

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

Department Of Information Technology
 Year and Course T.Y - B.Tech PRN No.: 1220111

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Sr. No.	Title	Page No.	Date	Signature	Remarks
1)	Implement Merge sort to efficiently organize large scale data based on heap sort (Priority Queue) and conquer	—	9-7-25	✓ 2018	
2)	Implement Quick sort to efficiently partitioned mouse sorting and improve required memory and conquer	—	23-7-25	✓ 2018	
3)	main function called bubble sorting function Kapustka algorithm to merge two unsorted subarray given input constraint (Greaterly Approach)	—	6-8-25	✓ 2018	

This is certify that Shri Virendra Salunkhe has carried out the above mentioned Design Analysis and algorithms, Practicals / Term Work in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.

R.O.D. Information Technology
 Pimpri Chinchwad College of Engineering,
 Sect. 26, Pradhikaran, Nigdi, Pune-411044
 Subject Incharge _____
 Head of Department _____
 Pimpri Chinchwad College of Engineering, Pune - 44

Date : 5-11-25

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

Department Of Information Technology
 Year and Course TY - B.Tech PRN No.: 12201F13

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4)	Smart Traffic management System project algorithm to determine the optimal ambulance route under demand (Traffic Condition Based Approach)	20-8-25			(1)
		1-10-25			(2)
5)	Optimal Delivery Routing Implementation Of Robotic Assembly Cost Effective delivery paths, Circular programming	10-9-25			(1)
6)	Mobile Vehicle Routing Problem An Optimal Approach To Optimum Location Selection Supply And Demand Programming	24-9-25			(2)

This is certify that Shri. Nivelle Salunkhe has carried out the above mentioned Design analysis and Algorithmic practicals / Term Work in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.

R.O.D. Information Technology
 Pimpri-Chinchwad College of Engineering
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 Date : 5/11/25

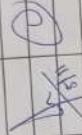
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Central Course _____
PRN No.: 122014111

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7)	University Farm Technique Scheduling - Timeliness Graph Laboratory Technique to Generate Control Line and Efficient Variable (Half + Full Day)	-	10-25		
8)	already Route Optimization open Apply the branch and bound Algorithm to determine the ^{exact} cost delivery Route already ^{exist} in Branch and now	-	8-10-25		

has carried out the

This is certify that Shri. Vishal Agarwal has completed the course of Practicals / Term Work in Practicals / Term Work during the period from 1st Nov 2013 to 30th June 2014.

Department of Pimpri Chinchwad College of Engineering, Pune
above mentioned _____

R.O.D. Information Technology

Plmpt: Head of Department of Environment
Secty: Head of Department of Environment

Subject Incharge : Pimpri Chinchwad College of Engineering, Pune

Date: 5-11-23