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Sr. no.	Program Name	Date	R1	R2	R3	R4	R5	Total Marks	Signature
1.	To implement following sorting techniques and analyze their time complexity. a) Bubble sort b) Bucket sort c) Radix sort d) Shell sort e) Selection sort f) Heapsort g) Insertion Sort	21-09-2021 21-09-2021 28-09-2021 28-09-2021 28-09-2021 05-10-2021 05-10-2021							
2.	To implement Linear search and Binary search and analyse its time complexity.	19-10-2021							
3.	To implement divide and conquer techniques and analyse its time Complexity. a) Merge sort b) Quick sort c) Matrix Multiplication and Strassen's Algorithm	26-10-2021							
4.	To implement dynamic programming techniques and analyse its time complexity. a) LCS (Longest Common Subsequence) b) Matrix Chain Multiplication c) Optimal Binary Search d) Binomial Coefficient	09-11-2021							
5.	To implement Algorithms using Greedy Approach and analyse its time complexity. a) Knapsack problem b) Activity Selection c) Huffman Encoding d) Task Scheduling Problem	16-11-2021							
6.	To implement Dijkstra's Algorithm and analyse its time complexity.	30-11-2021							

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7.	To implement minimum spanning trees algorithm and analyse its time complexity.
	   a) Krushkal's Algorithm
	   b) Prim's Algorithm
		07-12-2021								

8.	To implement String matching algorithm and analyse its time complexity.
	   a) Naïve Algorithm
	   b) Rabin Karp Algorithm
	   c) Knuth Morris Pratt Algorithm
		14-12-2021								