

# SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

Alternative techniques have been reviewed in numerous different scientific papers. A thorough investigation is carried out by consulting various papers from various fields, such as traffic accidents and so on... The explosion of population results in an unprecedented increase in the number of physical objects or vehicles on the road. As a result of the increased traffic volume, the number of road accidents rises. In this project, reckless driving and traffic congestion The proposed system captures video streams of vehicles in the monitored area to compute the information and transfer the compressed video stream for providing video-based solution, which is primarily implemented sensors and web application

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 THIS PROJECT,

IBM Cloud Services must be created and configured.

IBM Watson IoT Platform should be created.

IBM Cloud Services

FAMILIARIZE IN THE IBM CLOUD SERVICES,

IBM Watson IoT Platform Node-RED Service

Create a device and set up the IBM IoT Platform.

Make a Node-RED service

Make a database in Cloud DB to store location information.

Create a web application with Project objectives

This web application will give all the notification related to road safety