

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.

PRN No.: 123B1F023

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Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Implement merge Sort to efficiently organize large scale orders based time	-	07/07	Jn 14/11	①
2.	Implement Quick Sort to enhance personalized movie ranking & improve responsive	-	21/07	Jn 28/11	①
3.	Emergency Relief Supply Optimization- Implement fractional knapsack algo. to maximize utility value within given weight const.	-	04/08	Jn 18/11	①
4.	Smart Traffic Management - Implement Dijkstra's algorithm to determine the optimal ambulance route under dynamic traffic conditions.	-	11/08	Jn 8/11	①

This is certify that Shri. Shravani V. Dham has carried out the above mentioned Design & Analysis Algorithm Practicals / Term Work in the I.T. Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 03/11/2025

*Jn
3/11/25*
 Subject Incharge
 Pimpri Chinchwad College of Engineering,
 Sector No. 26, Pradhikaran, Nigdi, Pune - 411044
 Head of Department
 Pimpri Chinchwad College of Engineering, Pune - 44

H.O.D. Information Technology
 Pimpri-Chinchwad College of Engineering,
 Sector No. 26, Pradhikaran, Nigdi, Pune - 411044

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5.	Optimal delivery Routing - Implement DP to identify cost effective delivery path	-	25/08	Jn 15/9.	(C)
6.	Disaster Relief Resource Allocation - Use 0/1 Knapsack approach to optimize essential supply allocation within limits.	-	01/09	Jn. 15/10	(C)
7.	University Exam Timetable Scheduling - Graph coloring technique for conflict free timetables.	-	15/09	Jn 15/10	(C)
8.	RDelivery Route Optimization - Implement the branch-and-bound algorithm to determine the least cost delivery route across cities.	-	6/10	Jn 9/11/25	(C)

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