

## **PROJECT DEVELOPMENT PHASE**

### **PROJECT DEVELOPMENT DELIVERY OF SPRINT 1**

Date	12-11-2022
Team ID	PNT2022TMID34503
Project Name	Smart Solutions For Railways
Marks	

### **ABOUT OUR TOPIC:**

#### **Smart Solutions For Railways :**

Internet of things (IoT) is an innovative technological phenomenon. It is shaping today's world and is used in different fields for collecting, monitoring and analysis of data from remote locations. IoT integrated network is everywhere starting from smart cities, smart power grids, and smart supply chain to smart wearable. Though IoT is still under applied in the field of environment it has huge potential.

Smart Solutions For Railways is a manual system with a monotonous process and is very time-consuming. . The main components of Wireless Sensor Network (WSN) include a microcontroller for processing the system, communication system for inter and intra node communication and several sensors. Real-time data access can be done by using remote monitoring and Internet of Things (IoT) technology.

### **THINGS TO BE DONE**

- To develop the Application using given deliverables
- To create IBM Watson Cloud and to link with the application developed
- To create Nord Red Service
- To express the Python Code and simulate successfully in IBM Cloud

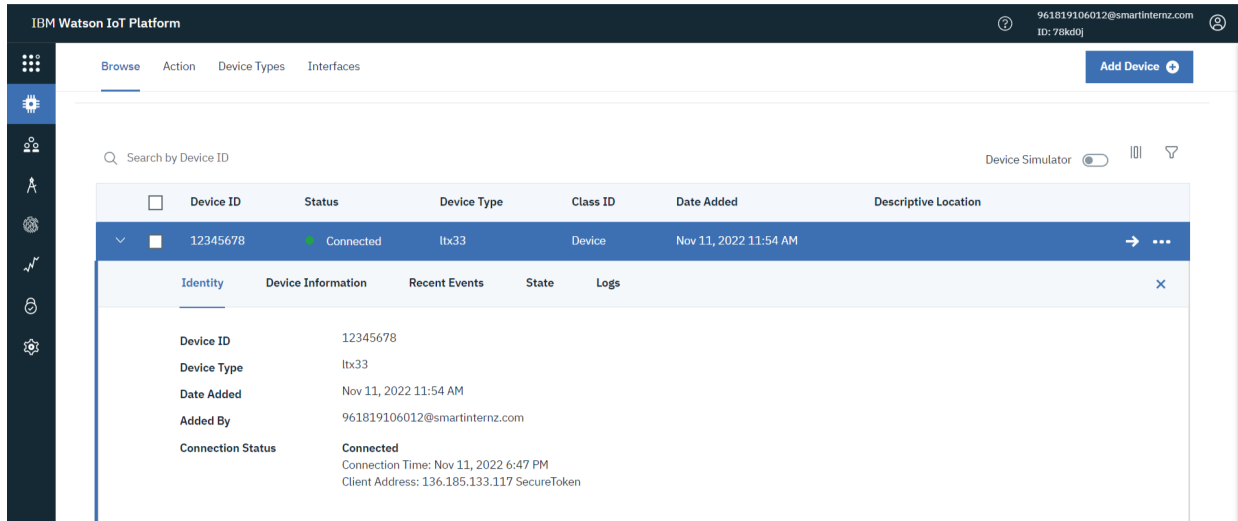
#### **IBM WATSON IoT Platform:**

##### **Device Description**

We have created a New Device 12345678, where the Device Type is ltx33. And we

have set the device composed .When the codes uploaded in the Simulation device section becomes True, the outputs will be appeared in the Recent Event site below the Respected Device block. The output displays until the python code is Switched OFF.

### DEVICE CREATION PAGE



IBM Watson IoT Platform

961819106012@smartinternz.com  
ID: 78kd0j

Browse Action Device Types Interfaces

Add Device

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345678	Connected	Itx33	Device	Nov 11, 2022 11:54 AM	

Identity Device Information Recent Events State Logs

Device ID: 12345678

Device Type: Itx33

Date Added: Nov 11, 2022 11:54 AM

Added By: 961819106012@smartinternz.com

Connection Status: **Connected**  
Connection Time: Nov 11, 2022 6:47 PM  
Client Address: 136.185.133.117 SecureToken