SPRINT 2

Team ID	PNT2022TMID48099
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

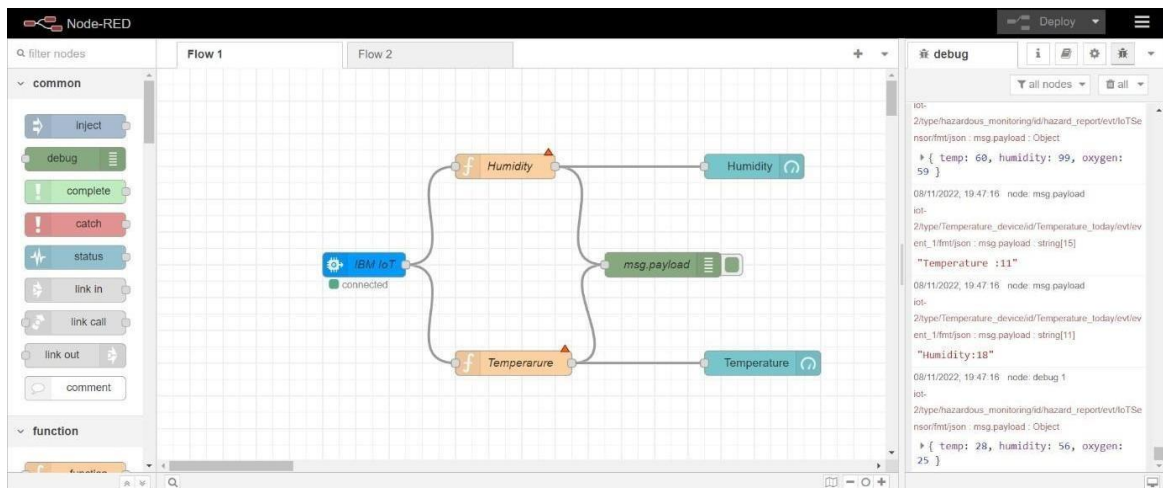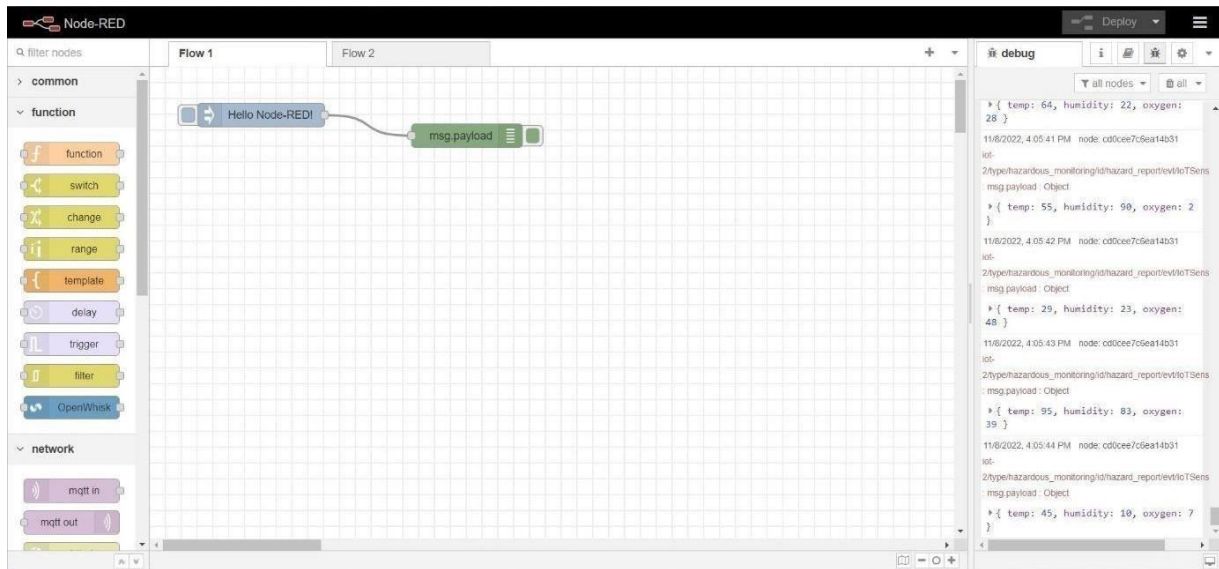## 1. Device Creation using IoT Watson platform with credentials:

- IBM Watson IoT platform acts as the mediator to connect the web application to the IoT device, so create the IBM Watson IoT platform.
- In order to connect the IoT device to the IBM cloud, we need to create a device in the IBM Watson IoT platform and get the device credentials.
- To configure the connection security and create API keys that are used in the Node-RED service for accessing the IBM IoT Platform.

Add Device ⊕

>	☐	Temperature_today	⬚ Disconnected	Temperature_device	Device	23 Oct 2022 13:21		
⌄	■	hazard_report	🟢 Connected	hazardous_monitoring	Device	6 Nov 2022 19:37	→	•••

Identity   Device Information   **Recent Events**   State   Logs   ✕

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
IoTSensor	{"temp":6,"humidity":31,"oxygen":17}	json	a few seconds ago
IoTSensor	{"temp":71,"humidity":25,"oxygen":92}	json	a few seconds ago
IoTSensor	{"temp":47,"humidity":58,"oxygen":68}	json	a few seconds ago
IoTSensor	{"temp":14,"humidity":19,"oxygen":22}	json	1 Simulation running
IoTSensor	{"temp":27,"humidity":72,"oxygen":80}	json	

2. Required Performance of device using Local Node-Red Platform:

Cloudant DB is used to create a database to store the location data.

Name	Size	# of Docs	Partitioned	Actions
hazard	14 bytes	1	No	
noderedmfcnc20221108	25.7 KB	4	No	

Databases

Your Databases

Database name

Create Database   { } JSON

Showing 1–2 of 2 databases.   Databases per page   20

Log Out