

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. IT - B.Tech PRN No.: 12381F007

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Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Implement merge sort to efficiently organize large scale orders based time	-	11/7/25	<i>[Signature]</i> 8/8	②
2.	Implement quick sort to enhance personalized movie ranking & improve responsive	-	25/7/25	<i>[Signature]</i> 8/8	②
3.	Emergency Relief supply optimization - Implement fractional knapsack algo. to maximize utility value with in given weight constraints.	-	8/8/25	<i>[Signature]</i> 149	②
4.	Smart Traffic Management Implement Dijkstra's algorithm to determine the optimal to determine the optimal ambulance route under dynamic traffic conditions.	-	22/8/25	<i>[Signature]</i> 149	②
5.	optimal delivery locating Implement DP to identify cost	-	12/9/25	<i>[Signature]</i> 310	②

This is certify that Shri. Vaishnavi Dada Bhange has carried out the above mentioned Design & Analysis of Algorithm Labo Practicals / Term Work in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 5/11/25

[Signature]
 Subject Incharge
 Pimpri Chinchwad College of Engineering, Pune - 44

H.O.D. Information Technology
 Pimpri-Chinchwad College of Engineering
 Sect. 26, Pradhikaran, Nigdi, Pune-411044
 Head of Department

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6.	effective delivery path Disaster Relief Resource Allocation - Use 0/1 knapsack approach to optimize essential supply allocation with limit	-	19/9/25	<i>[Signature]</i> 5/10	①
7.	university Exam Timetable scheduling - Graph coloring technique for conflict free timetables.	-	3/10/25	<i>[Signature]</i> 3/11/25	①
8.	Delivery Route optimization Implement the branch & bound algorithm to determine the least cost delivery route across cities	-	31/10/25	<i>[Signature]</i> 5/11	①

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