**Project Design Phase-I**

**Solution Architecture**

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID35428 |
| Project Name | Project - Industry- Specific Intelligent Fire Management System |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

IOT devices are physical hardware items like sensors, gadgets, appliances, and other machines that gather and exchange data online.

* Random temperature and fire values will be transmitted to the IBM IOT platform.
* The Web Application allows users to view sensor values.
* Alerts the administrator when random values exceed a threshold value.

We must finish all of the actions and activities on the following list in order to achieve this:

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 location details to the IBM IoT platform.

**Example - Solution Architecture Diagram:**

