

i-Nate Education

105 -106 Ranawat Trade Center Bhawarkuan ,Indore
Email:-inateeducation@gmail.com ,0731-2362212,9229440120

Course Duration: 30 hrs

Introduction, Importance of C:- Importance of C, introduction to c compiler , Sample C programs, Basic structure of C programs, Programming style,Executing a C program. C input output function printf(),scanf(),clrscr(),getch()

Constants, Variables and data Types :- Introduction, Character Set, C tokens, Keywords and Identifiers, Constants, Variables, Data types, Declaration of Variables, Defining symbolic constants.

Operators and Expression:- Introduction, Arithmetic Operators, Relational Operators, Logical Operators, Assignment Operators, Increment and Decrement Operators, Conditional Operators, Bit-wise Operators, Special Operators, Arithmetic Expressions, Evaluation of expressions, Precedence of arithmetic operators, Type conversions in expressions, Mathematical function

Control statement :-Decision making with IF statement, the IF ELSE statement, Nesting of IF ... ELSE statements, the ternary (? :) Operator ,The switch statement and Break , Loops statement For, while and do- while , Jumps in loops Break and continue.GOTO statement

Introduction User-Defined Functions and pointer :

Need for user-defined functions, The form of C function, Return values and their types, Calling a function, category of functions, Arguments with return values, Arguments with no return values, No Arguments with return values, No arguments and no return values, call by value and call by address , Introduction to pointer Nesting of functions , Recursion Functions

Introduction to Array ,pointer and functions

Initialization One-dimensional arrays, Two-dimensional arrays, Concept of Multidimensional arrays. Pointer to arrays ,passing array to functions ,array of pointer

Introduction to strings :pointer and functions

Declaring and initializing string variables, Reading and Writing string on screen ,String Operations : String Copy, String Compare, String Concatenation And String Length, String Handling pre define functions, and use define functions. Pointer to string ,passing String to functions , Initialization of two-dimensional String, pointer to 2d string ,passing 2d string to functions

Data types revisited ,and preprocessor

more on data types ,storage classes ,macro Expansion(#define) and macros with arguments , macros versus functions , file inclusion(# include) , conditional compilation(# ifdef ,# endif), #if and #elif , #undef ,#pragma

Structures and Unions and Enumerations pointer and functions

Defining a structure, Processing a structure, User-defined data type (typedef), Array of Structures , Structures and Pointers, Passing structure to a function, Self referential structure, Unions, Enumerations.

Input and output

Types of I/O ,console formatted and unformatted I/O , sprintf() and sscanf()

File input output Management

Introduction to text and binary files , Defining files and its Operations, Error handling during I/O operations, Random access files, Command line arguments