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| Sr. No. | Aim | Page No. | Date | Signature |
| 1. | To implement Quick Sort in C++ and plot the time complexity by calculating the no. of comparisons for input. |  | 14/03/2022 |  |
| 2. | To implement Merge Sort in C++ and plot the time complexity by calculating the no. of comparisons for input. |  | 14/03/2022 |  |
| 3. | To implement Selection Sort in C++ and plot the time complexity by calculating the no. of comparisons for input. |  | 11/04/2022 |  |
| 4. | Solve and implement Activity Selection Problem. |  | 18/04/2022 |  |
| 5. | Implement the Dijkstra Algorithm in C++ and analyse its complexity. |  | 02/05/2022 |  |
| 6. | Implement the Matrix-Chain multiplication Problem in C++. |  | 09/05/2022 |  |
| 7. | Implement the Longest Common Subsequence Problem in C++. |  | 09/05/2022 |  |
| 8. | Implement the N-Queens Problem using Backtracking in C++. |  | 23/05/2022 |  |
| 9. | Implement the m-Graph Coloring or Graph Coloring problem in C++ using Backtracking |  | 30/05/2022 |  |
| 10. | Implement the sum of subset problem in C++ using backtracking |  | 30/05/2022 |  |