Personal Report

Name:	Onica Sai Prasanna Lakshmi Rayineedi
Project:	Project 2 – Emergency Vehicle Dispatching System

Team Members and Their Contribution

Team Member	Contributions
Onica Sai Prasanna Lakshmi Rayineedi 16231918	1. Designing idea and workflow 2. 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 order 3. Unit testing on the implemented part 4. Analysis of Time complexity 5. Documentation
Sowmya Yalamanchili 16246716	1. Designing idea and workflow 2. 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 part 4. Analysis of Time complexity 5. Documentation
Sudheesha Reddy Musku 16241536	1. Designing idea and workflow 2. 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 order 3. Unit testing on the implemented part 4. Analysis of Time complexity 5. Documentation
SriLakshmi Nandanamudi 16244172	1. Designing idea and workflow 2. 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 part 4. Analysis of Time complexity 5. Documentation

I have Learned:

1. Learned how to analyze a scenario and segregate the problem into subproblems for an efficient solution
2. Implementation of Dijkstra's algorithm and Quick Sort for the real time problem and implemented a new methodology to find the Positions of the Zip codes in a Graph
3. 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 opportunity which led me to utilize my problem-solving skills
2. Got a chance to basic algorithms to real world problems.