

# PROJECT OBJECTIVE

TEAM ID :	PNT2022TMID11468
PROJECT NAME :	Signs with Smart Connectivity for Better Road Safety

Alternative techniques have been reviewed in varied scientific papers. A thorough investigation has been carried out in order to comprehend different perspectives and findings from numerous fields. The increase in population has resulted in an unprecedented increase in the number of physical objects or vehicles on the roads. As a result of the increased traffic volume, the number of road accidents have increased. Concerns such as reckless driving and traffic congestion have been taken into consideration. The project aims to minimize the road collision as much as possible. The proposed system captures video streams of vehicles in the monitored area to compute the information and transfer the compressed video stream for providing a video-based solution, which is primarily implemented in sensors and web applications.

## Goals of the Project:

- 1.Learning about the Watson IoT Platform.
- 2.Connecting IoT devices to the Watson IoT platform, exchanging data, and displaying results
- 3.Learning about the OpenWeatherMap API Service.
- 4.Developing a Web Application that allows the user to interact with the device.
- 5.Node-RED Web UI sending road sign values to the IBM IoT platform

The Web Application displays weather conditions.

## To Accomplish The Project:

- 1.IBM Cloud Services must be created and configured.
- 2.IBM Watson IoT Platform should be created.
- 3.IBM Cloud Services
- 4.Familiarize In the IBM Cloud Services,
- 5.IBM Watson IoT Platform Node-RED Service
- 6.Create a device and set up the IBM IoT Platform.
- 7.Make a Node-RED service
- 8.Make a database in Cloud DB to store location information.
- 9.Create a web application with Project objectives.

This web application will give all the notifications related to road safety.