

**PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
PANIPAT**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
COURSE PLAN**

Name: - Gaurav Gambhir

Subject Name: - Object Oriented Programming

Branch/Semester: - 3rd Sem

Subject Code:-PC-CS-203-OOP

Sr. No.	Lecture No.	Topics To Be Covered	Planned on	Covered On	Remarks
1	L 1	Introduction to C++,	16 July 2019		
2	L 2	C++ Standard Library,	17 th July 2019		
3	L 3	Illustrative Simple C++ Programs.	22 nd July 2019		
4	L 4	Header Files, Namespaces,	23 rd July 2019		
5	L 5	Application of object oriented programming.	24 th July 2019		
6	L 6	Object Oriented Concepts,	29 th July 2019		
7	L 7	Introduction to Objects and Object Oriented Programming	30 th July 2019		
8	L 8	Encapsulation	31 st July 2019		
9	L 9	Overloading	5 th Aug 2019		
10	L 10	Abstract Classes	6 th Aug 2019		
11	L 11	Accessifier (public/ protected/ private)	7 th Aug 2019		
12	L 12	Class Scope and Accessing Class Members	12 th Aug 2019		
13	L 13	Controlling Access Function	13 th Aug 2019		
14	L 14	Constant	14 th Aug 2019		
15	L 15	Class Member	19 th Aug 2019		
16	L 16	Structure and Class	20 th Aug 2019		
17	L 17	Friend Function and Friend Classes,	21 st Aug 2019		
18	L 18	This Pointer,	26 th Aug 2019		
19	L 19	Dynamic Memory Allocation and Deallocation (New and Delete)	27 th Aug 2019		

20	L 20	Static Class Members	28 th Aug 2019		
21	L 21	Constructors, parameter Constructors	2 nd Sep 2019		
22	L 22	Copy Constructors	3 rd Sep 2019		
23	L 23	Introduction of inheritance	4 th Sep 2019		
24	L 24	Overriding Base Class Members in a Derived Class	9 th Sep 2019		
25	L 25	Public, Protected and Private Inheritance,	10 th Sep 2019		
26	L 26	Effect of Constructors and Destructors of Base Class in Derived Classes.	11 th Sep 2019		
27	L 27	Polymorphism,	16 th Sep 2019		
28	L 28	Pointer to Derived class	17 th Sep 2019		
29	L 29	Virtual Functions	18 th Sep 2019		
30	L 30	Abstract Base Classes	22 nd sep 2019		
31	L 31	Virtual Destructors.	23 rd Sep 2019		
32	L 32	Fundamentals of Operator Overloading, Rules for Operators Overloading,	24 th Sep 2019		
33	L 33	Implementation of Operator Overloading Like <<, >>	30 th Sep 2019		
34	L 34	Unary Operators	1 st Oct 2019		
35	L 35	Text Streams and binary stream	7 th Oct 2019		
36	L 36	Sequential and Random Access File	8 th Oct 2019		
37	L 37	Stream Input/ Output Classes,	9 th Oct 2019		
38	L 38	Stream Manipulators.	14 th Oct 2019		
39	L 39	Basics of C++ Exception Handling, Try, Throw, Catch, multiple catch, Re-throwing an Exception,	15 th Oct 2019		
40	L 40	Exception specifications.	16 th Oct 2019		
41	L 41	Templates: Function Templates,	28 th Oct 2019		
42	L 42	Overloading Template Functions,	5 th Nov 2019		
43	L 43	Class Template, Class Templates and Non- Type Template arguments.	12 th Nov 2019		