Personal Report

Name:	Megha Nagabhushan
Project:	Project 2 – Emergency Vehicle Dispatching System

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

Team Member	Contributions
Megha Nagabhushan - 16226858	1. Designing Idea and workflow 2. Data – Emergency Vehicle file which contains data about vehicles available in zip code 3. Implementation – Author of the method processRequest() which processes the request and updates the availability as 0 in the Emergency Vehicle file once the vehicle has been assigned. Integration of Quick Sort Algorithm. 4. Testing – Unit testing on implemented part. 5. Documentation - Brief idea, Time Complexity analysis 6. Integrated Testing
Sujitha Puthana - 16233500	1. Designing Idea and workflow 2. Data – Complete Request file which contains the completed requests. 3. Implementation – Author of completeRequest() which updates the availability of the vehicle to 1 on completion of the processing the request. Architecture and Algorithm Design. 4. Testing – Unit testing on implemented part. 5. Documentation – Brief idea, Time Complexity analysis 6. Integrated Testing
Manvitha Vaduguru - 16239074	1. Designing Idea and workflow 2. Data – Multi Request Complete file and Single Request File to update the vehicle id after request is completed. 3. Implementation – Author of processMultipleRequests() to process multiple vehicles in the same request Integration of Dijkstra's algorithm for undirected graph. 4. Testing – Unit testing on implemented part. 5. Documentation – Assumptions, Time Complexity analysis 6. Integrated Testing
Jnana Gayathri Penumetcha - 16241948	1. Designing Idea and workflow 2. Data – Distance File containing the distance between two zip codes. 3. Implementation – Integration of Dijkstra's algorithm for directed graph.

Write down what you learned:

Analyzing problem statement and coming up with solution.
2. Implementation of Algorithms [dijkstra's algorithm and Quick Sort]
3. Analyzing the time complexity of our algorithm.
4. Using efficient and suitable data structures for our approach
5. Integrating all the different algorithms used.

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

1.Very good idea for project. Good chance to learn.
2.
3.
4.
5.