**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**



Deemed to be University u/s 3 of UGC Act, 1956

University Practical Examinations

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| College Name / Campus | : | SRM Institute of Science and Technology, Kattankulathur | Regulations | : | 2018 |
| Degree | : | B.Tech | Specialization | : |  |
| Conducting Department | : |  | Month / Year | : | Nov/ Dec 2022 |
| Subject Code and Title | : | 18CSC201J/Data Structures and Algorithms Lab |  |  |  |

**List of Lab exercise**

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| 1. | Implementation of Searching - Linear and Binary Search Techniques |
| 2. | Implementation of sorting Techniques – Insertion sort and Bubble Sort Techniques |
| 3. | Implement Structures using Pointers |
| 4. | Implementation of Array – Insertion, Deletion. |
| 5. | Implementation of Linked List – single, double, Circular linked list. |
| 6. | Implementation of stack using array and Linked List |
| 7. | Implementation of Queue using Array and linked list, Circular Queue |
| 8. | Applications of Stack, Queue |
| 9. | Implementation of Tree using array |
| 10. | Implementation of BST using linked list |
| 11. | Implementation of Graph using Array |
| 12. | Implementation of Shortest path Algorithm |
| 13. | Implementation of Minimal Spanning Tree |