

PROJECT OBJECTIVES

Date	06 NOVEMBER 2022
Team ID	PNT2022TMID48245
Project Name	Signs with Smart Connectivity for Better Road Safety

Knowledges Gained:

- Gain knowledge of Watson IoT Platform.
- Connecting IoT devices to the Watson IoT platform and exchanging the data and to display values.
- Gain knowledge of OpenWeatherMap API Service
- Creating a Web Application through which the user interacts with the device.

Project Flow:

- Receiving road sign values to the IBM IoT platform from Node-RED Web UI
- Weather conditions can be viewed in the Web Application

To accomplish this, we have to complete all the activities and tasks listed below:

- Create and configure IBM Cloud Services
 - Create IBM Watson IoT Platform
 - Create a device & configure the IBM IoT Platform
 - Create Node-RED service
 - Create a database in Cloudant DB to store location data
- Develop a web Application using Node-RED Service.
 - Develop the web application using Node-RED
- Develop a python script to publish the location details to the IBM IoT platform