

PROGRAM OUTCOME:

PO1	To Develop industry-ready human resources.
PO2	To bring the spirit of entrepreneurship
PO3	To import practical skills among students.
PO4	To Acquire practical skills and hands-on experience on emerging technologies like Java, Web designing, Android, Python, IOT, PHP and Data Science.
PO5	Acquiring knowledge in basic management skills and business applications

PROGRAM SPECIFIC OUTCOME:

PSO1	Ability to correlate theory and practical knowledge in applications.
PSO2	Become employable in various public and private sectors.
PSO3	Blend analytical, logical, and managerial skills with technical aspects to resolve real-world issues.

Course Outcome

Course Title: CA-101 Business Communication

Course Outcomes:

- Ability to acquire basics of communication skills.
- Understand the importance of communication and soft skills in IT.
- Ability to improve proficiency in business letter writing and overall business ethics.

Course Title: CA-102 Principle of

Management Course Outcomes:

- Gain knowledge on organizational business administration skills.
- Understand knowledge of various management principles.
- Gain proficiency in team work and team building.
- Develop managerial skills among the students.

Course Title: CA-103 C Language

Course Outcomes:

- Ability to improve logical thinking through practical knowledge of C Programming.
- Able to develop logic for writing programs using Control Structures, Arrays, and Functions.
- Able to develop small real-life applications using C.

Course Title: CA-104 Database Management System

Course Outcomes:

- Able to gain knowledge of creation, manipulation and querying of data in databases.
- Able to normalize the database design.
- Able to develop an E-R model based on user requirements.
- Ability to obtain the basic knowledge of Database Management Systems.
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Course Title: CA-105

Statistics Course Outcomes:

- Acquire knowledge of the role and importance of statistics in various business situations.
- Gain knowledge related to basic statistical techniques.
- Develop the right understanding regarding regression, correlation and data interpretation.

Course Title: CA-106 Computer Laboratory based on CA-103 and CA-104

Course Outcomes:

- Ability to develop and implement computer programs using C Language.
- Able to create and manipulate databases using SQL.
- Understand how to write, debug and execute simple programs in C.

Course Title: 107 Principles of Programming and

Algorithm Course Outcomes:

- Improve the ability of students in analytical and logical thinking.
- Students will be able to apply a systematic way of solving a specific problem using tools such as algorithms and flowcharts.
- Explore algorithmic approaches to problem-solving.

Semester-II

Course Title: CA-201 Organization Behavior and Human Resource Management

Course Outcomes:

- Ability to develop strategies for organizational change and development.
- Able to make aware students of traditional & modern methods of procurement & development in the organization.
- Able to explore the major trends in HRM & OB.

Course Title: CA-202 Financial Accounting

Course Outcomes:

- Ability to develop skills for basic accounting.
- The course will impart knowledge on transaction management and record-keeping.
- Cultivate the right approach towards classifications of different transactions and their implications.
- Develop proficiency in the preparation of basic financial and accounting statements.

Course Title: CA-203 Business Mathematics

Course Outcomes:

- Ability to analyze and interpret mathematical results.
- To understand the role and importance of Mathematics in various business situations and while developing software.

Course Title: CA-204 Relational

Database Course Outcomes:

- Able to acquire a good formal foundation on the relational model of data and usage of Relational Databases.
- Able to use advanced database Programming concepts.
- Enables the student to write PL/SQL programs that use procedure, function, package, cursor and trigger.

Course Title: CA-205 Web Technology HTML-JavaScript-CSS

Course Outcomes:

- Ability to design more attractive Web pages using CSS.
- Ability to develop interactive websites using JavaScript.
- Understand how to develop web-based applications using JavaScript.

Course Title: CA-206 Computer Laboratory Based on 204 and 205

Course Outcomes:

- Able to manage relational databases using SQL.
- Ability to write simple and nested queries using SQL.
- Ability to write PL/SQL programs that uses procedure, function, package, cursor, and trigger.
- Ability to design web pages using HTML, CSS and Javascript

Course Title: 207 Advance

Course Outcomes:

- Develop modular programs using Functions, structures and pointers.
- Ability to develop mini projects using C.
- Able to use advanced concepts of C for writing C programs.

