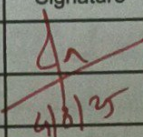
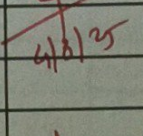
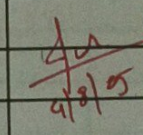
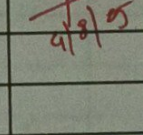
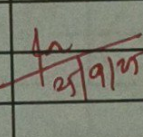
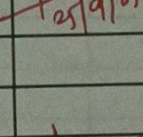
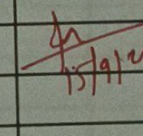
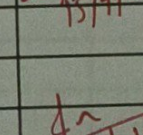
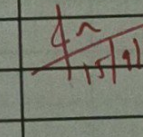
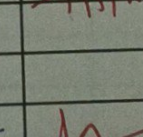
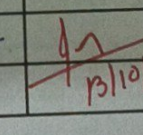


PIMPRI CHINCHWAD EDUCATION TRUST'S
PIMPRI CHINCHWAD COLLEGE OF ENGINEERING
Sector No. 26, Pradhikaran, Nigdi, Pune - 411044

Department Of Information Technology.

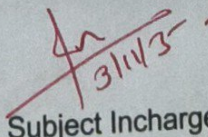
Year and Course T.Y. B.Tech (2025-28) PRN No.: 123B1F040

INDEX

Sr. No.	Title	Page No.	Date	Signature	Remarks
I.	Implement Merge Sort to efficiently	-	17-7-25		Ⓢ
	Organize large Scale Orders based				
	on Timestamp.				
II.	Implement Quick Sort to enhance	-	21-7-25		Ⓢ
	personalized movie ranking and				
	improve responsiveness.				
III.	Emergency Relief supply optimization	-	4-8-25		
	implement the fractional knapsack				Ⓢ
	algorithm to maximize utility value				
	within given weight constraints.				
IV.	Smart Traffic management implement	-	11-8-25		
	dijkstra's algorithm to determine				Ⓢ
	the optional ambulance route under				
	dynamic traffic conditions.				
V.	Optimal Delivery Routing - Implement	-	25-8-25		
	DP to identify cost effective delivery				Ⓢ
	paths.				
VI.	Disaster Relief Resource Allocation	-	1-9-25		
	use 0/1 knapsack approach to optimize				Ⓢ

This is certify that Shri. Siddharth kakade 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

H.O.D. Information Technology
Pimpri-Chinchwad College of Engineering,
Sector No. 26, Pradhikaran, Nigdi, Pune-411044
Head of Department

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

Year and Course T.Y. B.Tech

PRN No.: 123B1P040

Sr. No.	Title	Page No.	Date	Signature	Remarks
	essential supply allocation within capacity limits.				
<u>VII.</u>	University Exam timetable Scheduling - Implement Graph Coloring technique to generate conflict free and efficient timetables.	-	15-9-25	h 13/11/25	ⓐ
<u>VIII.</u>	Delivery Route optimization apply the branch and bound algorithm to determine the least cost delivery route across cities.	-	6-10-25	h 13/11/25	ⓐ

Date : 3-11-25

Subject Incharge Head of Department, Pune
Pimpri Chinchwad College of Engineering, Pune - 44

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