

# Certificate Course in C Programming

## C-Programming

**4 Weeks Online Course**

**4 Weeks (2 Hrs. per day)**

**Timing: - 10:00 AM to 12:00 PM**

**Medium of Instruction: Bilingual (English & Hindi)**

### Objective

The objectives of this course are to make the student understand programming language, programming, concepts of Loops, reading a set of Data, stepwise refinement, Functions, Control structure, Arrays. After completion of this course the student is expected to analyze the real-life problem and write a program in 'C' language to solve the problem. The main emphasis of the course will be on problem solving aspect i.e. developing proper algorithms.

### Eligibility

10+2 and Basic Knowledge of Computer

### Prerequisite

- Candidate must have latest computer/laptop with preferably 2 GB RAM or higher
- Software: Turbo C++ Compiler
- Internet connection with good speed

### Course Fees

Rs. 1000/- incl. GST & all other charges.

### Certificate

Certificate will be provided to the participants, based on minimum 75% attendance and on performance (minimum 50% marks) in the online test, conducted at the end of the course.

### Methodology

- ✓ Instructor-led live classes.
- ✓ Instructor-led hands-on lab sessions.
- ✓ Content Access through e-Learning portal.
- ✓ Assessment and Certification

### How to Apply

**Step-1:** Read the course structure & course requirements carefully.

**Step-2:** Visit the Registration portal and click on apply button.

**Step-3:** Create your login credentials and fill up all the details, see the preview and submit the form.

**Step-4:** Login with your credentials to verify the mobile number, email ID and then upload the documents, Lock the profile and Pay the Fees online, using ATM-Debit Card / Credit Card / Internet Banking / UPI etc.

### Course Content

Day	Topic	Day	Topic
Day#01	Intro of Programming, Algorithms, Flow-charts, Programming Languages, Compilation, Linking and Loading.	Day#11	Inbuilt Function of String
Day#02	Types of Operators, Basic programming Examples	Day#12	Pointers, Types of Pointer
Day#03	Managing Input and Output with examples	Day#13	Storage Class in C
Day#4	<ul style="list-style-type: none"> <li>Control Statement</li> </ul> if, if...else, else...if...else statement with examples	Day#14	Structure & Union
Day#5	Switch Statement with examples	Day#15	Concept of Functions, Prototype of a function: Formal parameter list, Return Type
Day#6	Loops: While loop, For loop, break and continue statements with examples	Day#16	Passing arguments to a Function: call by reference, call by value
Day#7	Nesting of loops	Day#17	Recursion function
Day#8	Concept of Array and its operations	Day#18	File Handling in C
Day#9	Matrix (2D Array) Operation with examples	Day#19	Error Handling Functions of File
Day#10	String Handling in C	Day#20	Self-Referential Structures and Linked Lists

### Course Coordinator

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