

Lesson Plan

Odd Semester, Session 2020-21

Name of Professor: Manisha Saini

Class: BCOM CAV -3rd Sem

Subject code and Name: BC(Voc-305) Data Structures

Month	Topics covered
16/10/2020 To 15/11/2020	Data Structure: linear and least structures: array definition, type, address calculation, stack: push/pop algorithms, applications
16/11/2020 To 15/12/2020	Queue: INS/DEL algorithm, double and circular queue concept only.
16/12/2020 To 03/01/2021	List: single linked list, algorithm and double linked list and circular linked list concepts; B-Tree concepts
04/01/2021 To 23/01/2021	Files: serial, sequential, indexed, direct, multi-list

Lesson Plan

Odd Semester, Session 2020-21

Name of Professor: Manisha Saini

Class: BCA 1st Semester

Subject code and Name: BCA (BC-116) Programming in C

Month	Topics covered
2/11/2020 To 05/12/2020	Unit-I: Overview of C: History of C, Importance of C, Structure of a C Program. Elements of C: C character set, identifiers and keywords, Data types, Constants and Variables, Assignment statement, Symbolic constant. Input/output: Unformatted & formatted I/O function in C, Input functions (scanf(), getch(), getche(), getchar(), gets()), Output functions (printf(), putchar(), puts()),.
06/12/2020 To 30/12/2020	Unit- II: Operators & Expression: Arithmetic, relational, logical, bitwise, unary, assignment, conditional operators and special operators. Arithmetic expressions, evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity. Decision making & branching: Decision making with IF statement, IF-ELSE statement, Nested IF statement, ELSE-IF ladder, switch statement, goto statement.
31/12/2020 To 23/01/2021	Unit – III: Decision making & looping: For, while, and do-while loop, jumps in loops, break, continue statement. Functions: Definition, prototype, passing parameters, recursion.
24/01/2021 To 20/02/2021	Unit – IV: Storage classes in C: auto, extern, register and static storage class, their scope, storage, & lifetime. Arrays: Definition, types, initialization, processing an array, passing arrays to functions, Strings & arrays.