

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

Department Of Information technology

Year and Course IV-IT (B. Tech) PRN No: 12381E054

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|---------|--------------------------------------------------------------------------------------------------------------------------|----------|---------|------------------------|---------|
| 1. | Implement merge sort to efficiently organize large scale order on time | - | 8/7/25 | fn 5/8 | ⊙ |
| 2. | Implement quick sort to enhance personalized movie ranking & improve responsive | - | 22/7/25 | fn 20/9 | ⊙ |
| 3. | Emergency relief supply optimization implement the fractional knapsack algo. to maximize utility value with give weight. | - | 5/8/25 | fn 11/8 | ⊙ |
| 4. | Small traffic condition implement dijkstra's algo to determine optimal route | - | 19/8/25 | fn 21/9 | ⊙ |
| 5. | Optimal delivery routing implement as to identify cost effective delivery path | - | 20/9/25 | fn 18/10 | ⊙ |

This is certify that Shri. Shreyas Chaudhary Lohakare has carried out the above mentioned DRA Practicals / Term Work in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date : 04/11/25

~~fn~~
9/11/25
 Subject Incharge
 Pimpri Chinchwad College of Engineering, Pune - 44

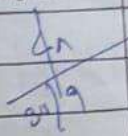
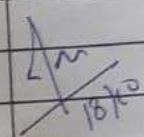
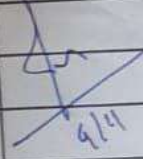
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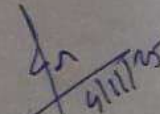
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| 6) | Disaster relief resource allocation use of knapsack approach to optimize essential supply allocation within limits | - | 29/9/25 |  | ② |
| 7) | University exam time table scheduling - Implement graph techniques to generate conflict free & efficient time table | - | 30/9/25 |  | ② |
| 8) | Delivery route optimization apply branch and bound algo. to determine least cost delivery route across cities. | - | 18/10/25 |  | ② |

This is certify that Shri. Shreyas Lohakare has carried out the above mentioned DATA DAA Practicals / Term Work in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date: 04/11/25


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H.O.D. Information Technology
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