

BCCCA

1. The undergraduates learn the latest trends in Information technology and software development.
2. The undergraduates learn the essential skills as demanded by global software industries.
3. The undergraduates enhance their analytical skills, communication skills and audio visual presentations skills.
4. The undergraduates learn to identify, formulate and solve engineering problems related to information technology.
5. The undergraduates are able to develop hands on experience on operating system and different application software's.
6. The undergraduates are able to implement computer skills in the area of multimedia and website designing, data base, Hardware and networking.
7. The undergraduates are able to gain knowledge of professional and ethical responsibilities.

Course Objectives and Outcomes

BCCA Semester I

Subject- 1CAT1 – English I (Communication Skills)

Course Objectives:

1. To introduce the basic concepts of grammar
2. To understand the nuances of business correspondence
3. To understand importance of business letter writing
4. To understand importance of public speaking and group discussion
5. To understand and learn how to create power point presentations

Course Outcomes:

1. At the end of the course the student shall be able to use correct grammar
2. The student can write different types of letters, reports, etc.
3. The student can understand and design advertisements
4. The students can make power point presentations
5. The student can speak confidently in public

Subject- 1CAT2 – Financial Accounting

Course Objectives:

1. To introduce the concept of basic principles of financial management and discuss the objectives and key finance functions.
2. To discuss various sources for long term and short term financing needs.
3. To discuss cost of financing through various sources and calculation of Weighted Average Cost of Capital.
4. To explain the concept of working capital in a business, its key components and calculation of required working capital.

Course Outcomes:

1. At the end of the course the student will able to understand basics of financial accounting, its principles and procedures.
2. The student will able to prepare financial statements, Reconciliation of Bank Pass Book and Cash Book and methods of depreciation.
3. The student will able to understand inventory valuation, how shares are issued and related accounting statements.
4. Students will be able to analyze and interpret the financial statement through ratio analysis.

Subject- 1CAT3 – Fundamentals of computers

Course Objectives:

1. TO introduce to the Computer.
2. To make them aware about the different operating System.
3. To introduce the working of MS-Office.

Course Outcomes:

1. At the end they learn the use of Computer.
2. Various practical will be taken. 3. 4.

Subject- 1CAT4 – Programming in “C”

Course Objectives:

1. Fundamentals of C Language.
2. Functions and Arrays of C-Program.
3. Pointer.
4. Structure, Unions and Data Files.

Course Outcomes:

1. Students will able to write basic C program.
2. At the end of the topic Students will able to use functions and Arrays in there program.
3. Students will able to write the C-program by using pointer and there impotence in program and how we will get benefit of pointer in programming.
4. Students will know how to utilize STRUCTURE, UNION and FILE concept in program and where we can exactly use these functions.

BCCA Semester II

Subject- 2CAT1 – English II (Business Communication)

Course Objectives:

1. To introduce the basic concepts of grammar.
2. To understand of business correspondence.
3. To understand and draft various different documents for communication.
4. To understand the stories/ Poems (Prose & Poetry).

Course Outcomes:

1. At the end of the course the student is able to use grammar.
2. The student understands about business communication.
3. The student is able to draft various documents for communication.
4. The student understands stories and poems and is able to solve the question answers.

Subject- 2CAT2 – Principles of Business Management

Course Objectives:

1. To introduce the concept of Management and Administration
2. To discuss about structure of organisation and staffing in an organisation
3. To introduce the concept of training and development and its implication on efficiency of an organisation
4. To give an insight of importance of communication for leadership and management control in an organisation

Course Outcomes:

1. The course will enable the students to understand and differentiate management an administration and get insight of theories and development of management science
2. The student will able to learn organisational structure, departmentalisation. It will also help the students to understand staffing, informal groups and group dynamics
3. The student will able to understand the importance of efficiency of staff, methods of training and development, compensation for change in performances etc
4. The student will understand the tools used for making and improving communication in order to become a leader and display leadership skill that will be helpful to control the organisational management

Subject- 2CAT3 – Programming in “C++”

Course Objectives:

1. Fundamentals of C++ Language and Object Oriented Programming.
2. Function and Program Structures of C++ .
3. Arrays, Pointer, Structures, Unions.
4. Classes and Objects, Special Member Function.
5. Single and Multiple Inheritance.
6. Overloading Functions and Operators.
7. Polymorphism and Virtual Functions.
8. Templates and Exception Handling.
9. Data File Operations.

Course Outcomes:

1. Students will able to write basic C++ program.
2. Students get the know how to create C++ program by using OOP.
3. At the end of the topic Students will able to use functions, Arrays and pointer in there program.
4. Students will able to write the C++-program by using pointer and there impotence in program and how we will get benefit of pointer in programming.
5. Students will know how to utilize STRUCTURE, UNION and data FILE operation in program and where we can exactly use these functions.
6. Students will get to know how to use the Class, Member function, Polymorphism, and overloading function in C++ program.

Subject- 2CAT4 – E-Commerce and Web designing

Course Objectives:

1. To introduce to the online marketing.
2. To Introduce to the e-commerce concepts.
3. To introduce to the HTML and web designing.
4. To introduce the concept of CSS.

Course Outcomes:

1. Student will learn to create web pages.
2. Student will learn the use of various tags.
3. Student will be able to create the images and linked web pages.
4. Student will be able to use scripting for web designing.

BCCA Semester III

Subject- 3CAT1 – Environmental Studies

Course Objectives:

1. To introduce the concept of environment management.
2. To impart knowledge on various types of pollution present in environment.
3. To give knowledge on human population, its cause and effect also covering the social issues in environment.

