

Department of Computer Application (BBA. CA)

Programme Outcomes

Upon completion of the B.B.A (CA) Degree Programme the graduate will be able to -

PO1: The BBA (CA) Programme provides sound academic base to develop an advanced career in Computer Application with various Management and Business skills.

PO2: This course focuses on conceptual grounding of computer usage as well as its practical Business Application.

PO3: This course nurtures good Soft Skills and Managerial Skill in the students which create noble IT Professionals

PO4: To make industry ready resource.

PO5: Students get excellent exposure to learn the process of software development in the Vth and VIth semester by developing their own projects which helps them in campus placement.

PO6: This course inculcates basic programming ability amongst students which can help them to become a good programmer.

Department of Computer Application (BBA. CA) Programme Specific Outcomes

Upon completion of these courses the student would -

PSO1: The focus of BBA CA Programmer (CBCS-2019 Pattern) has always been raising the academic standards, excellence and holistic development of students

PSO2: Students should be able to apply modern practices and strategies in software project development using open-ended programming environments to deliver quality product for business success in context with societal needs.

PSO3: An ability to gain knowledge on design and control strategy; techniques to secure information and adapt to the fast-changing world of information technology needs.

PSO4: Design and develop Web and Mobile based computer applications

PSO5: An ability to use and develop cloud software, administrative features, infrastructure services and architectural patterns; ethical hacking and forensic security technologies.

PSO6: To expose the students to the basic concepts of information Technology.

PSO7: To understand the importance of database management and using it purposefully.

PSO8: To make students understand software engineering methodologies which constitute framework including planning analysis design and maintenance?

PSO9: The projects made by the students give them better understanding of the subject.

PSO10: To understand and make use of the programming languages easily and use it purposefully

Department of Computer Application (BBA. CA)

Course Outcomes

First Year		
Semester – I		
Course Name	Code	Course Outcome
Business Communication Skills	CA-101	<ul style="list-style-type: none"> ➤ To understand what is the role of communication in personal and business world. ➤ To understand system and communication and their utility. ➤ Students can utilize the modern means of communication in their daily life.
Principles of Management	CA-102	<ul style="list-style-type: none"> ➤ To understand basic concept regarding organization. ➤ To examining how various management principles. ➤ Students are familiar about recent trends of management.
C- Programming	CA-103	<ul style="list-style-type: none"> ➤ To study basic concepts of programming using the ‘C’ Language. ➤ Students are able to solve problem by analyzing and converting logical thinking to computer understandable format using C Programming.
Database Management Systems	CA-104	<ul style="list-style-type: none"> ➤ Students understand basic database concepts in database system. ➤ Students are able to write SQL queries and do database connectivity with any front-end platform.
Business Statistics	CA-105	<ul style="list-style-type: none"> ➤ To understand role and importance of statistics in various business situations. ➤ To develop skills related with basic statistical technique. ➤ Develop right understanding regarding regression, correlation and data interpretation.
Computer Laboratory Based on 103 &104	CA-106	<ul style="list-style-type: none"> ➤ Students are able to write programs in C Programming and make their own databases using Oracle.
Add-On - PPA	CA-107	<ul style="list-style-type: none"> ➤ Students are able to find solution of problems using Problem Solving Techniques. ➤ Students will be able to write their own algorithms. ➤ Students learn Basic idea of programming.

Semester - II

Course Name	Code	Course Outcome
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Organization Behavior & Human Resource Management	CA – 201	<ul style="list-style-type: none"> ➤ Students enhance and apply the knowledge they have received for the betterment of the organization. ➤ Students are understood the importance of Human resource management. ➤ Students are aware about different functions of HRM.
Financial Accounting	CA – 202	<ul style="list-style-type: none"> ➤ Student acquired sound knowledge of basic concepts of accounting. ➤ Students are practicing software package in their day today life. ➤ To develop proficiency preparation of basic financial as to how to write basis accounting statement.
Business Mathematics	CA - 203	<ul style="list-style-type: none"> ➤ Students understand the nature of mathematics and are able to use mathematical concepts in business and their day-to-day life. ➤ To develop skills related with basic mathematical technique.
Relational database management System	CA - 204	<ul style="list-style-type: none"> ➤ Enables students to understand relational database concepts. Enables students to understand transaction management concepts in database system. ➤ Students are able to write PL/SQL programs that use: procedure, function, package, cursor and trigger
Web Technology HTML-JS-CSS	CA - 205	<ul style="list-style-type: none"> ➤ Students will be aware of web technology. ➤ Student will able to design website user interface. client communicative web site.
Computer Laboratory Based on 204 & 205	CA - 206	<ul style="list-style-type: none"> ➤ Students understand how data of different types can be handled / accessed using different structures using HTML. ➤ Students also learn how to access data of oracle using PL/SQL programs that use: procedure, function, package, cursor and trigger.
Add On - Advance C	CA - 207	<ul style="list-style-type: none"> ➤ To study advanced concepts of programming using the ‘C’ Language. ➤ Students will be able to design their own program to solve mathematical problems using C Programming ➤ To work with files.

