

INDUSTRY-SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM

TEAM ID: PNT2022TMID24257

Project Objectives

MAIN OBJECTIVES:

Create an Industry-specific intelligent fire management system using the IBM IoT Platform in a efficient way.

By the end of this project we will: † 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 fire 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:

1.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

2. Develop a web Application using Node-RED Service

- ✦ Develop the web application using Node-RED

3. Develop a python script to publish the location details to the IBM IoT platform