

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

Department Of Information Technology

Year and Course 2023-24 TY-BTech PRN No.: 123B1F011

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Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Implement merge sort to efficiently organise large scale order based on time stamp (divide & conquer)	11/7/23		Jn	(C)
2.	Implement quick sort to enhance professional movie ranking and improve responsiveness	25/7/23		Jp	(C)
3.	Emergency Relief supply optimization implement the fractional knapsack algorithm to maximum utility value within given weight constraint (Greedy Approach)	18/8/23		Jn	(C)

This is certify that Shri. Gaurav Biradar 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 :

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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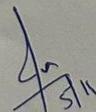
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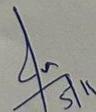
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4.	Smart traffic management implement Dijkstra algorithm - To determine the optimal ambulance route under dynamic Traffic condition greedy approach	22/5/25	Jr 11/11	(C)	
5.	Optimal Delivery Routing implement DP identity to find effective delivery path (Dynamic progra- mming)	12/9/25	Jr 11/11	(C)	
6.	Disaster Relief Resource allocation using 0/1 Knapsack approach to optimization within cap- acity limit (Dynamic programming)	19/9/25	Jr 10/10	(C)	

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

Date :


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7.	University Exam Timetable Scheduling - implement graph coloring Technical to generate conflict tree efficient timetables (Block Tracking)		3/10/23	Jay 10/10	(1)
8.	Delivery Route optimization apply branch and bound Algorithm to determine the least cost delivery route across cities		10/10/23	Jay, 15/11	(2)

This is certify that Shri. Gaurav Biradar 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.

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Pimpri Chinchwad Co.

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