Second Year**Semester - III**

Course Name	Code	Course Outcome
Digital Marketing	CA - 301	<ul style="list-style-type: none">➤ The aim of this syllabus is to give knowledge about using digital marketing in and as business.➤ To make SWOT analysis, SEO optimization and use of various digital marketing tools.
Data Structure	CA - 302	<ul style="list-style-type: none">➤ This course helps the students to understand different methods of organizing large amounts of data in C programming.➤ Students get the basic idea of how computer actually processes the data using data structures internally.
Software Engineering	CA - 303	<ul style="list-style-type: none">➤ Students will able to know the actual procedure and methods follows in industry while software development.➤ Students Learned Soft. Development Strategies, Software quality Testing, validation etc.
PHP	CA - 304	<ul style="list-style-type: none">➤ Student will help to understand how server-side programming works on the web.➤ Using PHP built-in functions and creating custom functions➤ Understanding POST and GET in form submission.➤ How to receive and process form submission data.➤ Read and process data in a MySQL database.
Big Data	CA - 305	<ul style="list-style-type: none">➤ To enable learners to develop expert knowledge and analytical skills in current and developing areas of analysis statistics, and machine learning➤ To enable the learner to identify, develop and apply detailed analytical, creative, problem-solving skills.➤ Provide the learner with a comprehensive platform for career development, innovation and further study.
Computer Laboratory Based on 302, 304 and 305	CA - 306	<ul style="list-style-type: none">➤ Students understand how data of different types can be handled / accessed using different data structures using C Programming.➤ Students also learn how to access data Using Big Data.
Add On-Basic Course in Environmental Awareness	CA - 307	<ul style="list-style-type: none">➤ To provide an opportunity to acquire the knowledge, values, attitudes, commitment, and skills needed to protect and improve the environment➤ To develop conscious towards a cleaner and better managed environment.

Semester - IV

Course Name	Code	Course Outcome
Networking	CA - 401	<ul style="list-style-type: none"> ➤ To gain knowledge about Computer Networks concepts. ➤ To know about working of networking models, addresses, transmission medias and connectivity devices. ➤ To acquire information about network security and cryptography.
Object Oriented Programming with CPP	CA - 402	<ul style="list-style-type: none"> ➤ Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design. ➤ Enable students to write programs using C++ features like operator overloading, constructor and destructor, inheritance, polymorphism and exception handling.
Operating System	CA - 403	<ul style="list-style-type: none"> ➤ To know the services provided by Operating System. ➤ To know the scheduling concept. To understand design issues related to memory management and various related algorithms.
Advance PHP	CA - 404	<ul style="list-style-type: none"> ➤ To know & understand concepts of internet programming. ➤ Understand how server-side programming works on the web. ➤ Understanding How to use PHP Framework (Joomla / Druple).
Project	CA - 405	<ul style="list-style-type: none"> ➤ Students get the basic idea of how problems can be solved using programming by developing software. ➤ They are able to develop small scale applications by their own which helps them to understand the process of software development.
Computer Laboratory Based on 402 and 404	CA - 406	<ul style="list-style-type: none"> ➤ To assess the knowledge of student in CPP and Adv. PHP. ➤ To acquire knowledge on writing computer programs using concept of CPP and Adv. PHP. ➤ To create and manage Applications using CPP and Adv. PHP
Add On-J-Query	CA - 407	<ul style="list-style-type: none"> ➤ To learn hands-on experience on JavaScript and J-Query and how to work with binding events to the controls in JavaScript. ➤ To learn how to download J-Query library and refer it to the Html page and the importance of \$(document).ready (function () { }); ➤ To learn selecting the Html elements by name, attribute name, id or by content and Traversing of Html elements. ➤ Learn to handle different events for different Controls and how to provide effects to the elements or sections in the Html page.

