

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. 1 B.Tech PRN No.: 123B1FOGG

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1.	Implement Merge Sort to efficiency of organization scale orders based on timestamp Divide and conquer	-	9/2/25	<del>Dr. A.B.</del>	①
2.	Implement Quick sort to enhance personalized movie ranking and improve responsiveness (Divide and Conquer)	-	2-3/7/25	<del>Dr. A.B.</del>	①
3.	Emergency Relief Supply optimization : Implement the fractional knapsack algorithm to maximize utility value within given weight constraint weight (Greedy Approach)	-	6/18/25	<del>Dr. A.B.</del>	①

This is certify that Shri. Nedam S. Nagrare has carried out the  
 above mentioned DAA Lab Practicals / Term Work  
 in the IT Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 6/11/25

*Dr. S. H. B.*  
 Subject Incharge Head of Department  
 Pimpri-Chinchwad College of Engineering  
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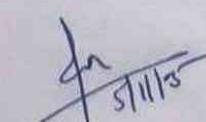
Department Of Information Technology  
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4.	Smart Traffic Management System Implement Dijkstra algorithm to determine the optimal ambulance route under dynamic traffic condition (Greedy Approach)	-	20/8/25	Dr. <del>Tatyag</del>	②
5.	Optimal Delivery Routing Implement DP to identify most effective delivery paths (Dynamic Programming)	-	10/9/25	<del>Dr. Tatyag</del>	②
6.	Disaster Relief Resource Allocation use 0/1 knapsack approach to optimization essential supply allocation within capacity limit (Dynamic Programming)	-	24/09/25	<del>Dr. Tatyag</del>	②

This is certify that Shri. Neelam S. Nagrare 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 : 5/11/25

  
 Subject Incharge **H.O.D. Information Technology**  
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PIMPRI CHINCHWAD EDUCATION TRUST'S  
**PIMPRI CHINCHWAD COLLEGE OF ENGINEERING**  
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Department Of Information Technology  
Year and Course T.Y. B.Tech. PRN No.: 123B1F066

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7	University Exam Time table scheduling. Em- ployant Graph Coloring Techniques to generate conflict free and efficient timetable (Backtracking)	-	11/10/25	Dr. S. N. S. I. SII	①
8	Delivery Route Optimiz- ation apply the branch and bound algo to determine the least cost delivery Route cities (Branch and Bound)	-	8/11/25	Dr. S. N. S. I. SII	①

This is certify that Shri. Neelam S. Nagrare has carried out the  
above mentioned DAA Laboratory Practicals / Term Work  
in the IT Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 05/11/25

~~Dr. Shital~~  
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