

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

SCHOOL OF COMPUTING

18CSC204J – DESIGN AND ANALYSIS OF ALGORITHMS

Week Wise Lab Schedule

2022-2023 Even Semester

S.No	Week	Exercise to be Completed
1	Week 1	Linear search
2	Week 2	Bubble sort, Insertion sort
3	Week 3	Merge sort
4	Week 4	Quick sort, binary Search
5	Week 5	Strassen Matrix multiplication, Maximum Subarray Sum
6	Week 6	Finding maximum and minimum in an array, Convex hull problem
7	Week 7	Huffman coding, Knapsack using Greedy
8	Week 8	Tree traversals, MST using Kruskal's algorithm
9	Week 9	Longest common subsequence
10	Week 10	N queen's problem
11	Week 11	Travelling salesman problem
12	Week 12	BFS and DFS implementation with array
13	Week 13	Randomized quick sort
14	Week 14	String matching algorithms
15	Week 15	Implement any problem statement with two different algorithm design strategy that you have learnt. Compare and contrast with its time complexity analysis. Submit the same as report.