**Department of B.C.A.**

|  |
| --- |
|  **Programme Outcome**B.C.A. Programme Students After successfully completing will have  |
| PO 1 | The main objective of the course is to develop different software development skills in the students with current trends in IT industry. |
| PO 2 | There is a huge scope after completion of BCA course, one can do job, or can go higher studies & self employment option is available. |
| PO 3 | After completion of BCA Course the student can work as system Engineer, Junior programmer, Web developer or System Administrator. |
| PO 4 | To provide thorough understanding of nature, scope and application of computer and computer languages  |
| PO 5 | To develop interdisciplinary approach among the students  |
| **Programme Specific Outcomes**After completing B.C. A. students will have |
| PSO 1 |  To pursue further studies to get specialization in Computer Science and Applications, Economics, Mathematics, business administration |
| PSO 2 | To pursue the career in corporate sector can opt for MBA and MCA  |
| PSO 3 | To Work in the IT sector as programmer, system engineer, software tester, junior programmer, web developer, system administrator, software developer etc.  |
| PSO 4 | To work in public sector undertakings and Government organization |
| PSO 5 | For teaching in Schools and Colleges. |
| **Course Outcomes**After successfully completing this course, students will be able to  |
| **B C A -I**Introduction to Programming – C. |  CO.1 In-depth understanding of various concepts of C language.CO.2 Ability to read, understand and trace the execution of programs. CO.3 Skill to debug a program CO.4 Skill to write program code in C to solve real world problems. CO.5 To enable the students to make flowchart and design an algorithm for a given problem. CO. 6 To enable the students to develop logics and programs.  |
| **B C A -I** Office Management AndCommunications | CO.1 Reading Skills:- Ability to read English with ability to read English with understanding and decipher paragraph patterns, writer techniques and conclusionsCO.2 Writing Skills:- Skill to develop the ability to write English correctly and master the mechanics of writing the use of correct punctuation marks and capital letter. CO.3 Listening Skills: - Ability to understand English when it is spoken in various contexts. CO. 4 Speaking Skills: - Develop the ability to speak intelligibly using appropriate word stress, sentence stress and elementary intonation patterns..  |
| **B C A -I**Fundamental Of Computer | -CO.1 To understand Concept of Computer system basics.CO.2 To describe organization & operation of Computer processor,primary/secondary memory,peripherial devices.CO.3 To understand need & working of operating system. |
| **B C A -I**C Programming(part I)  |  CO.1 To understand the various problem solving technique.CO.2 To understand & develop logics which will help them to create programs in c.CO.3 TO learn basic programming constructs. |
| **B C A -I**Principle of Management | CO.1 To understand concept of management.CO.2 To understand Role of Manager in Orgnization.CO.3 To know about functions of Management |
| **B C A -I**Financial Accounting | CO.1 To handle Book keeping & Accounting.CO.2 Student can create Journal & Leadger.CO.3 To know about reconciliation & depreciation |
| **B C A -I**C Programming(part-II) | CO1. To understand & implement the concept of functions,pointer,structure.CO.2 To understand & implement the file handling. |
| **B C A -I**Software Package | CO.1 Student can understood the concept of MS-Office(word,Excel,Powerpoint).CO.2 Create any letter,calculation & presentation. |
| **B C A -I**Financial Accounting With Tally | CO.1 To enable the student to combine practice & therotical knowledge of F.A.CO.2 To able to student to identify and analyse financial accounting problem.CO.3 To understand Tally Account software. |
| **B C A -I**Bank Management | CO.1 To study & understand the nature of Bank Management.CO.2 To be aware about recent technologies required to be adopted for efficient Banking |
| **B C A -I**Principle Of Marketing | CO.1 Student can understood basic concept of Marketing.CO.2 Student Establish a development skill of marketing.CO.3 Develop the knowledge of marketing regarding modern competitive world. |
| **B C A -II**Cost Accounting | CO.1 To understand the basic concept & process of ost Accounting.CO.2 To understand the methods of Costing processes. |
| **B C A -II**Human Resource Management | CO.1 Student can Know concepts,principles & practices of HRM.CO.2 Student will do planning,development ,analysis & seletion. |
