

List of lab programs

Midterm

Sorting:

Lab-1

- 1) Insertion sort
- 2) Selection sort

Lab-2

- 1) Merge sort

Lab-3

- 1) Quick sort.
- 2) Heap sort

Searching:

Lab-4

Assignment: Radix, Counting, Bucket sort (sorting)

- 5) BFS, DFS

Final term

Greedy Algorithms:

Lab-5

- 1) Implement Activity selection problem using greedy algorithm.
- 2) Implement 0-1 knapsack algorithm.

Lab-6

- 1) Prim's algorithm.
- 2) Kruskals algorithm.

Lab-7

- 1) Dijkstra's algorithm
- 2) Bell man-ford algorithm

Lab-8

- 1) Floyd Warshall algorithm

Dynamic Programming:

Lab-9

- 1) Rod cutting problem