Semester-III

Course Title: (CA-301) Digital

Marketing Course Outcomes:

- Familiarity with working of E-Commerce and understand B-B, C-B, C-C relationship.
- Able to understand the basics of SEO (Search Engine Optimization) and better understanding between Digital and Real Marketing.
- Understanding of Digital Marketing types and gaining practical knowledge of its usage through the Internet, Social Media and Mobile, Email.
- Designing effective content for digital marketing using various Digital Marketing tools.
- Developing an effective marketing strategy using CRM.

Course Title: (CA-302) Data

Structure Course Outcomes:

- Able to understand the concepts of ADTs.
- Develop skills in the implementation and application of different types of data structures.
- To understand basic algorithms related to sorting, searching and hashing.
- To understand the concept of different memory allocation techniques.
- Apply algorithm and data structure in various real-life software problems.

Course Title: (CA-303) Software

Engineering Course Outcomes:

- Able to understand concepts of Systems and their types.
- Able to understand software engineering concepts and their applications.
- Develop the ability to gain knowledge of the SDLC process.
- Ability to understand the concept of Re-Engineering and Reverse Engineering.
- Knowledge of different types of software development models such as waterfall, spiral, and prototyping.
- Understand the concept of testing and its types.

Course Title: (CA-304)

PHP Course Outcomes:

- Ability to develop interactive data-driven dynamic websites.
- Understand how server-side programming works on the web.
- To understand Session and Cookie concept.
- To implement database connectivity.

Course Title: (CA-304) Angular JS

Course Outcomes:

- Empower students to create a web application that depends on Client-Side MVC & SPA.
- To study the use of various AngularJS Components.
- Ability to understand the concepts of Javascript and its implementation.
- Create and bind controllers with Javascript and apply the filter in the Angular JS application.

Course Title: (CA-305) Big

Data Course Outcomes:

- Able to understand the basic techniques such as R programming that form the foundations of Big Data.
- Ability to acquire knowledge in specialized aspects of big data including big data applications and big data analytics.
- To understand the building blocks of Big Data and specialized aspects of big data with the help of different big data applications.
- Explore the area of specialization in Data Science and be able to represent the analytical aspects of Big Data.
- Able to summarize data using exploratory data analysis and visualization using graphs.

Course Title: (CA-305) Block chain

Course Outcomes:

- Understand what and why of Block chain.
- Explore the major components of Block chain.
- Learn about Bit coin, Crypto currency and Ethereum.
- Deploy and exercise example smart contracts.
- Identify a use case for a Block chain application.
- Create your Block chain network application.

Semester-IV

Course Title: (CA-401)

Networking Course Outcomes:

- Obtain knowledge about Computer Network concepts.
- Gain Knowledge about working of networking models, addresses, transmission media and Connectivity devices.
- To acquire information about network security and cryptography.

Course Title: (CA-402) Object-Oriented Concepts through

CPP Course Outcomes:

- Acquire an understanding of basic object-oriented concepts and the issues involved in ineffective class design.
- Develop programming skills using C++ features.
- Able to use various object-oriented concepts used to solve real-life problems.
- Implement different concepts of file handling and exception handling.

Course Title: (CA-403) Operating

System Course Outcomes:

- Understand fundamental operating system abstraction such as process, semaphore, threads etc.
- To know the services provided by Operating System.
- Analyze process scheduling, CPU Scheduling, and memory management algorithms.
- To understand design issues related to file management and various related algorithms.

Course Title: (CA-404) Node - JS

Course Outcomes:

- Understand the JavaScript and technical concepts behind Node JS.
- Structure a Node application in modules.
- Understand and use the Event Emitter, Buffers, Streams and Pipes.
- Build a Web Server in Node and understand how it works.
- Ability to understand how to connect with SQL or Mongo database in Node.

Course Title: (CA-404) Advance

PHPCourse Outcomes:

- To know & understand concepts of internet programming.
- Understand how server-side programming works on the web.
- Able to understand how to use PHP Frameworks like (Joomla / Drupal)

Course Title: (CA-407)

JqueryCourse Outcomes:

- To get hands-on experience on JavaScript and jQuery.
- Gain knowledge on how to work with binding events in JavaScript.
- To learn how to download the jQuery library refer to the Html page.
- To learn selecting, traversing the Html elements by name, attribute name, id, or bycontent.
- To learn how to provide effects to the elements or sections in the Html page.
- To learn manipulating elements by adding CSS classes dynamically.