| **B C A -II**System Analysis & Design | CO.1 To understand the concept of System & it’s Components.CO.2 To understand the concept of System analysis & System Design.CO .3 To understand Testing of Software. |
| **B C A -II**Entrepreneurship Development | CO.1 Student can understood the quality & type of Entrepreneurship.CO.2 Student know the Entrepreneurship development programmer |
| **B C A -II**Orgnizational Behaviour | CO1. OB is to understand the Human interaction in an organization.CO.2 Find what is driving it & influence it for getting better result in attaining business goals.CO.3 The organization in which people work affect their thoughts,feeling & actions. |
| **B C A -II**Database Management System | CO.1 To understand the conept of Database Management System.CO.2 To understand data modeling & database designing.CO.3 To learn & implement SQL for Database manipulation. |
| **B C A -II**Web Technology | CO.1 To provide Skill to design interactive & dynamic website.CO.2 To provide knowledge on web architecture,web server,client side & serverside scripting techonolgy to develop web based information syste & web services. |
| **B C A -II**Mathematics | CO.1 Student can understood graph theory.CO.2 Student can do calculation with matrix.CO.3 Development of logic. |
| **B C A -II** Introduction to Programming- C++ | CO.1 Familiarization with a widely used programming concept – Object Oriented Programming.CO.2 Develop logical thinking.CO.3 Skill to write codes in C++ by applying concept of OOP, such as Objects, Classes, Constructors, Inheritance etc., to solve mathematical or real world problems .CO.4 Ability to isolate and fix common errors in C++ programs.CO.5 To impart detailed knowledge of a powerful object oriented programming language – C++.  |
|  **B C A -II**Object Oriented Statistics  | CO. 1 Skill to choose and apply appropriate numerical methods to obtain approximate solutions to difficult mathematical problems. CO. 2 Ability to apply various statistical techniques such as Measures of Central Tendency and Dispersion CO. 3 Understanding of relationship between variables using the method of Correlation and Trend Fit Analysis. CO. 4 Skill to execute programs of various Numerical Methods and Statistical Techniques for solving mathematical problems. CO. 5 To provide a basic understanding of the derivation and use of methods of interpolation and numerical integration.  CO. 6 To impart knowledge of various statistical techniques.  CO. 7 To develop students’ understanding through laboratory activities to solve problems related to above stated concept.  |
| **B C A -III**Management Accounting | CO. 1 To make the student able to apply the technique of management accounting.CO.2 To aware the student financial statement analysis ,cost volume profit & Budgetary control. |
|  **B C A –III**E-Commerce |  CO. 1 To make the student goal & E-commerce advantages and disadvantages,different E-commerce model.CO. 2 To make understood different electric payment system & E-Security & E-security solutions   |
| **B C A -III**Computer Netwwork  | CO.1 To make the student to able to understand the Basic of Data Communication.Transmission media & avails the different protocols during transmission of data.CO.2 To aware the different communicating categories of Network like LAN,MAN,WAN.CO. 3 To avail student with protocol standard & IP address scheme.   |
| **B C A -III**RDBMS with Orcale  |  CO. 1 SQL allows user to access data stored in relational database management system.CO.2 SQL learner can create & delete database as well as set permission as database tables,view. |
| **B C A -III** Visual Programming | CO.1 Learn to design & develop windows based application & web application using Visual Basic .NET programs.CO.2 Program designing & coding is satisfactory.CO.3 Visual programming language provide graphical representation of many common programming primitive |
| **B C A -III**Data Mining & Data Warehousing | CO.1. Data mining technique can be used in financial data analysis, retail industry telecommunication , biological science.CO.2 Data warehousing improve the integration, faster & more flexible reporting, Increasing data quality, unburdening operational system |
| **B C A -III**Linux | CO .1 Linux essential for network security, monitoring & investigation.CO .2 Linux shell we to manipulate command & its operationCO.3 Student can understood how to create client-server network  |
| **B C A -III**Java | CO. 1 Student can describe model & stages in software development life cycle & also Roles of manager, analyst, expert, programmer end user.CO.2 Define user interface and differentiate command line & graphical user interface.CO.3 Decomposition concept will be occurred ( Divide large task into sub task ) |
|  |  |