

GOVERNMENT GIRLS POLYTECHNIC BILASPUR
DEPARTMENT OF COMPUTER SCIENCE

LESSON PLAN

Session -Jan-June 2026

Session start date as per University Calendar- 27/01/2026
 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 2026		
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 Comparison 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	1

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Assignment Given Date-		
Chapter-3 Use Constructor and Destructors in C++ Programming	Constructors	2
	Initialization using constructor Multiple Constructor in	3
	Types of Constructors	
	Constructor with default arguments Destructor	
Assignment Given Date-		
Chapter-4 Apply the concept of inheritance in C++	Defining Operator Overloading	2
	Rules for Operator Overloading	2
	Overloading unary and binary operator using member function and friend function	
	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++ Pointer to Object	
	This Pointer 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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(Name and signature)