

LESSON PLAN

Academic Year	:	2023 – 2024
Year & Semester /section	:	II B.Tech. & I SEMESTER / SECTION – S2
Branch	:	COMPUTER SCIENCE & ENGINEERING
Subject Code & Name	:	20CS3351 & OOP Through C++ LAB
Name of Faculty	:	Mr. L V Krishna rao

CO1. Apply Object oriented principles/ C++ constructs for solving problems. (L3)

CO2. Implement programs as an individual on different IDEs/ online platforms.

CO3. Develop an effective report based on various programs implemented.

CO4. Apply technical knowledge for a given problem and express with an effective oral communication. (L3)

CO5. Analyse outputs using given constraints/test cases. (L4)

S.No.	Topic of syllabus to be covered	Learning out comes	Hours Required	Total no. of Hours (Cumulative)	Expected date of topic covered	Actual date of topic covered	Review/ Remarks (By HOD)
1	Demonstration of C structures and functions	Implement programs on structures and functions	3	3	07-08-2023		
2	Exercise 1 : Implement programs on predefined streams.	Implement programs on pre-defined streams (CO1- CO5 – L4)	3	6	14-08-2023		
3	Exercise 2 : Implement programs using functions (passing arguments, overloading).	Implement programs using functions (passing arguments, overloading). (CO1- CO5 – L4)	3	9	21-08-2023		
4	Exercise 3 : Implement programs using class/object concepts. (Access specifiers, class members, static members)	Implement programs using class/object concepts. (Access specifiers, class members, static members) (CO1- CO5 –	3	12	28-08-2023		

		L4)					
5	Exercise 4 : Implement programs using friend functions.	Implement programs using friend functions. (CO1- CO5 – L4)	3	15	04-09-2023		
6	Exercise 5 : Implement programs using constructor(s) and destructor.	Implement programs using constructor(s) and destructor. (CO1- CO5 – L4)	3	18	11-09-2023		
7	Exercise 6 : Implement programs using operator overloading.	Implement programs using operator overloading. (CO1- CO5 – L4)	3	21	09-10-2023		
8	Exercise 7 : Implement various types of inheritance techniques.	Implement various types of inheritance techniques. (CO1- CO5 – L4)	3	24	16-10-2022		
9	Exercise 8 : Implement programs using virtual functions to achieve polymorphism.	Implement programs using virtual functions to achieve polymorphism. (CO1- CO5 – L4)	3	27	30-10-2023		
10	Exercise 9 : Implement programs using FileStreams	Implement programs using FileStreams (CO1- CO5 – L4)	3	30	06-11-2023		
11	Exercise 10 : Implement programs on exception handling concepts.	Implement programs on exception handling concepts. (CO1- CO5 – L4)	3	33	13-11-2023		
12	Exercise 11 : Implement programs on generic programming concept with templates.	Implement programs on generic programming concept with templates. (CO1- CO5 – L4)	3	36	18-11-2023		
13	Exercise 12 : Implement containers in C++ (Sequence Containers and Associative Containers).	Implement containers in C++ (Sequence Containers and Associative Containers). (CO1- CO5 – L4)	3	39	20-11-2023		
14	Lab Internal Exam	Internal Lab Assessment Test	3		25-11-2023		

Signature of the Faculty
Date:

Signature of the HOD
Date: