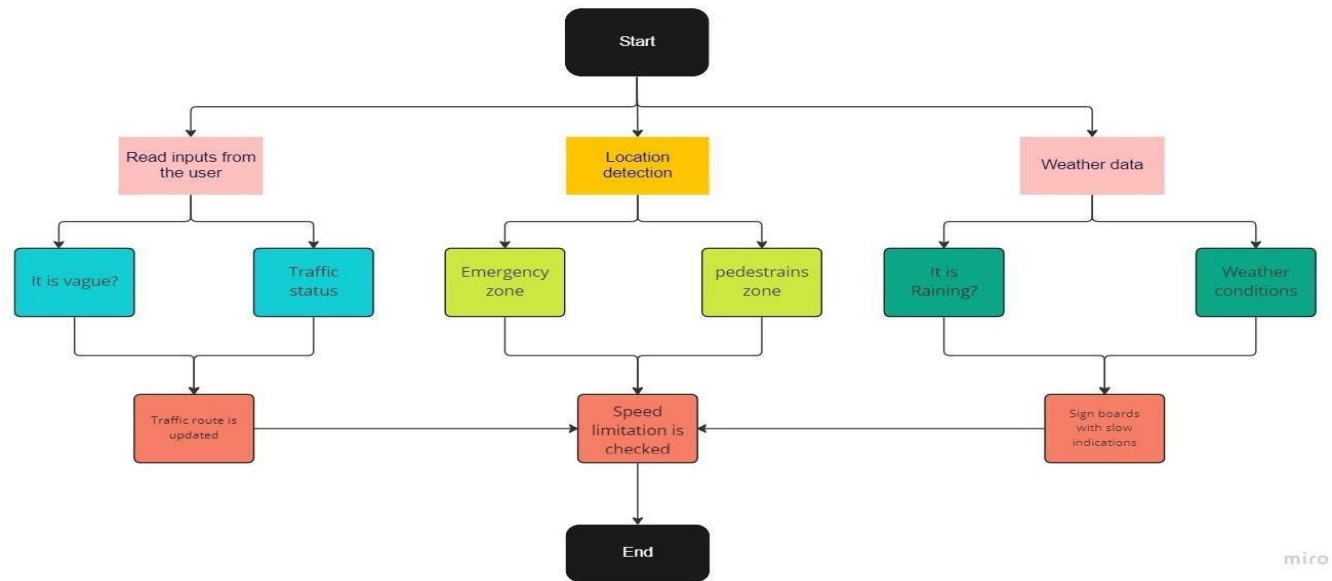


Project Design Phase-II
Data Flow Diagram & User Stories

| | |
|---------------|--|
| Date | 22 October 2022 |
| Team ID | PNT2022TMID03169 |
| Project Name | Project - Signs with smart connectivity for better road safety |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



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User Stories:

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|------------------------|-------------------------------|-------------------|--|---|----------|----------|
| Customer (Mobile user) | Registration | USN-1 | I can get my speed limitation using weather application . | I can receive speed limitations | High | Sprint-1 |
| IoT devices | Automation | USN-2 | As a user, I want to use IoT devices for automation purposes | Get the work done without manual effort | High | Sprint-2 |

| | | | | | | |
|---------------------|-------------------|-------|--|---|--------|----------|
| Administrator | Problem solving | USN-3 | As an official who is in charge for the proper functioning of the sign boards have to maintain it through periodic monitoring. | Officials can monitor the sign boards for functioning | Medium | Sprint-2 |
| Weather | Web app | USN-4 | As a user, I can increase or decrease my speed according to the weather change | Get the weather of that location | High | Sprint-1 |
| User | Login | USN-5 | As a user, I can log into the application by entering email & password | I can access the application | High | Sprint-1 |
| Driver | Traffic status | USN-6 | As a user, I can I get my traffic diversion signs depending on the traffic and the fatal situations. | I can access my traffic status ahead in my travel | Medium | Sprint-1 |
| Customer (Web user) | Data generation | USN-7 | As a user the interface should be simple and easily accessible | I can access the data regarding the weather through the application | High | Sprint-1 |
| Web UI | Interaction | USN-8 | As a user, I want to interact with the digital products | To interact with the users | Medium | Sprint-2 |
| Data validation | Checking accuracy | USN-9 | As a user, I can check the ability and accuracy of the model in obtaining the required information | Check the capability of the model | High | Sprint-2 |