COURSE OUTCOMES B.C.A.

BCA I (Sem-I)
Course Code: CC 101
Fundamentals of Computer

CO1: Understand basic concepts of computer.

CO2: Describe peripheral devices and number systems.

CO3: Understand operating environment

CO4: Demonstrate the use of Linux Operating system commands.

B.C.A.-I (Sem-I)
Course Code: CC 102
Introduction to Programming using 'C'

CO1: Able to implement the algorithms and draw flowcharts for solving Mathematical problem.

CO2: Ability to design and develop Computer programs, analyzes, and interprets the concept of pointers, declarations, initialization, operations on pointers and their usage.

CO3: Able to define data types and use them in simple data processing applications also he/she must be able to use the concept of array of structures and file Handling.

CO4: Develop confidence for self education and ability for life-long learning needed for computer language.

B.C.A.-I (Sem-I)
Course Code: CC 103
Principles of Management

CO1: Understand the influence of historical forces on current practice of management.

CO2: Understand frameworks in the four functions of management.

CO3: Understand leadership styles to anticipate the consequences of each leadership style

CO4: Be able to identify and apply appropriate management techniques for organizations

CO5: Understand social responsibility involved in business situations.

B.C.A.-I (Sem-I)
Course Code: CC 104
Business Communication

CO1: Communicate in English in written as well as oral mode

CO2: Make presentations in English

CO3: Do effective business correspondence

B.C.A.-I (Sem-I)
Course Code: CC 104
Office Automation

CO1: Understand the components of office automation

CO2: Perform operations using MS Word and PowerPoint

CO3: Surf details through Internet

CO4: Understand and discuss about the use of Office Package and internet in daily life

B.C.A.-I (Sem-II)
Course Code: CC 201
Database Management System

CO1: Describe the basic concepts of DBMS and various databases used in real applications

CO2: Demonstrate the principles behind systematic database design approaches.

CO3: Design the database structure by applying the concepts of Entity relational model and Normalization.

CO4: Learn MS-Access for database creation and handling transactions.

B.C.A.-I (Sem-II)
Course Code: CC 202
Operating System

CO1: Possess knowledge of Operating Systems and their types.

CO2: Apply the concept of a process and scheduling algorithms.

CO3: Realize the concept of deadlock and different ways to handle it.

CO4: Understand various memory management techniques and file system.

B.C.A.-I (Sem-II)
Course Code: CC 203
Object Oriented Programming Using C++

CO1: Understand object-oriented programming and advanced C++ concept.

CO2: Apply the concepts of object, classes and constructor.

CO3: Design C++ Programs based on object, class, inheritance, abstraction, encapsulation, dynamic binding and polymorphism.

CO4: Implement concept of polymorphism in program.

B.C.A.-I (Sem-II)
Course Code: CC 204
Financial Accounting with Tally

CO1: Use basic accounting terminology, procedures and systems of maintaining accounting records. CO2: Understand financial statements

CO3: Learn to create company, enter accounting voucher entries and also print financial statements, etc. in Tally.

CO4: Demonstrate MIS reports in Tally ERP

B.C.A.-I (Sem-II)
Course Code: CC 205
Mathematical Foundations for Computer Applications

CO1: Basic knowledge of set theory, functions and relations concepts, matrix needed for designing and solving problems.

CO2: Construct simple mathematical proofs and possess the ability to verify them.
CO3: Write an argument using logical notation and determine if the argument is valid or is not valid.
CO4: Use graph algorithms to solve problems.

B.C.A.-II (Sem-III)
Course code: CC 301
Web Technology

CO1: Understand basics of website and web development life cycle.
CO2: Design website using HTML and CSS
CO3: Implement client side scripting for website development
CO4: Understand importance and working of HTML5

B.C.A.-II (Sem-III)
Course code: CC 302
Computer Network and Internet

CO1: Understand the concept of computer network.
CO2: Identify different components required to build different networks.
CO3: Recognize the functions of network layers and different protocols.
CO4: Discuss the important features of the Internet and Web

B.C.A.-II (Sem-III)
Course code: CC 303
Data Structure using C

CO1: Use and implement appropriate data structure for the required problems using a programming language such as C.
CO2: Understand various searching & sorting techniques
CO3: Implementing various data structures viz. Stacks, Queues
CO4: Implementation of Linked Lists and Trees.

B.C.A.-II (Sem-III)
Course code: CC 304
Elements of Statistics

CO1: Explain various term used in Statistics.
CO2: Describe the Measures of Central Tendency and Dispersion
CO3: Understand Analysis of Bivariate data(Correlation and Regression)

CO4: Elaborate Sampling Techniques and Time Series Analysis.

