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| **Sr. No.** | **Assignment Title** | **Date** | **Remark** |
| **1** | **Implementation of programs based on the following –** | | |
| 1.1 | Arrays |  |  |
| 1.2 | Addition, Subtraction and Multiplication of Matrices |  |  |
| 1.3 | Stack |  |  |
| 1.3.1.1 | Stack using array |  |  |
| 1.3.1.2 | Stack using linked list |  |  |
| 1.3.2.1 | Polish Notation – Infix to Postfix Expression |  |  |
| 1.3.2.1 | Polish Notation – evaluation of Postfix Expression |  |  |
| 1.4.1 | Circular Queue using array |  |  |
| 1.4.2 | De-Que using array |  |  |
| 1.5.1 | Linear Linked List (singly) |  |  |
| 1.5.2 | Circular Linked List (singly) |  |  |
| 1.5.3 | Doubly Linked List |  |  |
| 2 | **Implementation of programs for Searching and Sorting techniques –** | | |
| 2.1.1 | Linear Search (using array |  |  |
| 2.1.2 | Binary Search (using array) |  |  |
| 2.2 | Bubble sort |  |  |
| 2.3 | Selection sort |  |  |
| 2.4 | Insertion sort |  |  |
| 2.5 | Quick sort |  |  |
| 2.6 | Merge sort |  |  |