|  |  |  |
| --- | --- | --- |
| **DATE** | | 19 November 2022 |
| **TEAM ID** | PNT2022TMID49260 | |
| **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 data.
* Gain knowledge on Cloudant DB
* Creating a Web Application through which the user interacts with the device.

# Project Flow:

* Random Humidity and Temperature values will be sent to the IBM IoT platform which will be monitored by the Admin.
* Temperature and humidity values can be viewed in the Web Application
* Then the Admin Alerts the worker through SMS or email.

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 data to the IBM IoT platform