|  |  |
| --- | --- |
| **NAME :** | **Ms. Neerja Doshi** |
| **UID** | **2021300029** |
| **DIV** | **SE CE Div A , Batch B** |
| **DESIGN AND ANALYSIS OF ALGORITHM** | |

**INDEX**

|  |  |  |  |
| --- | --- | --- | --- |
| **SR. NO.** | **AIM** | **PERFORMANCE DATE** | **SUBMISSION DATE** |
| 1.a | To implement the various functions e.g. linear, non-linear, quadratic, exponential etc. | 24 .01.2023 | 03.04.2023 |
| 1.b | Experiment No.1 Sorting Methods(Insertion and Selection) | 31.01.2023 | 01.05.2023 |
| 2 | Experiment No. 2 (Divide and conquer -Merge and Quick Sort) | 14.02.2023 | 01.05.2023 |
| 3 | Experiment No. 3 (Divide and Conquer -Strassen's Matrix Multiplication) | 28.02.2023 | 01.05.2023 |
| 4 | Experiment No. 4 (Dynamic Programming -Matrix Chain Multiplication) OR Experiment No. 4 (Dynamic Programming -Longest Common Subsequence) | 14.03.2023 | 01.05.2023 |
| 5 | Experiment No. 5 (Greedy approach - Fractional knapsack problem) | 20.03.2023 | 01.05.2023 |
| 6 | Experiment No. 6 ( Graph Algorithm - Single source shortest path algorithm. Dijkstra Algorithms | 28.03.2023 | 01.05.2023 |
| 7 | Experiment 7 using Backtracking strategy | 11.04.2023 | 01.05.2023 |
| 8 | Experiment 8 using branch and bound strategy | 18.04.2023 | 01.05.2023 |
| 9 | Experiment No. 9 Approximation algorithms (The vertex-cover problem) | 25.04.2023 | 01.05.2023 |
| 10 | Experiment 10 on string matching algorithms  ( Rabin-Karp and Naive) | 18.04.2023 | 01.05.2023 |