Course Outcomes:

1. Students will understand the importance of various aspects of environment.
2. Students will become aware of various contemporary issues related to the environment.
3. Students awareness and knowledge on environment will make them a responsible person towards the environment.

Subject- 3CAT2 – Business Economics

Course Objectives:

1. “To introduce concept of economics and its important.
2. Concepts like Demand and supply”.
3. To make students familiar with concepts like production function and cost theory.
4. “To explain various market structures to students.
5. Price determination methods used in those markets”.

6. To introduce students to various theories such as theory of wages, rent, interest & profit.

Course Outcomes:

1. Students will come to know about basics of economics and its practical applications like market equilibrium.
2. "Students will understand important concepts for business decisions such as optimum production level".
3. Students will come to know about various types of markets and practical methods of pricing in various markets.
4. Students will be familiar with concepts like wages, rent, interest and profit.

Subject- 3CAT3 – Visual Basic (VB) Programming

Course Objectives:

1. To introduce students to the user interface environment.
2. To introduce to the skill of Programming language.

Course Outcomes:

1. Create project using user interface.

Subject- 3CAT4 – Data Base Management System (DBMS)

Course Objectives:

2. To study and understand basic concept of database management system and its Architecture.
3. To study Different Data Models such as E-R model in detail.
4. To Study Database Design: DDLC, Normalizations Techniques and Integrity constrains.
5. To study Hierarchical Network, Relational Data structures.
6. To study DDL, DML, TCL and DCL commands in Oracle.
7. To develop skills of writing Programs in PL/SQL.

Course Outcomes:

1. At the end of the course student are able to understand concept of DBMS and RDBMS.
2. Students get practical knowledge of SQL (Oracle Command) for handling of database.
3. Students are able to maintain Database in Oracle.
4. Students are able to write programs in PL/SQL.

BCCA Semester IV

Subject- 4CAT1 – Mathematics

Course Objectives:

1. To introduce the concept of various statistical tools.
2. To develop abstract, logical and critical thinking and the ability to solve problems.
3. To develop mathematical curiosity and use inductive and deductive reasoning when solving problems.
4. To make the students aware about the various key mathematical theories, concepts and methods.

Course Outcomes:

1. At the end of the course the student will understand concepts of mathematics and the various statistical tools.
2. The students will get insight to business mathematical environment and their applicability.
3. The students will develop the skills of critical thinking and the ability to perform.

Subject- 4CAT2 – Business Law

Course Objectives:

1. To understand laws relating to commercial contract.
2. To know the term of sale and legal aspects of Sale.
3. To understand structure and functioning of Partnership firm.
4. To know the structure of Firm under LLP form.
5. To understand the concept of Negotiable Instruments and its legal aspects.

Course Outcome:

1. At the end of the course the student will be able to apply legal concepts while drafting a contract.
2. Student will be able to understand the legal aspect of trade in goods in physical as well e-

commerce industry.

3. It will develop understanding related to status of partner and firm with respect to LLP.
4. Students will understand legal aspects of dealing with negotiable instruments.

Subject- 4CAT3 – Core Java

Course Objectives:

1. Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc.
2. Understand fundamentals of object-oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.
3. Be aware of the important topics and principles of software development.
4. Have the ability to write a computer program to solve specified problems.
5. Be able to use the Java SDK environment to create, debug and run simple Java programs.

Course Outcome:

1. Knowledge of the structure and model of the Java programming languages (Knowledge).
2. Create a java programs that solve simple business problems.
3. Write Java programs to implement error handling techniques using exception handling.
4. Perform a test plan to validate a Java Program.
5. Use the Java programming language for various programming technologies (Understanding).

Subject- 4CAT4 – PHP & MySQL

Course Objectives:

1. Students will learn to create the Dynamic Pages.

Course Outcome:

1. Will learn to use various Tags of HTML & PHP.

BCCA- 3rd Year

Subject- Business Legislation

Course Objectives:

1. To understand laws relating to commercial contract.
2. To understand the structure and functioning of a company.
3. To understand structure and functioning of Partnership firm.
4. To have knowledge of consumer law.
5. To have knowledge of cyber law.

Course Outcomes:

1. At the end of the course the student will be able to apply legal concepts while drafting a contract.
2. The student will understand the various compliances in a corporate body.
3. The student will understand the basics of law relating to consumer protection, E-commerce and cyber laws.

Subject-Front End Development

Course Objectives:

1. To introduce students to the user interface environment.
2. To introduce to the skill of Programming language

Course Outcomes:

1. Create project using user interface.

Subject- Software Product & Project Management

Course Objectives:

1. To introduce the concept of software product and project management.
2. To introduce the concepts of software estimation and software scheduling.
3. To discuss various software testing strategies.
4. To give overview of software risk and quality management.

Course Outcomes:

1. The students will be able to define and analyze the framework and the dimensions of software

project management.

2. The students will be able to understand and implement the software estimation models and scheduling process.

3. The student will be able to analyze the different ways of risk management, project monitoring and control.

Subject- Computerized Accounting (Tally)

Course Objectives:

1. To introduce the concept of Accounting & Financial accounting.

2. To introduce the tally software, creating new company, voucher entry.

Course Outcomes:

1. At the end students will learn the use of voucher entry.

2. They will how to create company with their details.

At the end of the course the students will understand concepts of voucher entry, budget, and inventory.