

# Project Objective

**Team id : PNT2022TMID39232**

## Obstract

- To replace the static signboards, smart connected sign boards are used.
- These smart connected sign boards get the speed limitations from a web app using weather API and update automatically.
- Based on the weather changes the speed may increase or decrease.
- Based on the traffic and fatal situations the diversion signs are displayed.
- Guide(Schools), Warning and Service (Hospitals, Restaurant) signs are also displayed accordingly.
- Different modes of operations can be selected with the help of buttons.

## Uniqueness of our project

- Provide the data to user via User Interface(App) which are about information and safety to overcome the lack of awareness
- Those are
  - Traffic flow – Traffic level
  - Real time data are collect with weather API  
(Such Temperature, Humidity, Wind Speed & direction, Weather)
  - Road network - It express the complicity of junctions and route
  - Emergency Alert – Message will be shown when occurs emergency situation of metrology, medical and police department
  - Accident – updates the accidents to ensure& aware the human value
  - Disaster –IT also for ensure& aware the passengers, ride and drivers
  - Weather States – Present weather condition update by Weather API
- & etc