

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

Department Of Information technology

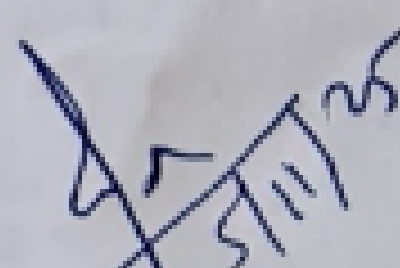
Year and Course TY - B tech PRN No.: 123B110287

## INDEX

Sr. No.	Title	Page No.	Date	Signature	Remarks
1	Implement merge sort to efficiency organize large scale orders based on time stamp	—	11/07/25	<del>Ans</del> 11/08	⑥
2	Implement quick sort to enhance Personalized movie Ranking and improve Responsiveness	—	21/07/25	<del>Ans</del> 11/08	⑥
3	Emergency Relief supply optimization Implement the fractional knapsack algorithm to maximize utility value with given weight constant	—	4/08/25	<del>Ans</del> 15/9	⑥
4	Smart traffic management Implement dijkstra's algorithm to determine the optimal ambulance Route under dynamic traffic condition	—	11/08/25	<del>Ans</del> CHW	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.

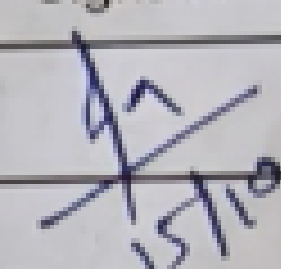
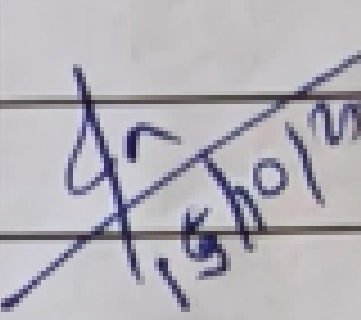
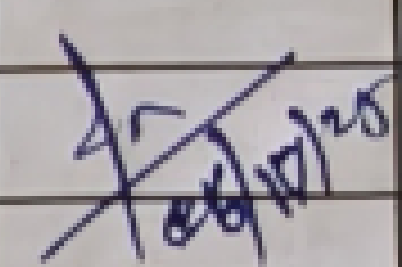
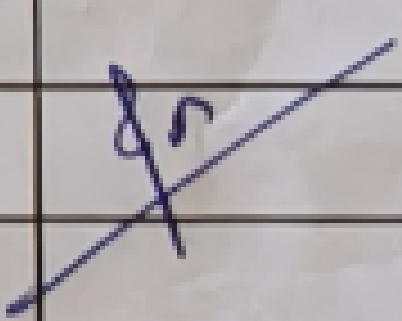
Date : 03-11-2025

  
 Subject Incharge  
 Pimpri Chinchwad College of Engineering, Pune - 44  
**H.O.D. Information Technology**  
 Pimpri-Chinchwad College of Engineering  
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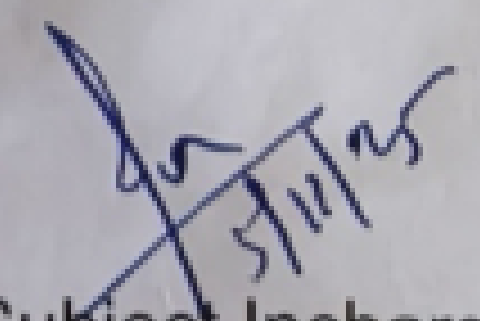
Department Of Information Technology  
 Year and Course IT - B-Tech PRN No.: 123B1F027

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Sr. No.	Title	Page No.	Date	Signature	Remarks
5	optimal delivery Routing	—	25/08/25		ⓐ
	Implement DP to identify				
	cost effective delivery Path				
6	disaster Relief Resource	—	01/09/25		ⓐ
	Allocation use all knapsack				
	approach to optimize				
	essential supply allocation				
	within capacity limiter				
7	University Exam timetable	—	15/09/25		ⓐ
	scheduling - Implement				
	Graph Colouring technique				
	to generate conflict free				
	and efficient timetables				
8	delivery Route optimization	—	01/10/25		
	apply the branch				
	and bound algorithm				
	to determine the least				
	cost delivery Route				
	across Cities				

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