

C Programming Syllabus

Module 1: Introduction to C History, Features, Structure of C program, Compilation & Execution

Module 2: Variables & Data Types Constants, Variables, Data types, Type casting

Module 3: Operators Arithmetic, Relational, Logical, Assignment, Bitwise

Module 4: Control Statements If, If-else, Switch, Loops (for, while, do-while)

Module 5: Functions Function definition, declaration, recursion

Module 6: Arrays & Strings 1D, 2D arrays, String handling functions

Module 7: Pointers Pointer basics, pointer arithmetic

Module 8: Structures & Unions User-defined data types

Module 9: File Handling File operations in C

Module 10: Final Project Basic application using C programming