



Course Code : CPPWLX

Course Title

C++ programming on Windows and Unix as Common Part
Fees : 3300 Rs ***Duration: 70 hr***

Course Details :

Common Approach to C++ programming for Both Windows and any Unix and Linux Operating Systems

Difference between C and C++	OOPS concepts
Tokens, Expressions and Control Structure	
Functions	User defined data types
<ul style="list-style-type: none"> ■ prototype ■ call by reference and return by reference ■ inline functions ■ Default and constant arguments ■ function overloading ■ friend and virtual function 	<ul style="list-style-type: none"> ■ structures ■ Classes ■ Objects
Constructors and Destructor	Operator overloading and type conversion
<ul style="list-style-type: none"> ■ parameterized constructors ■ multiple constructors ■ copy constructors ■ dynamic constructors ■ Destructor 	<ul style="list-style-type: none"> ■ unary ■ binary ■ rules for overloading ■ type conversion
Inheritance	Pointers and polymorphisms
<ul style="list-style-type: none"> ■ types of inheritance ■ Derived class ■ virtual class ■ Abstract class ■ Constructors in derived class ■ nesting of classes 	<ul style="list-style-type: none"> ■ pointer to object ■ this pointer ■ pointer to derived class

File handling	
Templates	Exception handling
<ul style="list-style-type: none"> ■ class templates ■ function templates 	<ul style="list-style-type: none"> ■ handling mechanism ■ throwing mechanism ■ catching mechanism ■ re throwing mechanism
Introduction to Standard Template Library	Introduction to namespace
Introduction to Data Structures	
<ul style="list-style-type: none"> ■ lists ■ stacks ■ Queues ■ trees ■ Sorting methods ■ Searching techniques 	