Class: BCA	Semester: THIRD
Subject: OBJECT ORIENTED PROGRAMMING WITH C++	
Paper (U.G): BCA -231	

S. No.	Course Outcomes
1	In "Object Oriented Programming in C++" the students will study about the extension version of c language and the Features of C++, Classes and Objects, Scope Resolution Operator.
2	They will gain the ideas of implementing the programs in C++ using Constructors and Destructors.
3	Students will come to know the concept of pointers initialization and declaration in C++ passing parameters to functions by reference.
4	Students will gain the Knowledge about Polymorphism, Function Overloading and Creation of Operators.

Class: BCA	Semester :THIRD
Subject: DATA STRUCTURE	
Paper (U.G): BCA -232	

S. No.	Course Outcomes
1	Students will surge their Knowledge about the basic Data Structures and Strings.
2	Students will gain the Knowledge about the Arrays, Linked Lists.
3	Students will come to know the concept of data structure and algorithm to solve a problem.
4	They will expedite their ideas by studying the concept of static & dynamic data structures and relevant standard algorithms for them: Stack, Queue, Linked list, Tree, Graph.

Class: BCA	Semester: THIRD
Subject: COMPUTER ARCHITECTURE	
Paper (U.G): BCA -233	

S. No.	Course Outcomes
1	Students come to know about basic computer organization, instruction code, instruction cycle and design of accumulator logic.
2	They will expedite their ideas by studying the concept of micro operations used in computer architecture and register transfer, design and working of control unit.
3	They will grasp the Knowledge about the data is to be transferred and manipulated by central processing unit and how various types of interrupts be handled by it.
4	At last, they will grasp the Knowledge about memory organization and input output organization of computer hardware.

Class: BCA	Semester: THIRD
Subject: SOFTWARE ENGINEERING	
Paper (U.G): BCA -234	

S. No.	Course Outcomes
1	They will expedite their ideas by studying the concept of Introduction to Software phases in Software Development, Software Development Process Models.
2	They will grasp the Knowledge about the concept of software requirement analysis and Specifications.
3	They will familiarize with the concepts of Structured Analysis and Tools, Gantt Chart, PERT Chart, Software Maintenance.
4	They will grasp the Knowledge about the Software Project Planning, Risk Management, Software Testing Strategies.

Class: BCA	Semester: THIRD
Subject: FUNDAMENTAL OF DATABASE SYSTEMS	
Paper (U.G): BCA -235	

S. No.	Course Outcomes
1	They will expedite their ideas by studying the concept of Data, Database Approach, DBMS and its functions, DBA.
2	They will familiarize with the concepts of the Database system Architecture, Data Independence.
3	They will expedite their ideas by studying the concept of data Models and their design, E-R diagrams.
4	At last They will grasp the Knowledge about Relational Data Models, Hierarchical and Network Data Model.

Class: BCA	Semester: THIRD
Subject: COMPUTER ORIENTED NUMERICAL METHODS	
Paper (U.G): BCA -236	

S. No.	Course Outcomes
1	They will expedite their ideas by studying the concept of Computer Arithmetic, Error in number Representation, Iterative Methods.
2	They will familiarize with the concepts of the Solution of Simultaneous Linear Equations and Ordinary Differential Equations, Predictor – corrector Methods.
3	They will grasp the Knowledge about the Interpolation and approximation, Chebyshev Polynomial.
4	They will grab the Knowledge about the Numerical Differentiation and Integration, Gaussian Quadrature.

Class: BCA	Semester: FOURTH
Subject: ADVANCED DATA STRUCTURE	
Paper (U.G): BCA -241	

S. No.	Course Outcomes
1	They will exacerbate their ideas by adding knowledge of Trees, Binary Search Trees, Huffman's Algorithm, General Trees.
2	They will expedite their ideas by studying the concept of Graphs, Warshall's Algorithm, Dijkstra Algorithm,
3	They will familiarize with the concepts of the Sorting, Searching Algorithms on the basis of complexity.
4	At last, They will grasp the Knowledge about the Files and File Organization, Hashing, Collision Resolution.

