C++ AND DATA STRUCTURE

Semester	Subject Code	Category	Lecture Hrs		Theory Hrs		Practical		Credits
			Per week	Per Sem	Per week	Per Sem	Per week	Per Sem	
II	21CCA21	CORE PRACTICAL – II	3	45	0	0	3	45	3

COURSE OBJECTIVE

➢ This practical help us to develops the Object Oriented Programming Concept using C++ and Data Structure.

C++ CONCEPTS

Operator Overloading

Friend function

Inheritance

Polymorphism

Files

DATA STRUCTURE

1. Implement PUSH, POP operations of stack using Arrays

2. Implement add, delete operations of queue using Pointers

3. Conversions of infix to postfix using stack operations

4. Addition of two polynomials using Arrays

5. Binary tree traversals [in-order, pre-order, and post-order] using linked list.

6. Depth First Search and Breadth first Search for Graphs.

Distribution of Marks: Program Output with Viva voce: 85% and Record: 15%

SYLLABUS DESIGNERS

• Mrs.G.SANGEETHA LAKSHMI, Assistant Professor & HOD, Dept of Computer Science & Applications

• Dr.R HAMSAVENI, Assistant Prof, Dept of Computer Science & Applications