LEARN 2 EARN LABS

C++ Programming

Start your programming Journey with C++

Curriculum Brochure

C++ Programming Language

C++ programming language is a popular general-purpose programming language that was developed in the 1980s as an extension of the C programming language. It is an object-oriented language that provides features such as classes, inheritance, polymorphism, and encapsulation. C++ is widely used for developing a variety of applications, including desktop, mobile, and core applications, as well as system software, embedded systems, and games.

C++ can be used for a wide range of applications, from small console applications to large enterprise systems. It is also widely used in the development of system software and embedded systems, where low-level hardware access is required. C++ code can execute at near-native speeds, making it a good choice for high-performance applications like video games, scientific simulations, and financial modeling. C++ also has a large number of libraries and frameworks that can be used to accelerate development and reduce time-to-market.

Learning C++ programming language is important for getting a job in the technology industry for several reasons. By learning C++, you will develop skills that are in high demand and increase your value as a job candidate. many companies in the technology industry require knowledge of C++ programming language for certain job roles, especially those related to system programming and game development. If you want to work on developing a video game, knowledge of C++ programming language is also essential.

Learning C++ programming language can make you a more versatile and valuable candidate in the job market. C++ is a widely-used language that is used in a variety of industries, including aerospace, defense, automotive, and telecommunications. By learning C++, you will open up opportunities to work in these industries and develop skills that are in high demand.

C++ programming language has a wide scope in the technology industry, and learning it can open up a variety of job opportunities. Its efficiency, versatility, and popularity make it an essential language for many programming tasks, including system programming, embedded systems, and game development.

In conclusion, By learning C++ programming language, you will develop skills that are in high demand and increase your value as a job candidate in the technology industry.

C++ Programming Training Program

This program is designed to train students with the skills and experience to understand the C++ programing concepts and their implementation to develop projects.

Practical Based Sessions
Training program available in four months & six months duration

Dummy Projects
To build your hands-on expertise & portfolio

Resume Building Assistance
To create an attractive resume for your candidature

Interview Preparation
So you can present your skills in a better way

Mentoring & Job Assistance
To help you in getting good career or placements

Who can join

Any student can join the C++ programming training program . The student must have interest in programming with basic c programming and basic computer knowledge.

Students from any specializations of B.Tech / M.Tech / BCA / MCA / B.Sc. / M.Sc, who are looking to learn programming and enhance their practical skills can join the C++ programming training program.

Working professionals or job seekers, who are looking to enhance their programming skills can join the C++ programming training program.

Training Mode

Online Live Classes are available

- 4x more effective way of learning
- Hands-on experience with projects & assignments
- Virtual class with real interaction with trainer
- Monitoring support & troubleshooting issues
- Masterclass from industry experts & leaders
- Live class recordings for revision purpose

C++ Programming Training in Agra

Learn2Earn Labs

F-4, First Floor, Anna Ikon Complex, In Front of Deviram Food Circle, Sikandra-Bodla Road, Sikandra, Agra, Uttar Pradesh – 282007

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Training Modules

Objectives :

The training objective of a C++ programming language course is to provide students with a strong foundation in object-oriented programming and an understanding of the syntax, semantics, and fundamental concepts of C++. The course aims to teach students how to develop efficient and effective C++ programs using features such as classes, inheritance, polymorphism, & encapsulation and learn to implement good programming practices, including proper code organization, efficient memory management, and error handling.

Module 1 : C++ Core Programming (30 Hours/Days)

Introduction to C++, First C++ Program, How C++ differs from C, Variables Declaration, Function overloading, Optional Parameters, Reference Variables, Operator overloading, Basics of Console Input and Output, Constant Pointers, Dynamic Memory Allocation, Operators - arithmetic, assignment, logical, bitwise, Conditions like if / else / switch, Arrays / multi-dimensional arrays, Loops - for / while / do-while, Functions, overloading functions, passing variables to functions, Structures, References, Pointers, C++ programs & Practices.

Module 2 : C++ Advance Programming (30 Hours/Days)

Overview of OOPs Principles, Introduction to classes & objects, Creation & destruction of objects, Data Members, Member Functions, this Pointer, Constructor & Destructor, Static class member, Friend class and functions, Namespace.

Introduction to inheritance and benefits, Access Specifier, Base and Derived class Constructors, Types of Inheritance, Down casting and up casting, Function overriding, Virtual functions, Destructor overriding, Polymorphism, Pure virtual functions, Virtual Base Class, C++ Class Hierarchy, File Stream, Text File Handling, Binary File Handling, Error handling during file operations, Overloading << and >> operators, Introduction to Exception, Benefits of Exception handling, Try and catch block, Throw statement, Pre-defined exceptions in C++, Writing custom Exception class, Stack Unwinding, C++ Templates, Function Templates, Class Templates.

