

# National Institute of Electronics and Information Technology Gorakhpur

**Name of Group:** IT Division

**Name of Course:** Summer Training Program on “Object Oriented Programming with C++”

**Objective:** By the end of this course, you will be able to:

Read and write C++ code

- Use C++ interfaces and libraries
- Understand how to use object-oriented design principles in the context of the C++ language
- Understand key concepts such as abstract interfaces, polymorphism, and data abstraction

**Duration:** 6 Weeks

**Eligibility:** BE/BTech/Diploma/PGDCA/O-Level/A-Level/equivalent Pursuing or Pass-out

**Course Fees (Proposed):** Rs.1000/- per week (+GST)

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

## **Course Content:**

1 Introduction to OOP's concept 2 Data types. Operator & Logical /looping 3 Functions and arrays 4 Classes & objects 5 Inheritance 6 Polymorphism 7 Operator overloading 8 Function overloading 9 Exception handling 10 File Handling Operations 08 hrs 11 Introduction to Template 05 hrs

S.No.	Topic	Minimum No. of Hours
1.	Introduction to OOP's concept	
2.	Data types, Operator & Logical / Looping	
3.	Functions and arrays	
4.	Classes & objects	
5.	Inheritance	
6.	Polymorphism	
7.	Operator overloading	
8.	Function overloading	
9.	Exception handling	
10.	File Handling Operations	
11.	Introduction to Template	

- \* 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 or by challan.

**For any queries and more details please contact Dr. Rajkumar (8317093873)**