



MSME-Tool Room, Guwahati

Tool Room & Training Centre, Guwahati

Course Time Table

SUBJECT: C Programming DURATION: 2 weeks PER DAY: 3 hrs

OBJECTIVE:

At the end of Session Participants Should Know:

- * Creation of Structure oriented programs with C classes.
- * learn how to design and program in C.

Day	Course Content
Day 1	✓ Online software installation guidance with self-introduction and interaction.
	✓ Software installation guidance.
	✓ Introduction to TRTC.
	✓ Introduction to C
	✓ How to write & run a C program
	✓ Statements & Comments
Day 2	✓ Characters set in C
	✓ Tokens
	✓ Identifier
	✓ Keywords
	✓ Constants
	✓ Indentation
	✓ Variable
	✓ Format Specifier
	✓ Data types(number,string,list,tuple,set,dictionary)
Day 3	✓ Data types(number,string,list,tuple,set,dictionary)
	✓ Practice Exercise
	✓ Type casting, Type conversion
	✓ Input and output Function
Day 4	✓ Operators in C – Arithmetic operator, Relational operator, Assignment operator,
-	Logical operator, Bitwise operator, Identity operator, Increment and decrement
	operator, compound operator etc.
	✓ Practice Exercise using Operators
Day 5	✓ Control Structures in C-Sequence, Selection & Loop
	✓ The If statement and its' related statement
	✓ An example with if and it's related statement
Day 6	✓ The Switch Statement

	✓ Practice exercise on Switch Statement
	✓ The for loop
	✓ The while loop
	✓ The range statement
	✓ Break & Continue
	✓ Assert
	✓ Practice exercise on looping
Day 7	✓ The Do-while loop
	✓ Practice exercise on looping
Day 8	✓ Array in C
	✓ 1D-Array , sorting, searching, merging
	✓ 2D-Array,Array sum, Difference, multiplication
Day 9	✓ Practice Exercise
Day 10	✓ Practice Exercise
Day 11	✓ String Programming using string.h header file, string functions
	✓ User defined Function programming – function prototype, function invoking,
	function definition, local and global variables and Recursion
Day 12	✓ Structure and Union and programming using structure and union
	✓ Programming using pointer – definition of pointer, call by value vs call by
	reference, types of pointer, pointer operations, storage class, dynamic memory
	allocation using malloc(), calloc().
Day 13	✓ File Handling programming – text file, binary file, use of key words – FILE,
	fopen(), fprintf(), fscanf(), fclose()
	✓ Revision & Practice
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N.B:

*Classes & Demonstration will be conducted every day for a time period of two hour & doubt clear Session of one hour with all day online/on-call support.

*Hard copy of Certificate will be send to Participant's address by post or it may also be collected from our Centre when situation get normalized.

*Each trainee can avail a free one-week Internship (Practical/Project based) training at our Centre after this pandemic situation get normalized.

You may contact with coordinator for course related further information.

Course Coordinator: SudeepBasak Contact No:9707658224/6026750624