ENHANCED PROGRAMMING LEARNING WITH C LANGUAGE

Duration: 30 hrs

UNIT 1

Basics of c programming:

Programming format, basic terminologies – syntax, comments, compiling, execution, Tokens, Keywords, Identifiers, Constants, variables, data types, arithmetic operators, types of operators, expressions, Header files. (6 hrs)

Input and Output functions:

Printf() and Scanf() functions, Formatting input and output, Escape sequence, Control strings, getchar and putchar functions, Built in functions, Increment and decrement operators, General structure of a C program, Simple C programs. **(5 hrs)**

UNIT 2

Control Statements :

Relational and logical operators, Selection statements, if with types and programs, switch statement with programs **(4hrs)**

Looping : concepts of iteration – programming with while, do-while and for loop, nesting of loops **(5 hrs)**

UNIT 3

Arrays and Strings:

Array definition, types, declaration, initialization, memory representation, programs **(4 hrs)**

String definition, declaration, getchar(), putchar(), gets(), puts(), String functions, character handling functions, programs **(3hrs)**

UNIT 4

Pointers Structures and Unions

Pointer definition and declaration, Pointer and Address operator,
Structure definition and declaration, template, Structure variables , Unions
(3 hrs)

Enhance Skills in basics of C Programming
by
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