B.C.A.-II (Sem-III)
Course code: CC 305
Human Resource Management and Materials Management

CO1: Understand Human Resource Planning Process.
CO2: Elaborate Performance Appraisal, Training and Development, Wage and salary Administration.
CO3: Explain functions of material management
CO4: Demonstrate 5 R in purchasing and Inventory control techniques.

B.C.A.-II (Sem-IV)
Course code: CC 401
RDBMS

CO1: Describe the fundamental elements of Relational Database Management Systems.
CO2: Explain various commands in data languages with example.
CO3: Understand various sub queries & joins.
CO4: Apply the control statements and stored procedures.

B.C.A.-II (Sem-IV)
Course code: CC 402
Software Engineering

CO1: Understand life cycle models, requirement elicitation techniques, understand the concept of analysis and design of software.
CO2: Develop SRS document.
CO3: Use of analysis and design tools for system development.
CO4: Apply software engineering concepts in software development to develop quality software.

B.C.A.-II (Sem-IV)
Course code: CC 403
Dot Net Technology

CO1. Understand features of C# DOT NET
CO2. Implement various server controls for website development
CO3. Apply validation and state management for interactive website development

CO4. Design and develop dynamic web application using ADO.Net

B.C.A.-II (Sem-IV)
Course code: CC 404
Entrepreneurship Development

CO1: Define characteristics, function and types of entrepreneurs and know the role of Entrepreneurship in Economic Development.
CO2: Identify Business Opportunities and prepare business plan.
CO3: Know project finance agencies.
CO4: Understand New Opportunities and Challenges in digital entrepreneurship.

B.C.A.-III (Sem-V)
Paper No. : 501
Management Accounting

CO1: To enhance the abilities of learners to develop the concept of management accounting and its significance in the business.
CO2: To enhance the abilities of learners to analyze the financial statements.
CO3: To enable the learners to understand, develop and apply the techniques of management accounting in the financial decision making in the business corporates.
CO4: To make the students develop competence with their usage in managerial decision making and control

B.C.A.-III (Sem-V)
Paper No. : 502
E-Commerce

CO1: Understand the basic concepts and technologies used in the field of management information systems;
CO2: Have the knowledge of the different types of management information systems;
CO3: Understand the processes of developing and implementing information systems;
CO4: Be aware of the ethical, social, and security issues of information systems;

B.C.A.-III (Sem-V)

Paper No: 503

Computer Network

CO1: Understand the concept of computer network.
CO2: Identify different components required to build different networks.
CO3: Recognize the functions of network layers and different protocols.

BCA III (Sem-V)

Paper No: 504

RDBMS with Oracle

CO1: Fundamental Concepts of Relational Database Management Systems.
CO2: Explain various commands in data languages with example.
CO3: Understand various sub queries & joins.
CO4: Understand PL/SQL Block Structure.

B.C.A.-III (Sem-V)

Paper No: 505

Visual Programming

CO1. Understand features of Visual Basic NET and IDE

CO2. Implement the command line arguments

CO3. Design web application and website development

CO4. Database connection using ADO.Net

B.C.A.-III (Sem-VI)

Paper No: 601

Strategic Management

CO1: To introduce the students to the emerging changes in the modern business environment

CO2: To develop the analytical, technical and managerial skills of students in the various areas of Business Administration

CO3: To empower to students with necessary skill to become effective future managers and leaders CO4: To develop Technical skills among the students for designing and developing effective Functional strategies for growth and sustainability of business

B.C.A.-III (Sem-VI)

Paper No: 602

Data Mining and Data Warehousing

CO1: Understand warehousing architectures and tools for systematically organizing large database and use their data to make strategic decisions.

CO2: Understand KDD process for finding interesting pattern from warehouse.

CO3: Remove redundancy and incomplete data from the dataset using data preprocessing methods.

CO4: Characterize the kinds of patterns that can be discovered by association rule mining.

CO5: Discover interesting patterns from large amounts of data to analyze for predictions and classification.

CO6: Develop a data mining application for data analysis using various tools.

B.C.A.-III (Sem-VI)

Paper No: 603

Linux Operating System

CO1: Upon completion of this course, students should have a good working knowledge of Linux.

CO2: Allowing them to easily use any Linux distribution.

CO3: Structure of File system and virtual file system is also elaborated.

CO4: This course contains details of shell programming and introduces System administration

B.C.A.-III (Sem-VI)

Paper No: 601

Java Programming

CO1: Implement Object oriented concepts using java

CO2: understand packages and inheritance.

CO3: Develop multithreading applications and handle exceptions

CO4: : understand Applets and AWT Components.