PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY				
DEPARTMENT OF CSE (AI-ML)				
Subject: OOP **Subject Code:**PC-CS-AIML-205A				
Lesson Plan				
Lecture No.	**Topic to be covered**	**Unit**	**Assignment**	**Mode of Teaching**
1	Introduction to C++, C++ Standard Library	CO1	Assignment1	White Board/PPT/Other
2	Illustrative Simple C++ Programs. Header Files, Namespaces, Application of object oriented programming	CO1	Assignment1	White Board
3	Object Oriented Concepts, Introduction to Objects and Object Oriented Programming,	CO1	Assignment1	White Board
4	Polymorphism, Overloading, Inheritance	CO1	Assignment1	White Board
5	Encapsulation, , Abstract Classes, , Controlling Access Function	CO1	Assignment1	White Board
6	Accessifier (public/ protected/ private),	CO1	Assignment1	White Board
7	Class Scope and Accessing Class	CO1	Assignment1	White Board
8	Members Constant, Class Member, Structure and Class	CO1	Assignment1	White Board
9	REVIEW LECTURE	CO1	Assignment2	White Board
10	Friend Function and Friend Classes,	CO2	Assignment2	White Board/Oral Test
11	This Pointer	CO2	Assignment2	White Board

12	Dynamic Memory Allocation and Deallocation (New and Delete),	CO2	Assignment2	White Board
13	Static Class Members, Constructors	CO2	Assignment2	White Board
14	parameter Constructors and Copy Constructors, Deconstructors,	CO2	Assignment2	White Board
15	Introduction of inheritance, Types of Inheritance,	CO2	Assignment2	White Board
16	Overriding Base Class Members in a Derived Class, Public, Protected and Private Inheritance,	CO2	Assignment2	White Board
17	Effect of Constructors and Deconstructors of Base Class in Derived Classes.	CO2	Assignment2	White Board
18	REVIEW LECTURE	CO2	Assignment2	White Board
19	Polymorphism, Pointer to Derived class	CO3	Assignment2	White Board
20	Virtual Functions, Pure Virtual Function, Abstract Base Classes	CO3	Assignment3	White Board
21	Static and Dynamic Binding, Virtual Deconstructors	CO3	Assignment3	White Board
22	Fundamentals of Operator Overloading, Rules for Operators Overloading	CO3	Assignment3	White Board

23	Implementation of Operator Overloading Like <<,>> Unary Operators	CO3	Assignment3	White Board
24	Binary Operators	CO3	Assignment3	White Board
25	REVIEW LECTURE	CO3	Assignment3	White Board
26	EXAMPLES OF PROGRAMS	CO3	Assignment3	White Board
27	PRACTICE	CO3	Assignment3	White Board
28	Text Streams and binary stream,	CO4	Assignment4	White Board
29	Sequential and Random Access File	CO4	Assignment4	White Board
30	Stream Input/ Output Classes, Stream Manipulators.	CO4	Assignment4	White Board
31	Basics of C++ Exception Handling, Try, Throw, Catch, multiple catch	CO4	Assignment4	White Board
32	Re-throwing an Exception, Exception specifications	CO4	Assignment4	White Board
33	Templates: Function Templates, Overloading Template Functions	CO4	Assignment4	White Board
34	Class Template, Class Template	CO4	Assignment4	White Board
35	Non- Type Template arguments	CO4	Assignment4	White Board
36	REVIEW LECTURE		Assignment4	White Board
37	Previous Year Question Paper		Assignment4	Discussion

38	Previous Year Question Paper		Assignment4	Discussion
38	Previous Year Question Paper		Assignment4	Discussion