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| |  | | --- | | **Krishna Engineering College**  **Department of Computer Science and Engineering** | | | |  |
| **Name:**  **Roll No.:** | | |  |
|  |
| **Year/Semester:- 2nd/III** | | **Session:- 2020-21** |  |
| **Subject Name:- Data Structures** | | **Subject Code:- KCS-351** |  |
| **Faculty :-** | **Ms. Vaishali** | **Section/ Group:** |  |
|  |  |  |  |
| **S.No** | **Experiment /Program Name** | **Scheduled Date** | **Sign** |
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| 1 | Transpose of a matrix |  |  |
| 2 | Implementation of Single linked list |  |  |
| 3 | Implementation of double linked list |  |  |
| 4 | Implementation of circular linked list |  |  |
| 5 | Implementation of Stack using array |  |  |
| 6 | Implementation of Stack using linked list |  |  |
| 7 | Implementation of Queue using array |  |  |
| 8 | Implementation of Queue using linked list |  |  |
| 9 | Implementation of circular queue using array |  |  |
| 10 | Recursive implementation -Tower of Hanoi |  |  |
| 11 | Implementation of Linear search |  |  |
| 12 | Implementation of Binary search (using recursion and without using recursion) |  |  |
| 13 | Implementation of Bubble sort |  |  |
| 14 | Implementation of Selection sort |  |  |
| 15 | Implementation of Insertion sort |  |  |
| 16 | Implementation of Quick sort (using recursion and without using recursion) |  |  |
| 17 | Implementation of Binary creation and traversal |  |  |
| 18 | Implementation of BST creation and traversal |  |  |
| 19 | Implementation of BFS |  |  |
| 20 | Implementation of DFS |  |  |