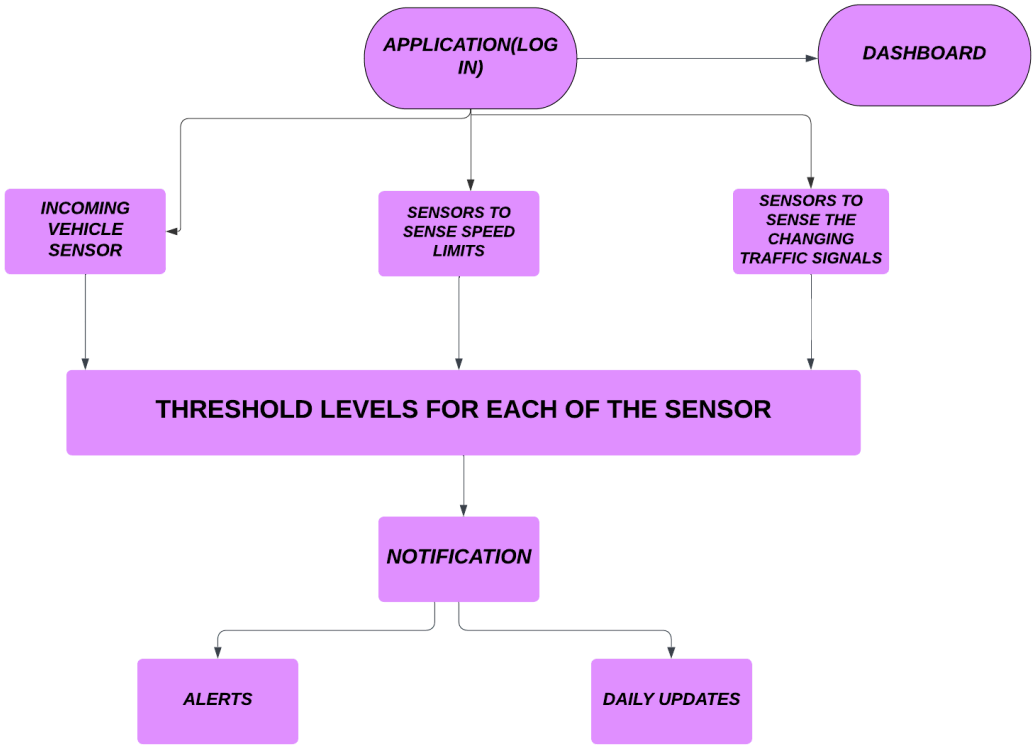
PROJECT DESIGN PHASE II
DATA FLOW DIAGRAM AND USER STORIES

ASSIGNMENT DATE	**03/10/2022**
TEAM ID	**PNT2022TMID21273**
PROJECT NAME	**SIGNS WITH SMART CONNECTIVITY FOR BETTER SAFETY**
MAXIMUM MARKS	**4 MARKS**



DATA FLOW PROCESS:

1. The user will log onto the application using the login credentials used while registering.

2. The necessary information that the users need will be displayed in the dashboard.

3. The different kinds of sensors that are present will collect vital data (conditions of the road , traffic status , speed limits of the vehicles approaching) .

4. The threshold values are present for each of the sensors that are fitted . The decision on whether to display the daily updates or the alerts as notifications depends on the conditions of the road and the data collected by the sensors . The notifications are pushed on both of these occasions .

5. If the conditions of the road exceeds the threshold conditions code that are written , then the alert messages will be displayed and it depends on the users to take the necessary actions .

6. If it's not the case of condition 5 then just daily updates will be displayed .

This is how the data flow process occurs from sensors to the application and from the application to the end users .

USER STORIES:

User Type	Functional Requirement (Epic)	User Story Number	User Story/Task	Acceptance Criteria	Priority	Release
Customer (End user)	Registration	USN -1	As a user, I can register for the application by entering my email and password(login credentials) and confirming my password.	I can access my account / dashboard.	High	Sprint - 1
		USN -2	As a user , I can register the type of vehicle that I am driving.	I can get the necessary details about the vehicles.	Medium	Sprint - 2
		USN - 3	As a user , I can obtain the real time updates of the vehicles and the conditions of the road.	I can know about the thresholds of each condition listed down.	High	Sprint - 1
		USN - 4	As a user , I can receive notifications(alerts) in case of any emergency or other unfavorable conditions .	I can act efficiently in case of any emergency.	High	Sprint - 1
	Login	USN - 5	As a user, I can use the applications by entering password and email.	I can log into the application.	High	Sprint - 2
	Dashboard	USN - 6	As a user , I can choose among the information listed about the various other vehicles.	I can select among the vehicles .	Medium	Sprint -2
	Generating Data	USN - 7	As a user , I am able to view the thresholds and the information of the other vehicles too.	Better understanding about the thresholds and various other conditions.	High	Sprint - 1

User Type	Functional Requirement (Epic)	User Story Number	User Story/Task	Acceptance Criteria	Priority	Release
	Notification and Alerts	USN - 8	As a user , I can get the notifications in the form of timely updates and also even as the emergency alerts .	I can receive timely updates as well as the alerts .	High	Sprint - 1
Customer Care Executive	Efficient functioning	USN - 9	As an executive exclusively for customer care , I can help the customers use the application in a better way .	Efficient management and better road safety	High	Sprint - 2
Developer	Develop the application	USN - 10	As a developer , I can develop the application using the data collected by the IoT sensor and make the best use of it .	Development of the applications using the data collected	High	Sprint - 2
Administrator	Administration of the data	USN - 11	As an admin , I am able to get through the interface and administer the data functionally .	Easy administration of the data when it is updated .	High	Sprint - 2
	Notification	USN - 12	As an admin , I can send timely updates as well as the emergency alerts .	Timely notifications	High	Sprint - 2