

Personal Report

Name:	Sudheesha Reddy Musku
Project:	Project 2 – Emergency Vehicle Dispatching System

Write down each group member's contributions in the project, including yourself:

Team Member	Contributions
Sudheesha Reddy Musku 16241536	<ol style="list-style-type: none">1. Designing idea and workflow2. Processing the request by taking the graph input and vehicle availability and giving those to Dijkstra's algorithm to find the distances and passing output to QuickSort Algorithm to find out the sorted order3. Unit testing on the implemented part4. Analysis of Time complexity5. Documentation
Sowmya Yalamanchili 16246716	<ol style="list-style-type: none">1. Designing idea and workflow2. Using Sorted and Unsorted arrays finding the node values of shortest distances and to find the availability of required vehicle in the nearest possible zipcode.3. Unit testing on the implemented part4. Analysis of Time complexity5. Documentation
Onica Sai Prasanna Lakshmi Rayineedi 16231918	<ol style="list-style-type: none">1. Designing idea and workflow2. Processing the request by taking the graph input and vehicle availability and giving those to Dijkstra's algorithm to find the distances and passing output to QuickSort Algorithm to find out the sorted order3. Unit testing on the implemented part4. Analysis of Time complexity5. Documentation
SriLakshmi Nandanamudi 16244172	<ol style="list-style-type: none">1. Designing idea and workflow2. Using Sorted and Unsorted arrays finding the node values of shortest distances and to find the availability of required vehicle in the nearest possible zipcode.3. Unit testing on the implemented part4. Analysis of Time complexity5. Documentation

Write down what you learned:

1. Learned how to analyze a scenario and segregate the problem into subproblems to obtain an efficient solution
2. Implementation of Dijkstra's algorithm for the real time problem
3. Implementation of Quick Sort
4. Analyzing the time complexity of the project depending on the data structures used
5. Gained good hands-on experience on java from this project.

Feedback about the project (comments, suggestions for improvement, etc.)

1. This task improved my problem-solving abilities.
2. Got a chance to basic algorithms to real world problems.