

PIMPRI CHINCHWAD EDUCATION TRUST'S
PIMPRI CHINCHWAD COLLEGE OF ENGINEERING
 Sector No. 26, Pradhikaran, Nigdi, Pune - 411044

Department Of Information Technology

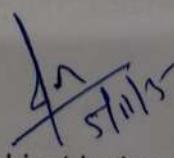
Year and Course T.Y B-Tech PRN No.: 123B1F003

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Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Implement Merge sort to efficiently organize large scale orders based on timestamp (Divide & conquer)	-	11/7/25	Jn X 8/8	○
2.	Implement Quick sort to enhanced personalised movie ranking and improve responsiveness (divide & conquer)	-	25/7/25	Jn X 12/9	○
3.	Emergency Relief supply optimization. Implement the fractional knapsack algorithm to maximise utility value within given weight constraint. (Greedy approach)	-	8/8/25	Jn X 12/9	○

This is certify that Shri. Piyush Chandrakant Badgavar has carried out the
 above mentioned DAA Lab Practicals / Term Work
 in the IT Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 5/11/25


H.O.D. Information Technology
Pimpri-Chinchwad College of Engineering
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Pimpri Chinchwad College of Engineering, Pune - 44

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4)	Smart Traffic Management - Implement Dijikstra algorithm to determine the optimal ambulance route under dynamic traffic condition	—	22/8/25	Jn 19/11	(c)
5)	optimal Delivery Routing Implement DP to identify cost effective delivery Path	—	12/9/25	Jn 19/11	Good
6)	Disaster Relief Resource Allocation - use 0/1 knapsack approach to optimization essential	—	19/9/25	Jn	Good

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7)	Supply allocation within capacity limit (Dynamic programming)				
7)	University Exam Timetable Scheduling - Implement Graph coloring Technique to generate conflict free & efficient timetable (Backtracking)	3/10/25	<i>Jr 3/10</i>	<i>Cred</i>	
8.	Delivery Route optimization apply the Branch & Bound Algorithm to determine at least cost	3/10/25	<i>Jr 3/10</i>	<i>©</i>	

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