II YEAR – III SEMESTER
COURSE CODE: 7BCE3P1

CORE COURSE-VI–DATA STRUCTURES AND COMPUTER ALGORITHMS LAB
(Using C and C++)

Group A
(Programs from Data Structures Using C)

1. Implementing Stack as an array.

2. Implementing Stack as a linked list.

3. Convert Infix expression to Postfix expression using stack.

4. Convert Infix expression to Prefix expression using Stack.

5. Implementing Queue as an Array.

6. Implement Queue as a linked list.

7. Binary tree traversals.

8. Implement Binary Search Tree.

Group B
(Programs from Computer Algorithms Using C++)

1. Linear Search

2. Binary Search

3. Bubble Sort

4. Insertion Sort

5. Merge Sort

6. Quick Sort

7. Selection Sort

Books for Reference:

1. C and C++ Programming concepts and Data Structures, P.S.Subramanyam, BS Publications,2013.

Note:
      One Question from Group A and another one Question from Group B is compulsory for University Examination.

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