

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

Department Of Information Technology  
 Year and Course TY B.Tech PRN No.: 18881P060

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Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Implement mergesort to efficiently organize large scale order on timestamp	-	8/7/25	X 18	@
2.	Implement quicksort to enhance personalize movie ranking improve responsive	-	22/7/25	X 19	O
3.	Emergency relief supply optimization implement the fractional knapsack algo. to maximize utility value within given weight constraint	-	5/8/25	X 20	O
4.	Smart traffic conditions implement dijkstras algorithm to determine the optimal ambulance route.	-	19/8/25	X 21	O
5.	Optimal delivery routing implement dp identify cost effective delivery path.	-	21/8/25	X 22	X O

This is certify that Shri. Machindra Mane 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

*✓ 5/11/25*  
 Subject Incharge **H.O.D. Information Technology**  
 Pimpri-Chinchwad College of Engineering  
 Sect. 26, Pradhikaran, Nigdi, Pune - 411044  
 Head of Department  
 Pimpri Chinchwad College of Engineering, Pune - 44

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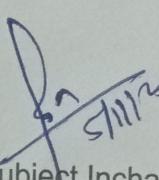
Year and Course TY B.Tech PRN No.: 1234567890

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Sr. No.	Title	Page No.	Date	Signature	Remarks
6.	Disaster relief resource allocation use 0/1 knapsack approach to optimize essential supply allocation within capacity limits	-	23/9/25	Jn 11/10	①
7.	university time table scheduling. implement graph coloring technique to generate conflict free & efficient time tables.	-	30/9/25	Jn 11/10	②
8	delivery route optimization Apply the branch and bound algorithm to determine the least cost delivery route across cities.	-	14/10/25	Jn 15/10	③

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