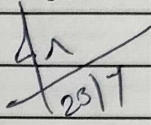
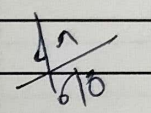
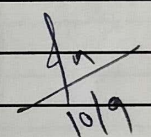
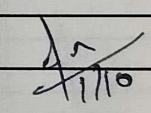
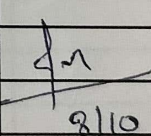


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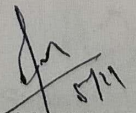
Year and Course TY B. Tech PRN No.: 123 B1 F0 67

INDEX

Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Implement merge sort to efficiently organize large scale order on timestamp.	-	9/7/2025		Good
2.	Implement quicksort to enhance personalize move ranking improve responsive	-	23/7/2025		Good
3.	Emergency relief supply optimization Implement the fractional knapsack algo to maximize utility value within given weight constraint	-	6/8/2025		Good
4.	Smart traffic conditions Implement dijkstra's algorithm to determine the optimal ambulance Route.	-	20/8/2025		Good
5.	optimal delivery routing Implement DP identify cost effective delivery path.	-	10/9/2025		Good

This is certify that Shri. Sagar Nafardhane has carried out the above mentioned DAA Lab. Practicals / Term Work in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 5/11/25

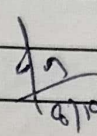
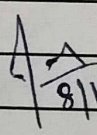
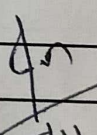

 Subject Incharge
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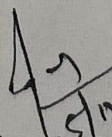
Department Of Information Technology
 Year and Course TY B.Tech PRN No.: 123 B1F067

INDEX

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.	—	20/8/2025		Good
7	University time table scheduling implement graph coloring technique to generate conflict free & efficient time table.	—	1/10/2025		Good
8	Delivery route optimization Apply the branch and bound algorithm to determine the least cost delivery route across cities.	—	8/10/2025		Good

This is certify that Shri. Sagar Majardhane has carried out the above mentioned OPA Lab Practicals / Term Work in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.

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