

INDUSTRY-SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM

TEAM ID: PNT2022TMID45189

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