



Aggarwal College Ballabgarh

LESSON PLAN 18 WEEKS (JAN-APRIL)-2025

NAME OF ASSISTANT/ASSOCIATE PROFESSOR: Ms. Rakhi
DEPT. – COMPUTER SCIENCE

CLASS: BSC. CS	SEMESTER:II	SECTION:CS
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SUBJECT: Object Oriented Programming using C++ (24CSCM402DS01)

Week		
1	7-1-2025	
	8-1-2025	
	9-1-2025	
	10-1-2025	
	11-1-2025	
	12-1-2025	S. U. N. D. A. Y.
2	13-1-2025	
	14-1-2025	
	15-1-2025	
	16-1-2025	
	17-1-2025	
	18-1-2025	
	19-1-2025	S. U. N. D. A. Y.
3	20-1-2025	
	21-1-2025	

	22-1-2025	
	23-1-2025	
	24-1-2025	
	25-1-2025	
	26-1-2025	REPUBLIC DAY/S. U. N. D. A. Y.
4	27-1-2025	
	28-1-2025	
	29-1-2025	
	30-1-2025	
	31-1-2025	
	1-2-2025	
	2-2-2025	S. U. N. D. A. Y/BASANT PANCHAMI
5	3-2-2025	Introduction to OOP: Paradigms of Programming Languages, Evolution of OO Methodology
	4-2-2025	Comparison with procedural programming, Characteristics of Object-Oriented programming, Advantages, disadvantages and applications of OOPS.
	5-2-2025	
	6-2-2025	
	7-2-2025	
	8-2-2025	
	9-2-2025	S. U. N. D. A. Y
6	10-2-2025	Basics of C++ Language: Data Types, Variables, Operators, Expressions, Structure of a C++ program, Creating the source files
	11-2-2025	Compiling and linking programs. Creating classes and Objects, Arrays, Strings, Structure, Recursion, and Control Statements
	12-2-2025	
	13-2-2025	
	14-2-2025	

	15-2-2025	
	16-2-2025	S. U. N. D. A. Y.
7	17-2-2025	Assignment 1, Test
	18-2-2025	GURU RAVIDAS JAYANTI
	19-2-2025	
	20-2-2025	
	21-2-2025	
	22-2-2025	
	23-2-2025	S. U. N. D. A. Y.
8	24-2-2025	Classes and Objects: Defining and using classes and objects, Member functions and data members
	25-2-2025	Access specifiers: public, private, protected, Functions and parameter passing in C++, Arrays and strings in C++
	26-2-2025	
	27-2-2025	
	28-2-2025	
	1-3-2025	
	2-3-2025	S. U. N. D. A. Y.
9	3-3-2025	Pointer, Constructors and destructors
	4-3-2025	Inheritance: Derived class and Base class, Types of inheritance: single, multiple, multilevel, hierarchical, Access control in inheritance.
	5-3-2025	
	6-3-2025	
	7-3-2025	
	8-3-2025	
	9-3-2025	S. U. N. D. A. Y.
10	10-3-2025	Assignment 2, Test

	11-3-2025	Polymorphism: Definition, Function overloading, Operator overloading,
	12-3-2025	
	13-3-2025	
	14-3-2025	
	15-3-2025	
	16-03-2025	S. U. N. D. A. Y.
11	17-3-2025	Virtual functions and dynamic polymorphism, Abstract classes and pure virtual functions,
	18-3-2025	Encapsulation and data hiding, Friend function, Static function
	19-3-2025	
	20-3-2025	
	21-3-2025	
	22-3-2025	
	23-3-2025	S. U. N. D. A. Y.
12	24-3-2025	Memory Management: Dynamic Memory Allocation: new, delete, Object Creation at run time.
	25-3-2025	Presentation , Assignment 3
	26-3-2025	
	27-3-2025	
	28-3-2025	
	29-3-2025	
	30-3-2025	S. U. N. D. A. Y.
13	31-3-2025	Exception handling: Throwing, Catching, Re-throwing an exception
	1-4-2025	specifying exception: processing unexpected exceptions;
	2-4-2025	
	3-4-2025	

	4-4-2025	
	5-4-2025	
	6-4-2025	S. U. N. D. A. Y.
14	7-4-2025	try-catch blocks, Exception propagation
	8-4-2025	Templates: Class and Function templates
	9-4-2025	
	10-4-2025	
	11-4-2025	
	12-4-2025	
	13-4-2025	S. U. N. D. A. Y.
15	14-4-2025	Standard Template Library (STL): Benefits of STL
	15-4-2025	Generic programming.
	16-4-2025	MAHAVIR JAYANTI
	17-4-2025	
	18-4-2025	
	19-4-2025	
	20-4-2025	S. U. N. D. A. Y.
16	21-4-2025	Test
	22-4-2025	Revision
	23-4-2025	
	24-4-2025	
	25-4-2025	
	26-4-2025	
	27-4-2025	S. U. N. D. A. Y.

17	28-4-2025	Seminar
	29-4-2025	Test
	30-4-2025	
	01-05-2025	
	02-05-2025	
	03-05-2025	
	04-05-2025	S. U. N. D. A. Y.
18	05-05-2025	Revision
	06-05-2025	
	07-05-2025	Test of complete syllabus
	08-05-2025	
	09-05-2025	
	10-05-2025	
	11-05-2025	S. U. N. D. A. Y.

Signature