

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

Department Of Information Technology

Year and Course Third Year B.Tech

PRN No.: 12432f002

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Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Implement merge sort TO efficiently organize large scale orders based on timestamp (Divide and conquer.)	-	9-7 25	Dr 1/6/8	(C)
2.	implement quicksort TO enhance personalized movie ranking & improve responsiveness (divide & conquer).	-	23-7 25	Dr 1/6/8	(C)
3.	Emergency relief supply optimization : implement The Fractional knapsack algo ^{thm} to maximize utility value within given weight constraint (Greedy Approach).	-	6-8- 25	Dr 24/9	(C)

This is certify that Shri. Prashant Popat Kamble has carried out the
above mentioned Design analysis and algorithm Practicals / Term Work
in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 5-11-25

H.O.D. Information Tech
Pimpri-Chinchwad College of E
Sect. 26, Pradhikaran, Nigdi, Pu
Subject Incharge **Head of Department**
Pimpri Chinchwad College of Engineering, Pune - 44
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4.	Smart traffic management implement dijkstra algom To determine the optima ambulance route under dynamic Traffic (condin (greedy approach).	-	20-8- 25	J. 24/9	(C)
5	optimal delivery Routing implement pp identify east effective delivery Paths (Dynamic programming)	-	10-9 25	J. 24/9	(C)
6.	Disaster Relief Resource Allocation use 010 knapsack approach TO optimization essential Supply creation within capacity limit (dynamic programming)	-	24-9 25	J. 24/10	(C)

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