

GOVERNMENT GIRLS POLYTECHNIC BILASPUR
DEPARTMENT OF COMPUTER SCIENCE
LESSON PLAN

Session start date as per University Calendar- 20/01/2025

Course Name : Object Oriented Programming using C++

Course Code : 22022471(022)

Name of Subject teacher : Mrs ASHA MIRI

Lecture plus Tutorial/Week : 2

LESSON PLAN		
SESSION: Jan-June 2025		
Discipline : CSE		Semester : 4th
Chapter/Unit No.	Topics/Subtopics to be covered under this unit	No. of periods planned
Chapter-1 Create an object Oriented Program for given real life problem	Evolution of OO Programming. Comparision of POP and OOP.	1
	Features of Object Oriented Programming. Benefits of Object Oriented Programmiong.	2
	Applications of Object Oriented Programming Keywords in C++ Structure of C++ Program	2
	Basic Data Types Operators	2
Assignment Given Date-		
Chapter-2 Create Objects and Member Functions using concepts of Class	Functions in C++ Function Prototype, Call by reference	2
	Nesting Member Function Recursive Function and Function Overloading	2
	Classes and Objects Types of Classes Specifying class definition-data member and member functions	2
	Object creation Memory alloction for Objects.	2
	Array as a class member Array of Objects Passing object as an function argument	2
	Static data member and member function Access specifiers C++ Streams	1

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Assignment Given Date-		
Chapter-3 Use Constructor and Destructors in C++ Programming	Constructors Initialization using constructor Multiple Constructor in a class	2
	Types of Constructors	3
	Constructor with default arguments Destructor	
Assignment Given Date-		
Chapter-4 Apply the concept of inheritance in C++	Defining Operator Overloading Rules for Operator Overloading	2
	Overloading unary and binary operator using member function and	2
	Types of Inheritance	2
Assignment Given Date-		
Chapter-5 Demonstrate the use of Polymorphism and pointers in C++ Programming.	Introduction to Polymorphism and its types	2
	Pointers in C++ Pointner to Object	
	This Poingter Pointer to derived class	2
	Virtual function Pure virtual function Virtual Constructor and Destructor	2
Assignment Given Date-		
Total Period		35

Class room Instruction End date:-
Subject Teacher : Asha Miri


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