In addition to the topics taught for MTE, these are topics for ETE (end term exam). The classes will be held till Jan 29, 2024.

Topics

Graph: Representations: Adjacency Matrices, Adjacency List, Graph Traversal: Depth First Search & Breadth First Search.

Minimum Cost Spanning Trees: Prims and Kruskal algorithm. Shortest Path algorithm: Warshal Algorithm.

Dynamic Programming: Elements of dynamic programming, longest common subsequence, 0/1 Knapsack.

Greedy Algorithms: Elements of the greedy strategy, Fractional knapsack

Back Tracking: N queens' problem

Counting Sort and Radix sort