

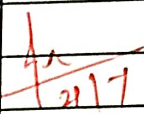
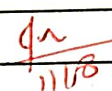
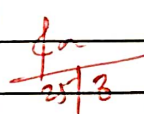
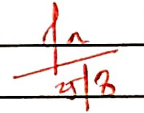
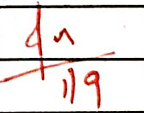
PIMPRI CHINCHWAD EDUCATION TRUST'S  
**PIMPRI CHINCHWAD COLLEGE OF ENGINEERING**

Sector No. 26, Pradhikaran, Nigdi, Pune - 411044

Department Of Information Technology


Year and Course I.Y. B.Tech (2023-26) PRN No.: 123B1F024

## INDEX

Sr. No.	Title	Page No.	Date	Signature	Remarks
I.	Implement mergesort to efficiently organize large scale orders based on timestamp.	-	7-7-25		(C)
II.	Implement Quicksort to enhance personalized movie ranking & improve responsiveness	-	21-7-25		(C)
III.	Emergency relief supply optimization implement fractional knapsack algorithm to maximize utility value	-	04-08-25		(C)
IV.	Smart traffic management:- Implement dijkstra's algorithm to determine the optimal ambulance route under dynamic traffic conditions.	-	11-8-25		(C)
V.	optimal delivery routing- Implement DP to identify cost effective delivery paths	-	25-8-25		(C)

This is certify that Shri. Shravan farkade 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 : 3/11/25

  
Subject Incharge  
Pimpri Chinchwad College of Engineering, Pune - 44

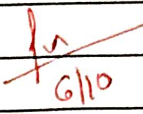
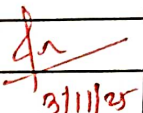
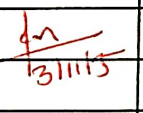
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## INDEX

Sr. No.	Title	Page No.	Date	Signature	Remarks
VI.	Disaster relief resource allocation use 0/1 knapsack approach to optimize essential supply allocation within capacity limits.	→	1-9-25	 6/10	(C)
VII.	University Exam timetable scheduling. Implement graph coloring technique to generate conflict free & efficient timetables.	→	15-9-25	 3/11/25	(C)
VIII.	Delivery route optimization apply the branch & bound algorithm to determine the least cost delivery route across cities.	→	6-10-25	 3/11/25	(C)

This is certify that Shri. ~~Shri~~ Shravani Farkade 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 : 3/11/25

  
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