Class: BCA	Semester: FOURTH
Subject: ADVANCED PROGRAMMING USING C++	
Paper (U.G): BCA-242	

S. No.	Course Outcomes
1	They will exacerbate their ideas by adding knowledge of Introduction to Dynamic Polymorphism.
2	They will expedite their ideas by studying the concept of Type conversions and Inheritance.
3	They will grasp the Knowledge about the difference forms of Inheritance, Templates in C++, Function Templates.
4	They will familiarize with the concepts of the Class Templates in C++, Exception Handling in C++, File Input Output in C++, File Pointers.

Class: BCA	Semester: FOURTH
Subject: E-commerce	
Paper (U.G): BCA-243	

S. No.	Course Outcomes
1	They will exacerbate their ideas by adding knowledge of Various E-Commerce terms that includes E-Cash, E- Cheque, E-Transactions etc.
2	They will expedite their ideas by studying the concept of B2B, B2C, B2G, G2G makes awareness in students to develop the Online procedure of sale and purchase.
3	They will grasp the Knowledge about the E-Auctions and E- booking gives an opportunity to students to aware how to book and bid the various online data transactions.
4	With the help of the e-commerce they will gain the deep knowledge of electronic payment system which are very useful in now a days .

Class: BCA	Semester: FOURTH
Subject: RELATIONAL DATABASE MANAGEMENT SYSTEM	
Paper (U.G): BCA-244	

S. No.	Course Outcomes
1	They will exacerbate their ideas by adding knowledge of Introduction to Relational Model Concepts, Codd's Rules for Relational Model, Relational Algebra, Relational Calculus
2	They will expedite their ideas by studying the concept of Functional Dependencies and Normalization, Functional Dependencies, Normal Forms (1NF, 2NF, 3NF & BCNF).
3	They will grasp the Knowledge about the SQL: Data Definition and data types, SQL Operators, Specifying Constraints in SQL, Basic DDL, DML and DCL commands in SQL, Tables, Views, Indexes
4	They will familiarize with the concepts of the PL/SQL architecture, PL/SQL and SQL*Plus, PL/SQL Basics, Advantages of PL/SQL, The Generic PL/SQL Block

Class: BCA	Semester: FOURTH
Subject: COMPUTER-ORIENTED STATISTICAL METHODS	
Paper (U.G): BCA-245	

S. No.	Course Outcomes
1	They will expedite their ideas by studying the concept of Basic Statistics: Preparing Frequency Distribution Table and Cumulative frequency, Measure of Central Tendency, Types, Measure of Dispersion, Standard Deviation Moments.
2	They will exacerbate their ideas by adding knowledge of Probability Distribution, Mathematical Expectation Types, Correlation.
3	They will grasp the Knowledge about the Regression, Curve Fitting, Baye's Theorem in Decision Making, Forecasting Techniques.
4	With the help of the e-commerce they will gain the deep knowledge of Sample introduction, Sampling, Types of test of Significance, Test of significance for large samples

Class: BCA	Semester: FOURTH
Subject: MANAGEMENT INFORMATION SYSTEM	
Paper (U.G): BCA-246	

S. No.	Course Outcomes
1	They will expedite their ideas by studying the concept of Introduction to System and Basic System Concepts, Types of Systems, The Systems Approach, Information System, Sub-Systems of an Information system.
2	They will exacerbate their ideas by adding knowledge of An overview of Management Information System: Definition & Characteristics, Components of MIS, and Framework for Understanding MIS, Structured Vs Un-structured decisions, Formal vs. Informal systems.
3	They will grasp the Knowledge about the Developing Information Systems: Analysis & Design of Information Systems: Implementation & Evaluation, Pitfalls in MIS Development
4	They will grasp the Knowledge about the Functional MIS: A Study of Personnel, Financial and production MIS, Introduction to e-business systems, ecommerce – technologies, applications, Decision support systems.