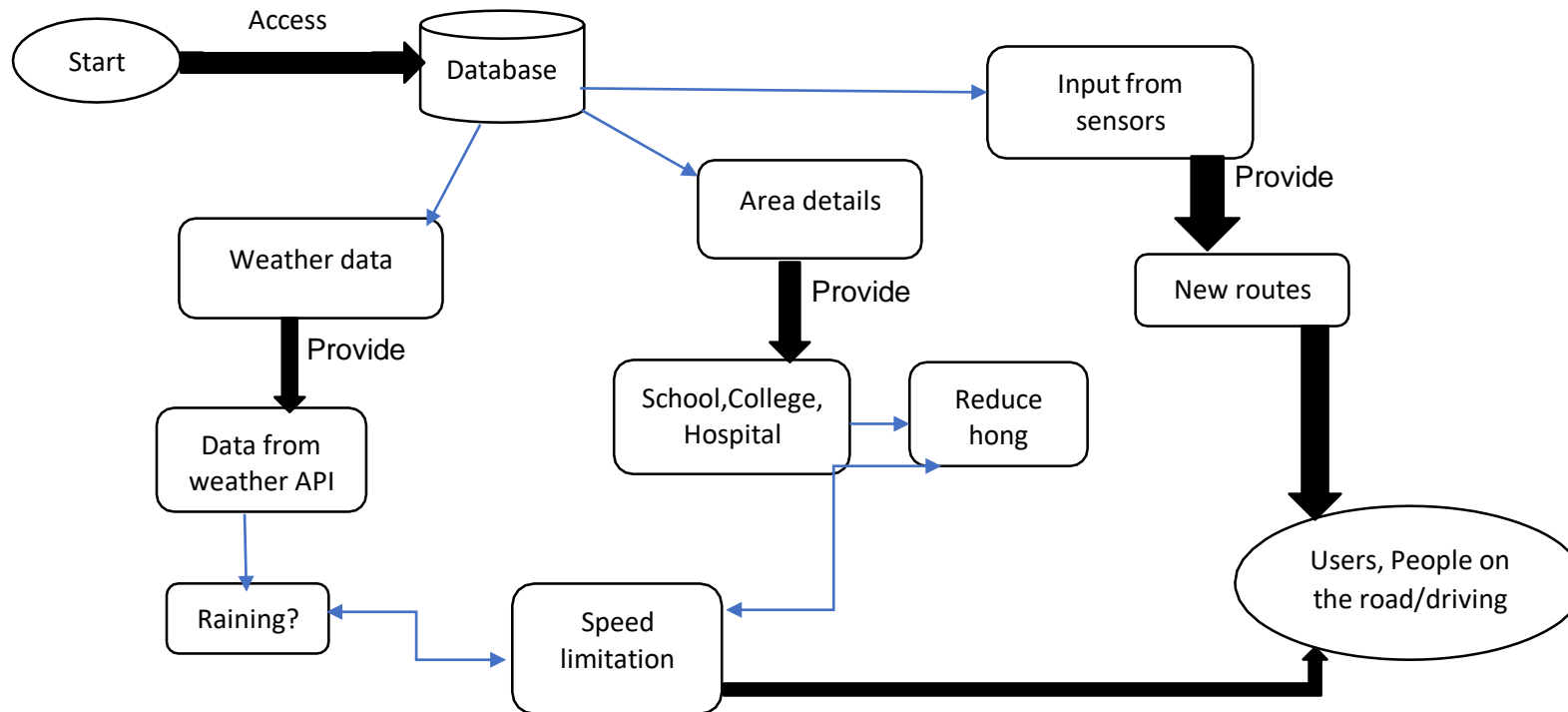


## Project Design Phase-II Data Flow Diagram & User Stories

|              |  |
|--------------|--|
| Date         | 03 October 2022                                      |
| Team ID      | PNT2022TMID30708                                     |
| Project Name | Signs with Smart Connectivity for Better Road Safety |

### Data Flow Diagram:



## 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  | I can access Dashboard                           | High     | Sprint-1 |
|                        |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm | High     | Sprint-1 |
|                        | Login                         | USN-3             | Through OpenWeather Map, speed limitation is controlled                                 | I can access weather API                         | High     | Sprint-1 |
|                        |                               | USN-4             | As a user, I can control my driving speed   | I can decrease/increase speed                    | High     | Sprint-1 |
|                        |                               | USN-5             | I can get traffic diversions signs through smart sign board                             | I can access traffic status                      | Medium   | Sprint-1 |
|                        |                               | USN-6             | I can get new updated routes due to traffic/accidents                                   | I 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 |