

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.: 124B2F001

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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 X/25	①
2.	implement quick sort to enhance personalized movie ranking and improve responsiveness [Divide & Conquer]	-	23/7/25	Dr 26/8	②
3.	Emergency relief supply optimization: implement the Fractional Knapsack algorithm to maximize utility value wth given weight constraint [Greedy approach]	-	6/8/25	Dr 26/8	③

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

Date : 05/11/2025

Dr
5/11/25
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
Pimpri Chinchwad College of Engineering, Pune - 44

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Year and Course BTech - Third Year

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Sr. No.	Title	Page No.	Date	Signature	Remarks
4.	Smart traffic management implement dijkstra's algorithm to determine the optimal ambulance route under dynamic traffic conditions (greedy approach)	-	20/10/25	Jn 10/10	○
5.	Optimal delivery routing implement Dijkstra identify cost effective delivery path [DP]	-	10/9/25	Jn 10/10	○
6.	disaster relief resource allocation. Use OR Kangaroo approach to optimization essentially supply allocation within capacity limit	-	24/9/25	Jn 11/10	○

This is certify that Shri. Amar Vallinath Chavan has carried out the
 above mentioned Design & Analysis of Algo. Lab Practicals / Term Work
 in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.
Technology,

Date : 05/11/2025

An
5/11/25
Subject Incharge
Pimpri Chinchwad College of Engineering, Pune - 44

Information technology
Pimpri-Chinchwad College of Engineering
Sect. 26, Pradhikaran, Nigdi, Pune-411044
Head of Department
Pimpri Chinchwad College of Engineering, Pune - 44

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Year and Course Third Year - BTech PRN No.: KU132F001

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7.	University exam timetable scheduling - implement graph coloring technique to generate conflict free efficient timetable [backtracking]	-	1/10/25	far 9/10	(C)
8.	Delivery route optimized - nonstop delivery branch and bound algorithm to determine the least cost delivery across city [branch & bound]	-	8/10/25	In 5/11	(C)

This is certify that Shri. Amar Vaijnath Chavan has carried out the
above mentioned Design and analysis of Palgo Lab Practicals / Term Work
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~~Subject Incharge
Pimpri Chinchwad Coll~~

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Pimpri-Chinchwad College of Engineering
Sect. 26, Prabhakar Nandi, Pune-411044
Head of Department
e of Engineering, Pune - 44