CODING PRO ACADEMY

C++ PROGRAMMING

Build Strong Logic. Create Powerful Programs.

C++ is a powerful language used for system software, game development, competitive programming, and applications that demand performance and efficiency.



DURATION 2 MONTHS

COURSE CURRICULUM

TOPICS	SUB TOPICS	
1. Introduction to C++	Introduction to C++ VS Code Setup Data Types Type Casting Buffer in C++	C++ OOP Concepts Variables and Naming Rules User-Defined Data Types Input & Output in C++
2. Operators and Expression	Operators	Types of Operators
3. Flow of Control	Flow of Control (If-Else)	Flow of Control (Goto Statements)
4. Loops	For Loops	Continue and Break Statements
5. Array and Functions	Arrays Functions	Types of Arrays Types of Functions
6. Strings	Introduction to Strings String-Based Programming Questions	String Functions
7. Pointers, Structure and Union	Concept of Pointers, Structure and Union	
8. OOP	Introduction to OOP Concepts Inheritance	Types of Constructors Operator Overloading
9. Data Structure	Introduction to Data Structures	Lists, Arrays and Stack
10. Searching and Sorting	Searching	Sorting
11. File Handling	File Handling in C++	
12. Final Practical Assignments and Coding Exercises		

ONLINE & OFFLINE LEARNING | **CERTIFICATE AVAILABLE** | **LED BY IIT / IIM ALUMNI** | **AI INTERVIEW & RESUME BUILDER**

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