

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

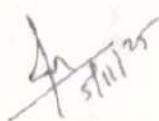
PRN No.: 123B1E04

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1.	Implement merge sort to efficiently organize large scale orders on timestamp (divide and conquer)	-	11/07/25	J.S. 8/7/25	(1)
2.	Implement Quicksort to enhance personalized movie ranking and improve responsiveness (divide and conquer)	-	25/07/25	J.S. 12/7/25	(2)
3.	Emergency Relief Supply optimization: Implement the fractional knapsack algorithm to maximize utility value within given weight constraint (Greedy Approach)	-	08/08/25	J.S. 19/7/25	(3)
4.	Smart traffic management		22/08/25		

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

Date : 05/11/25


 Subject Incharge H.O.D. Information Technology
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	Implement Dijksta algorithm to determine the optimal ambulance route under dynamic traffic conditions (Greedy Approach)		19/09/25		
5.	Optimal Delivery Routing Implement DP to identify Cost effective delivery paths (Dynamic programming)	—	19/09/25	Dr. Ashok Chormale	(1)
6.	Disaster Relief Resource Allocation - use all knapsack approach to optimization essential supply allocation within capacity limit (Dynamic Programming)	—	19/09/25	Dr. Ashok Chormale	(2)

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Date : 05/11/25

Dr. Ashok Chormale
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7	University Exam Timetable scheduling - Implement Graph Coloring Technique to generate conflict free and efficient timetable (Backtracking)	—	31/10/25	Dr. STILLS	(O)
8.	Delivery Route optimization apply the Branch and Bound Algorithm to determine the least cost delivery Route across cities (Branch and Bound)	—	31/10/25	Dr. STILLS	(O)

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