

<b>TEAM ID</b>	PNT2022TMID01194
<b>PROJECT NAME</b>	Hazardous Area Monitoring for Industrial Plant powered by IoT

## Project Objectives

### 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:

- Sending random Humidity and Temperature values will be sent to the IBM IoT platform
- Sensors values can be viewed in the Web Application
- Notifies the admin the random values cross the threshold value

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 sensor data to the IBM IoT platform