software Engineering concepts.
- Apply the applications of Software Engineering concepts and Design in Software development

PHP

- Identify how server-side programming works on the web.
- Apply PHP built-in functions and creating custom functions
- Apply POST and GET in form submission.
- Analyze how to process form submission data.
- Create, evaluate and process data in a MySQL database.

Big Data

- Identify and Recognize comprehensive platform for career development, innovation and further study.
- Develop expert knowledge and analytical skills in current and developing areas of analysis statistics, and machine learning.
- Identify, develop and apply detailed analytical, creative, problem solving skills.
- Create programs using R machine concepts.

Laboratory course based on Big Data, PHP and Data Structure

- Relate the concepts of ADTs
- Analyze the concepts of linear data structures – lists, stacks, and queues
- Apply sorting, searching and hashing algorithms
- Analyze how server-side programming works on the web.
- create and evaluate data in a MySQL database.
- Create programs using R machine

Environmental Awareness

- Identify and recognize the knowledge, values, attitudes, commitment and skills needed to protect and improve the environment.
- Discuss current scenario of environment.
- Develop consciousness towards a cleaner and better managed environment.
- Analyze various local environment aspects.

Semester IV:

Networking

- Acquire knowledge about Computer Networks concepts.
- Recognize working of networking models, addresses, transmission medias and connectivity devices.
- Acquire information about network security and cryptography.

OOP's concepts through C++

- Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design.
- Create programs using C++ features like operator overloading,
- Analyse and apply the concepts of constructor and destructor, inheritance, polymorphism and exception handling.

Operating System

- Identify the services provided by Operating System
- Recognize the scheduling concept
- Discuss design issues related to memory management and various related algorithms.

- Discuss design issues related to File management and various related algorithms

Advance PHP

- Relate the concepts of internet programming.
- Describe how server-side programming works on the web.
- Discuss use PHP Framework (Joomla / Druple)

Project

- Improve innovation, creative and design thinking among student community
- Apply computer technologies in various situations by learning requirement analysis and interaction with real clients.
- Gain knowledge, remember and apply various aspects of SDLC through practical orientation.

Computer Laboratory based on Advance PHP and OOP's through C++

- Create programs using C++ features like operator overloading,
- Apply the concepts of constructor and destructor, inheritance, polymorphism and exception handling.
- Relate the concepts of internet programming.
- Create websites using PHP

ADD-ON (jQuery)

- Relate the concepts of JavaScript and jQuery.
- Discuss the working of binding events to the controls in JavaScript.
- Learn how to download jQuery library and refer it to the Html page.
- Discuss Traversing of Html elements.
- Describe the handling of different events for different Controls.

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Semester V:

Cyber Security

- State the fundamentals of cyber security
- Identify and describe the various categories of Cybercrime, Cyber-attacks on mobile, tools and techniques used in Cybercrime and case studies
- Discuss the concepts of Cyber laws and Cyber forensics
- Relate Cyber Security and the Tools
- Identify the different types of Cyber Crimes

Object Oriented Software Engineering

- Recognize the fundamentals of object modeling
- Relate and Differentiate Unified process from other approaches
- Design static and dynamic UML diagrams
- Test the software against its requirement specification
- Acquire Project management skills

Core Java

- Understand the basics of OOP techniques
- Solve problems using java collection framework and I/O classes
- Develop multithreaded applications with synchronization
- Design GUI based applications

Python

- Identify and recognize Python programming basics and paradigm.
- Relate and identify python looping, control statements and string manipulations.
- Design and manipulate the concepts of GUI controls and applications.
- Analyze and apply the concepts of file handling, exception handling.

Project

- Improve innovation, creative and design thinking among student community
- Apply computer technologies in various situations by learning requirement analysis and interaction with real clients.
- Acquire knowledge, remember and apply various aspects of SDLC through practical orientation.

Computer Laboratory based on Core Java and Python

- Identify and recognize Python programming basics and paradigm.
- Relate and identify python looping, control statements and string manipulations.
- Design and manipulate the concepts of GUI controls and applications.
- Solve problems using JAVA collections framework and input out classes.
- Design GUI based applications using JAVA.
- Develop Applets for web applications.

ADD-ON (IOT)

- Explain technologies ,smart objects, IoT Architecture and security in Internet of things
- Illustrate the role of IoT protocols for efficient network communication
- Recognize IoT platform such as Arduino Uno
- Describe smart objects and IoT Architecture.

Semester VI:**Recent trends in IT**

- Introduce upcoming trends in Information technology
- Study Eco friendly software development concepts
- Generalize the fundamental concepts of Artificial Intelligence
- Evaluate the performance of various data mining task
- Recognize and identify Data analytics using Spark Programming

Software Testing

- Introduce to testing tools.
- Gain knowledge in Software testing techniques.

- Design test case plan for testing software.
- Acquire knowledge of basic QA.

Advance Java

- Relate and gain knowledge of JDBC architecture.
- Analyze servlet and JSP to solve the complete problems.
- Illustrate concepts of Multithreading and Socket programming.
- Develop applications in Spring and hibernate.

Dot Net Framework

- Use the features of Dot Net Framework along with the features of VB, C# and ASP
- Design and develop window based and web based .NET applications
- Design and develop a Website
- Design and Implement database connectivity using ADO.NET for VB, C# and ASP

Project

- Improve innovation, creative and design thinking among student community
- Apply computer technologies in various situations by learning requirement analysis and interaction with real clients.
- Acquire knowledge, remember and apply various aspects of SDLC through practical orientation.

Computer Laboratory based on Advance Java and Dot Net Framework

- Identify the concepts of JDBC programming
- Illustrate the concepts of Servlet and JSP
- Demonstrate the concepts of Multithreading and socket programming
- Develop the applications of Spring and Hypernet
- Design and develop window based and web based .NET applications.
- Design and Implement database connectivity using ADO.NET for VB, C# and ASP.