PIMPRI CHINCHWAD EDUCATION TRUST'S

PIMPRI CHINCHWAD COLLEGE OF ENGINEERING

Sector No. 26, Pradhikaran, Nigdi, Pune - 411044

Department Of Information Technology

Year and Course T.Y. B.Tech (2025-26) PRN No.: 123B1F024

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Sr. No.	Title	Page No.	Date	Signature	Remarks
I.	Implement mergesort to efficiently organize large scale orders based on timestamp.	—	7-7-25	21/7	(C)
II.	Implement Quicksort to enhance personalized movie ranking & improve responsiveness	—	21-7-25	11/8	(C)
III.	Emergency relief supply optimization implement fractional knapsack algorithm to maximize utility value	—	04-08-25	25/8	(C)
IV.	Smart traffic management :- Implement dijkstra's algorithm to determine the optimal ambulance route under dynamic traffic conditions.	—	11-8-25	25/8	(C)
V.	optimal delivery routing - Implement DP to identify cost effective delivery paths	—	25-8-25	1/9	(C)

This is certify that Shri. Shravani Jaikade has carried out the above mentioned DAA Lab Practicals / Term Work in the I.T. Department of Pimpri Chinchwad College of Engineering, Pune-44.

3/11/25

H.O.D. Information Technology
Pimpri-Chinchwad College of Engineering
Sect. 26, Pradhikaran, Nigdi, Pune-411044

Date : 3/11/25

Subject Incharge Head of Department

Pimpri Chinchwad College of Engineering, Pune - 44

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VI.	Disaster relief resource allocation use 0/1 knapsack approach to optimize essential supply allocation within capacity limits.	—	1-9-25	6/10	
VII.	University Exam timetable scheduling. Implement graph coloring technique to generate conflict free & efficient timetables.	—	15-9-25	3/11/25	
VIII.	Delivery route optimization apply the branch & bound algorithm to determine the least cost delivery route across cities.	—	6-10-25	3/11/25	

This is certify that Shri. ~~Sid~~ Shravani Farkade has carried out the above mentioned DAA Lab~~oral~~ Practicals / Term Work in the I. T. Department of Pimpri Chinchwad College of Engineering, Pune-44.

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