

Short Term Courses – NIELIT Delhi Centre

C & C++

Objective of the Course:

The course is designed for to providing knowledge of C & C++. Students will be able to develop logics which will help them to create programs, applications.

Learning Outcomes:

After the completion of this course, the students will be able to develop applications in C & C++.

Duration of course-80 hours

Eligibility Criteria: Knowledge of basic Computer Concepts

Outline of Course

S. NO.	TOPICS	Hours
1.	Fundamentals of C language & Control Statements	10
2.	Loop Control Structures & Arrays, Strings & Functions	18
3.	Structure ,Union, Pointers, File handling,	12
4.	Fundamentals of C++	6
5.	Class & Object, Operator Overloading	16
6.	Inheritance & Polymorphism	10
7.	Exception handling & Templates	8
	Theory / Lecture Hours	40 Hours
	Practical Hours	40 Hours
	Total Hours	80 Hours

Books Recommended for Reading and Reference:

1. Programming In Ansi C -by E. Balagurusamy
2. Let us C – by Yashavant P. Kanetkar
3. A First Course in Programming with C- by T Jeyapoovan
4. Object- Oriented Programming with C++ by E. Balaguruswamy
5. C/C++ Programmer's Reference by Herbert Schildt 1997