Module 3 : Assignments & Interview Preparation

This module is available for those who enroll in 60 days training program of C++ programming. The candidate will go through various assignments, and case studies to get hands-on experience. The candidate will also get trained in respect of cracking the viva and interviews.
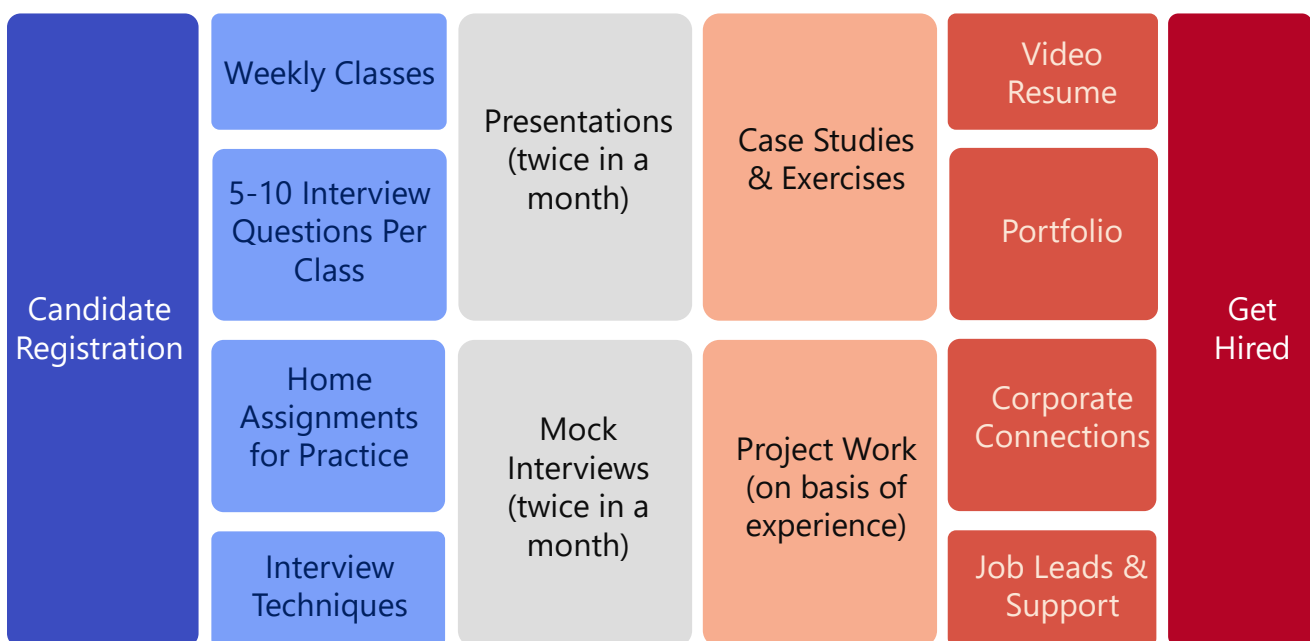
Module 4 : Minor Project Work

This module is available for those who enroll in 60 days training program of C++ Programming. The candidate will get the benefits of project guidance & project work during the training.

We follow a dynamic & vibrant
Job Assistance Execution Path

In present scenario providing job surety is easy, only we need to focus on outcome based learning and practical work enhancement. We know that every candidate is enough capable to understand the concepts and implement those concepts for improving his/her practical knowledge and experience.

Hence we are following a dynamic & vibrant Job Assistance Execution Path while conducting our job guarantee training programs and job assistance training programs. We are proud to say that we prepare candidates who can perform better throughout their professional journey and will always remains unbeatable.

Candidate Registration	Weekly Classes	Presentations (twice in a month)	Case Studies & Exercises	Video Resume	Get Hired
	5-10 Interview Questions Per Class			Portfolio	
	Home Assignments for Practice	Mock Interviews (twice in a month)	Project Work (on basis of experience)	Corporate Connections	
	Interview Techniques			Job Leads & Support	

We also offers
Variety of Job Oriented Training Programs

Java Full Stack Duration : 4 months | 6 Months	**Full Stack Web Development** Duration : 4 months | 6 Months	**8 LPA+ Job Guarantee** **Full Stack Software Engineer** Duration : 1 Year | 600 Hours
Cloud Computing & DevOps Duration : 4 months | 6 Months	**Digital Marketing** Duration : 6 months | 1 Year	**Data Science & ML** Duration : 4 months | 6 Months

Learn2Earn Labs

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