**Data Flow Diagram:**

Project Design Phase-II

Data Flow Diagram & User Stories

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| --- | --- |
| Date | 15 October 2022 |
| Team ID | PNT2022TMID32727 |
| Project Name | Signs with Smart Connectivity for Better Road  Safety |
| Maximum Marks | 4 Marks |

**Access**

**Start**

**Database**

**Input from**

**sensors**

**Area details**

**Provide**

**Weather data**

**Provide**

**New routes**

**Provide**

**Data from**

**weather API**

**College,IT park**

**People driving on the road**

**Storm,rain**

**Speed**

**Limitation**

**User Stories**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional Requirement**  **(Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| Customer (Mobile user) | Registration | USN-1 | Login into the application | User can access Dashboard | High | Sprint-1 |
|  |  | USN-2 | As a user, will receive confirmation email once the user have registered for the application | User can receive confirmation email & click confirm | High | Sprint-1 |
|  | Login | USN-3 | Through OpenWeather Map, speed limitation is controlled | User can access weather API | High | Sprint-1 |
|  |  | USN-4 | As a user,can control the driving speed | User can decrease/increase speed | High | Sprint-1 |
|  |  | USN-5 | User can get traffic diversions signs through smart sign board | User can access traffic status | Medium | Sprint-1 |
|  |  | USN-6 | User can get new updated routes due to traffic/accidents | User can handle the situation | Medium | Sprint-1 |
| Customer (Web user) | Data generation | USN-7 | Use of OpenWeather map | Weather related information | High | Sprint-1 |
|  |  | USN-8 | Use of Node-Red | To connect devices | High | Sprint-2 |
| Administrator | Problem solving | USN-9 | Future updation and monitoring | Can monitor sign board | Medium | Sprint-2 |