National Institute of Electronics & Information Technology (NIELIT)

Lucknow

Name of Division: Training

Name of Course: Summer Training Program on C & C++.

Objective: By the end of this course, you will understand programming language, concepts of Loops, reading a set of Data, stepwise refinement algorithm flow chart, Functions, Control structure, Arrays. Handling File in "C". Understand how to use object-oriented design principles in the context of the C++ language. Understand key concepts such as Inheritance, polymorphism, constructors & destructors and data abstraction.

Duration: 6 Weeks

Eligibility: BE/BTech/MCA/BCA/Diploma/PGDCA/O-Level/A-Level/12th/equivalent Pursuing or Pass-out.

Course Fees (Proposed): 6000+GST as applicable.

Registration Process: Candidates have to apply in prescribed application form. The forms can be collected from NIELIT Lucknow centre .The duly filled form along with the course fees has to be submitted at NIELIT Lucknow Centre. The Fees deposited is Non-Refundable.

Course Contents:

C Language		
S.No	**Contents**	**No. of Lectures**
1	Introduction to C. Types of Programming Language.	1 Day
2	C Fundamentals-- C character set keywords, data types, & Constants etc.	1 Day
3	Operator & Expression-unary, binary & ternary etc.	1 Day
4	Control Statement & storage classes.	3 Days
5	Function.	2 Days
6	Arrays & Pointer.	3 Days
7	Structure & Union.	2 Days
8	File handling in C.	2 Days
Object Oriented Programming in C++		
1	Introduction to C++.	1 Day
2	Principles of object oriented Programming.	1 Day
3	Tokens, Expressions and Control structures, function in C++.	3 Days
4	Classes and objects.	1 Day
5	Polymorphism, Constructors and Destructors.	3 Days
6	Inheritance.	3 Days
7	Templates & Exception Handling.	1 Day
8	Manipulating Strings.	2 Days

∗ There will be 3 Hours Session per day.

∗ These sessions will include Theory Classes, Demo and Practical.

 Mode of Payment: Fees can be paid either by swiping debit/credit card.

For any queries and more details please contact- Raja Ram (7706009313)