Department Of ___Information Technology___

Year and Course ___T.Y B.Tech___   PRN No.: ___123B1F033___

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Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Implement Merge Sort to efficiently organise large scale orders based on timestamp (Divide and Conquer)	—	7/7/25	4/8/25	©
2.	Implement Quick Sort to enhance personalised movie ranking and improve responsivessness (Greedy algorithm)	—	21/7/25	4/8	©
3.	Emergency Relief Supply Optimization using Fractional knapsack algorithm to max. utility value. (Greedy algorithm).	—	4/8/25	1/9/25	©
4.	SMART Traffic Management Implement Dijkstra's algorithm to determine optimal route under dynamic traffic conditions (Greedy algorithm).	—	11/8/25	15/9/25	©

This is certify that Shri. ___Jay Sudam Jadhav___ has carried out the

above mentioned ___DAA Lab.___ Practicals / Term Work

in the ___I.T___ Department of Pimpri Chinchwad College of Engineering, Pune-44.

3/11/5

Date : 03/11/25

Subject Incharge
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5.	Optimal Delivery Routing : Implement DP to identify cost effective delivery paths (Dynamic Programming)	—	28/8/25	15/9/25	Ⓒ
6.	Disaster Relief Resource : Allocation use 0/1 knapsack approach to optimize essential supply allocation. (Dynamic Programming).	—	1/9/25	6/10/25	Ⓒ
7.	University Exam Timetable Scheduling - Implement Graph colouring to generate efficient timetables ( )	—	15/9/25	6/10/25	Ⓒ
8.	Delivery Route Optimisation - Apply Branch and Bound algorithm to determine the least cost delivery route across cities. (Brand and Bound)	—	6/10/25	3/11/25	Ⓒ

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3/11/25

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Subject Incharge   Head of Department