

Team ID	PNT2022TMID42771
Project Name	Project - Signs with smart connectivity for better road safety

Project Objectives

By the end of this project:

- 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:

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