BCA 2019-20

CORE COURSE OUTCOME

Sl. No.	Course Title	Course Outcome
1.	Computer Fundamentals & HTML	• Acquire Knowledge of fundamentals of Computer, Computer organization • Develop problem solving skills through writing algorithm and flow chart • Understand the basics of Internet and webpage design
2.	Problem Solving using C	• Develop Problem Solving and Programming Skills • Understanding various concepts of C language
3.	Programming Laboratory I: Lab Exam of 1st& 2nd Sem. HTML & Programming in C	• Familiarize programming environments and practice procedural programming concepts using C • Learn how to implement various data structures in C. • Using basic programming skills to solve real life problems.

4.	Data Structures Using C	• Obtain an awareness about algorithms and complexity • Learn the concept of various data structures , implementation and applications • To learn the methods of searching, sorting and hashing techniques
5.	Database Management System and RDBMS	• Learn the basic principles of database Management System and RDBMS • Understand the concepts of database manipulation using SQL and PL/SQL • Enable to design a database to solve real life applications
6.	Programming Laboratory II: Lab Exam of 3rd & 4th Sem. Data Structures & RDBMS	• Make the students equipped to solve mathematical or scientific problems using C and implement various data structures. • Develop skills to code database transactions using SQL and to write PL/SQL programs
7.	Computer Organization And Architecture	• To learn logic gates, combinational circuits and sequential circuits • To learn basics of computer organization and architecture
8.	Java Programming	• To review the concept of OOP.

		• To learn Java Programming Environments. • To practice programming in Java. • To learn GUI Application development in JAVA.
9.	Web Programming Using PHP	• To learn client side and server side scripting. • To learn PHP Programming • To learn how to develop dynamic websites and interact with databases through internet
10.	Principles of Software Engineering	• Learn various software development methodologies and practices. • Learn various evaluation methods in Software Development.
11.	Android programming	• To have a review on the concept of Android programming. • To learn Android Programming Environments. • To practice programming in Android. • To learn GUI Application development in Android platform with XML
12.	Operating Systems	• To learn objectives & functions of Operating Systems. • To understand processes

		and its life cycle. • To learn and understand various Memory and Scheduling Algorithms. • To have an overall idea about the latest developments in Operating Systems
13.	Computer Networks	• Awareness on the basics of Computer Networks, Protocols used in Communication and transmissions in Computer Networks. • A general idea on Network Administration.
14.	Programming laboratory III- Java and Web Programming	• Knowledge of Java programming and client side and server side scripting • Knowledge of PHP Programming, developing dynamic websites and interacting with databases through PHP
15.	Programming Laboratory IV: Lab Exam of Android & Linux shell Programming	• Knowledge in Android programming and shell programming • Developing user interface applications and developing mobile applications.

16.	Industrial Visit and Project Work	• Acquire practical knowledge on software development process
17.	System Software	• Perceive fundamental knowledge in system software • Learn compilation process of a program.
18.	Machine Learning	• Understand machine learning concepts • Learn mathematical and statistical foundations of machine learning.
19.	Software testing & Quality Assurance	• Introduction and basic skills on software testing and quality assurance techniques and tool
20.	Technical Writing	• Acquire the skills and knowledge for professional technical communication, web content writing, soft skill development and search engine optimization.
21.	Fundamentals of Life Skill Education	• Develop intra-personal, inter-personal, critical thinking, decision making and communication skills. • Establish self- management and help to maintain work life balance. • Perceive an insight to career planning and development.