

Day Wise Agenda – C++ Language

Day	Topic	Sub Topic
Day 1,2	Introduction of C++ Language.	<ul style="list-style-type: none"> ❖ Structure of C++, Compilation, Execution ❖ Control instructions ❖ cout() and cin()
Day 3,4,5	Functions in C++	<ul style="list-style-type: none"> ❖ Call by value ❖ Call by reference ❖ Call by passing address ❖ Inline function ❖ Function overloading
Day 6,7	Structure in C++	<ul style="list-style-type: none"> ❖ Difference between structure in C and C++. ❖ Class and structure are similar in C++
Day 8,9	Class and Objects	<ul style="list-style-type: none"> ❖ Data members and Member Functions ❖ Access specifier ❖ Function called by passing Object and returning an Object
Day 10,11,12,13	Constructor and Destructor and Static keyword	<ul style="list-style-type: none"> ❖ Constructor and its use ❖ Destructor and its use ❖ Static keyword ❖ Static variable. ❖ Static function.
Day 14,15,16,17	Operator overloading	<ul style="list-style-type: none"> ❖ Overloading of unary(-) ❖ Overloading of (==) operator ❖ Overloading of pre-increment and post increment
Day 18,19,20	Friend function	<ul style="list-style-type: none"> ❖ Overloading using friend function
Day 21,22,23	Type Conversion	<ul style="list-style-type: none"> ❖ Basic to Class ❖ Class to Basic ❖ Class to Class
Day 24,25,26,27	Inheritance	<ul style="list-style-type: none"> ❖ Types of Inheritance ❖ Function overriding ❖ Virtual function
Day 28	Class Test 1: - Test on topic covered in first 27 days	
Day 29,30,31	Virtual Function	<ul style="list-style-type: none"> ❖ Dynamic memory allocation: - New and Delete ❖ this pointer ❖ Early and late binding
Day 32,33	Generic Functions and Class Template	<ul style="list-style-type: none"> ❖ Generic functions ❖ Generic class
Day 34,35,36,37	File Handling	<ul style="list-style-type: none"> ❖ About Function open() and file open modes ❖ Reading and Writing ❖ List of important function to handle file
Day 38	Class Test 2: - Test on topic covered days 29 to 37.	
Day 39	Test on topic covered days 01 to 37	
Day 40	Doubt Session	

Note: **Assignments (Home Work or Practise Session) are provided for after completion of every chapter.**

Schedules are approximately calculated. Actual schedule may vary as per learner's ability.

Average course duration will take approximately 40 classes. Excluding holidays.