

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.T B.Tech PRN No.: 123B1F066

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Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Implement Merge Sort to efficiency organized large scale orders based on knapsack CD divide and conquer	-	9/12/25	dr db	ⓐ
2.	Implement Quick sort to enhance personalized movie ranking and improve responsiveness CD divide and Conquer	-	2-3/7/25	dr 10/9	ⓐ
3.	Emergency Relief Supply optimization: Implement the fractional knapsack algorithm to maximize utility value within given weight constraint weight (Greedy Approach)	-	6/8/25	dr 24/7	ⓐ

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

Date: 6/11/25

~~dr~~
5/11/25
 Subject Incharge
 Pimpri Chinchwad College of Engineering, Pune - 44

H.O.D. Information Technology
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4.	Smart Traffic Management Implement Dijkstra algorithm to determine the optimal ambulance route under dynamic traffic condition (Greedy Approach)	-	20/8/25	<i>[Signature]</i> 24/9	ⓐ
5.	Optimal Delivery Routing Implement DP to identify most effective delivery paths (Dynamic Programming)	-	10/9/25	<i>[Signature]</i> 1/10	ⓐ
6.	Disaster Relief Resource Allocation use 0/1 Knapsack approach to optimization essential supply allocation within capacity limit (Dynamic Programming)	-	24/09/25	<i>[Signature]</i> 8/10	ⓐ

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

Date : 5/11/25

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7.	University Exam Time table scheduling. Implement Graph Coloring Technique to generate conflict free and efficient timetable (Backtracking)	-	1/10/25	Dr. Shilpa	①
8.	Delivery Route Optimization apply the branch and bound algo to determine the least cost delivery Route cities (Branch and Bound)	-	8/10/25	Dr. Shilpa	②

This is certify that Shri. Neelam S. Nagrale has carried out the
 above mentioned DAA Laboratory Practicals / Term Work
 in the IT Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 05/11/25

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