Semester - V

Course Title: - : CA-501 Cyber

SecurityCourse Outcomes:

- Have a good understanding of Cyber Security and the Tools.
- To acquire basic information on Cyber Security and Cybercrime.
- Have a good understanding of Cyber laws.
- To develop Cyber forensics awareness.
- Identify attacks, security policies and credit card frauds in the mobile and WirelessComputing Era.

Course Title: CA-502 Object-Oriented Software

Engineering Course Outcomes:

- Able to give Design Specifications for Project.
- Acquire Knowledge in Basic Modeling.
- Ability to acquire Project Management Skills.
- Able to understand the fundamentals of object modeling
- Design different UML diagrams.
- Improve the software design with design patterns.
- To test the software against its requirements specification.

Course Title: CA-503 Core

Java Course Outcomes:

- Able to solve real-world problems using OOP techniques.
- Able to solve problems using java collection framework and I/O classes
- Develop applets for web applications.
- Design GUI-based applications.
- Ability to understand the use of file concepts.

Course Title: CA-504 MongoDB

Course Outcomes:

- Ability to work with MongoDB shell and MongoDB tools.
- Able to do Schema design, Data modeling, and all sorts of CRUD Operations.
- Able to apply various techniques to optimize query performance.
- Analyze the data stored in MongoDB.

Course Title: CA-505 Python

Course Outcomes:

- Understand the need and importance of Python language.
- Able to learn how to design and implement Python applications.
- Design and implement a program to solve a real-world problem
- Design and implement GUI application
- Gain knowledge of handling the concepts of exceptions and files.

Course Title: - 505 (DSE)

Project Course Outcomes:

- Undertake problem identification, formulation and solution.
- Understand project characteristics and various stages of project development.
- Design solutions to complex problems.
- Gain a sound technical knowledge of selected project development platforms.
- Develop and enhance coding skills.

Course Title: -506 Computer Laboratories Based on (503 and 504) (2 credits each) Course Outcomes:

- Define and demonstrate the use of GUI Programming concepts.
- Design and implement a program to solve a real-world problem.
- Design and implement classes and methods.
- Implementation of exception handling using packages.
- Define and demonstrate web-based applet applications.

Course Title: - CA-507 Internet of Things (IoT) Course Outcomes:

- To explain key technologies, smart objects, IoT Architecture, and security in the Internet of Things.
- To illustrate the role of IoT protocols for efficient network communication.
- To understand IoT platforms such as Arduino Uno.

Semester -VI

Course Title: - CA-601 Recent Trends in IT Course Outcomes:

- Able to understand basic concepts of AI.
- To apply basic, intermediate and advanced techniques to mine the data.
- To provide an overview of the concept of Spark programming.

Course Title: CA-602 Software

Testing Course Outcome:

- Acquire knowledge of testing tools.
- Understand the basic concepts of SQA.
- Able to design and implement the basic Test Cases.

Course Title: - CA-603 Advanced

Java Course Outcomes:

- Able to understand the concepts of JDBC Programming, Multithreading and Socket Programming.
- Ability to understand the concepts of spring and Hibernate, JSP and JDBC.
- Develop applications in spring and hibernate.
- Design website by using JDBC and JSP.
- Develop different types of Servlet applications.

Course Title: - CA-604 Android

Programming Course Outcomes:

- Able to write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more.
- Demonstrate their understanding of the fundamentals of Android operating systems.
- Demonstrate their skills in using Android software development tools.

Course Title: - CA-604 Dot Net

Framework Course Outcomes:

- Understand the features of Dot Net Framework, 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.

Course Title: - 605 (DSE)

Project Course Outcomes:

- Acquire Project development and management skills.
- Able to implement design and coding techniques.
- Students will be able to apply test cases and testing techniques in the project.

Course Title: 606 Computer Laboratory Based on 603 and 604

Course Outcomes:

- Ability to develop different types of chatting applications by using Socket programming.
- Able to develop and design different types of websites.
- Able to develop the project by using spring and Hibernate.
- To Understand Applications of widgets and components.

Course Title: - CA-607 Soft Skill

Course Outcomes:

- Understand the significance and essence of a wide range of soft skills.
- Learn how to apply soft skills in the social and professional areas.
- Learn how to implement soft skills to improve interpersonal relationships.
- Learn how to employ soft skills to enhance employability and ensure workplace and career success.

