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Class – II CSE B

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| 11/12/2024 | AVL Tree operations |
| 18/12/2024 | Implementation of Min- Heap  Implementation of Max-Heap |
| 08/01/2025 | Implement BFT for a given graph using Adjacency Matrix representation  Implement BFT for a given graph using Adjacency List Representation |
| 22/01/2025 | Implement DFT for a given graph using Adjacency Matrix representation  Implement BFT for a given graph using Adjacency List Representation |
| 29/01/2025 | finding the biconnected components in a given graph  Implementation of Quick Sort  Implementation of Merge Sort |
| 12/02/2025 | Implementation Fractional Knapsack problem using greedy strategy  Implementation of Job Sequencing with Deadlines problems using greedy strategy |
| 19/02/2025 | Implement Dijkstra’s algorithm for solving single source shortest path problem |
| 05/03/2025 | Design a program to solve 0/1 knapsack problem using Dynamic Programming  Implement Edit Distance algorithm to find the minimum edit sequence cost |
| 12/03/2025 | Implementation of N-Queens problem using backtracking.  Implementation of Graph-Coloring problem using backtracking |
| 19/03/2025 | Implementation of SumofSubsets problem using backtracking Implementation of Travelling Sales Person problem using Branch and Bound. |