**Personal Report**

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

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

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| **Team Member** | **Contributions** |
| Sudheesha Reddy  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  3. Unit testing on the implemented part  4. Analysis of Time complexity  5. Documentation |
| Sowmya | 1. Designing idea and workflow  2. Sort the distances obtained by using quick sort algorithm 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 |
| Onica | 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  3. Unit testing on the implemented part  4. Analysis of Time complexity  5. Documentation |
| SreeLakshmi | 1. Designing idea and workflow  2. Sort the distances obtained by using quick sort algorithm 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 |

**Write down what you learned:**

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| 1. Analyze the given problem in a simple and efficient way |
| 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.)**

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