

Team ID	19November 2022
Date	PNT2022TMID42278
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

Knowledge gained:

- Gain knowledge of Watson IoT Platform.
- Connecting IoT devices to the Watson IoT platform and exchanging the sensor data.
- Gain knowledge on Cloudant DB
- Creating a Web Application through which the user interacts with the device.

Project Flow:

1. Sending random Humidity and Temperature values will be sent to the IBM IoT platform.
2. Sensors values can be viewed in the Web Application.
3. Notifies the admin the random values cross the threshold value.
4. To accomplish this, we have to complete all the activities and tasks listed below:
5. 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.
6. Develop a web Application using Node-RED Service.
 - Develop the web application using Node-RED.
7. Develop a python script to publish the sensor data to the IBM IoT platform.