Semester - V

Course Name	Code	Course Outcome
Cyber Security	CA - 501	<ul style="list-style-type: none">➤ Have a good understanding of Cyber Security and the Tools.➤ Identify the different types of Cyber Crimes.➤ Have a good understanding of Cyber laws➤ To develop Cyber forensics awareness.➤ Identify attacks, security policies and credit card frauds in mobile and Wireless Computing Era. Unit T
Object Oriented Software Engineering	CA - 502	<ul style="list-style-type: none">➤ Students will be able to give Design Specifications for Project.➤ Students will acquire Knowledge in Basic Modeling.➤ Students will acquire Project Management Skills
Core Java	CA - 503	<ul style="list-style-type: none">➤ Able to solve real world problems using OOP techniques.➤ Able to understand the use of abstract classes.➤ Able to solve problems using java collection framework and I/o classes. Able to develop multithreaded applications with synchronization.➤ Able to develop applets for web applications.➤ Able to design GUI based applications
Python	CA - 504	<ul style="list-style-type: none">➤ Define and demonstrate the use of built-in data structures “lists” and “dictionary”.➤ Design and implement a program to solve a real-world problem.➤ Design and implement GUI application and how to handle exceptions and files.
Project	CA - 505	<ul style="list-style-type: none">➤ To understand concepts of Project Management.➤ To know how various tools for development and management of software projects are used to carry out various tasks involved.➤ To learn the importance of project documentation.
Computer Laboratory Based on 503 and 504	CA - 506	<ul style="list-style-type: none">➤ Write programs using features supported using Java and Python
Add On- Internet of Things (IoT)	CA - 507	<ul style="list-style-type: none">➤ To explain key technologies, IoT Architecture and security in Internet of Things.➤ To illustrate the role of IoT protocols for efficient network communication.➤ To understand IoT platform such as Arduino Uno.

Semester - VI

Course Name	Code	Course Outcome
Recent Trends in IT	CA - 601	<ul style="list-style-type: none"> ➤ To discuss the basic concepts AI. ➤ To apply basic, intermediate and advanced techniques to mine the data. ➤ To provide an overview of the concept of Spark programming.
Software Testing	CA - 602	<ul style="list-style-type: none"> ➤ Course Outcomes Knowledge Level. Students will be introduced to testing tools. ➤ Students will acquire Knowledge of Basic SQA. Students will be able to design basic Test Cases.
Advanced Java	CA - 603	<ul style="list-style-type: none"> ➤ Students will know the concepts of JDBC Programming. ➤ Students will know the concepts of Multithreading and Socket Programming. ➤ Students will know the concepts of Spring and Hibernate. ➤ Students will develop the project by using JSP and JDBC. Students will develop applications in Spring and hibernate.
Dot Net Framework	CA - 604	<ul style="list-style-type: none"> ➤ Students will be able to understand .NET technologies, basics of design, development of .NET based web technologies. ➤ Students will able to be a .NET Developer.
Project	CA - 605	<ul style="list-style-type: none"> ➤ Students can express their ideas clearly and effectively, both verbally and in written form. ➤ Students can work as a team to achieve common goals. ➤ Students are able to make links across different areas of knowledge and to generate, develop and evaluate ideas and information related to the project. ➤ Students are able to learn on their own, reflect on their learning and improve upon it.
Computer Laboratory Based on 603 and 604	CA - 606	<ul style="list-style-type: none"> ➤ Course Outcomes Knowledge Level To assess the knowledge of student in Dot Net and Advance Java. ➤ To acquire knowledge on writing computer programs using concept of Dot Net and Advance Java. ➤ To create and manage Applications using Dot Net and Advance Java.
Add On-Soft Skill	CA - 607	<ul style="list-style-type: none"> ➤ Understand the significance and essence of a wide range of soft skills Learn how to apply soft skills in a wide range of routine social and professional settings. ➤ Learn how to employ soft skills to improve interpersonal relationships. Learn how to employ soft skills to enhance employability and ensure workplace and career success.