

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

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

Department Of Information technology

Year and Course TY - B Tech

PRN No.: 123B110287

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1	Implement merge sort to efficiency organize large scale orders based on Time stamp	—	1107125	<del>Dr. S. P. Patil</del>	(6)
2	Implement quick sort to enhance Personalized movie Ranking and. improve Responsiveness	—	21107125	<del>Dr. S. P. Patil</del>	(6)
3	Emergency Relief supply optimization Implement the fractional knapsack algorithm to maximize utility value with given weight constraints	—	1108125	<del>Dr. S. P. Patil</del>	(6)
4	Smart traffic management Implement dijkstra's algorithm to determine the optimal ambulance Route under dynamic traffic condition	—	11108125	<del>Dr. S. P. Patil</del>	(6)

This is certify that Shri. Hallale Baliram Dattatray has carried out the above mentioned Design and analysis of algorithm Practicals / Term Work in the IT Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 03 - 11 - 2025

~~Subject Incharge~~  
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Pimpri Chinchwad College of Engineering, Pune - 44

H.O.D. Information Technology  
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7	University Exam Timetable scheduling - Implement Graph Colouring techniques to generate conflict free and efficient timetables	—	15/10/25	Dr. S. T. Patil	③
8	Delivery Route optimization apply the branch and bound algorithm to determine the least cost delivery route across cities	—	6/11/25	Dr. S. T. Patil	

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