

SPRINT -2

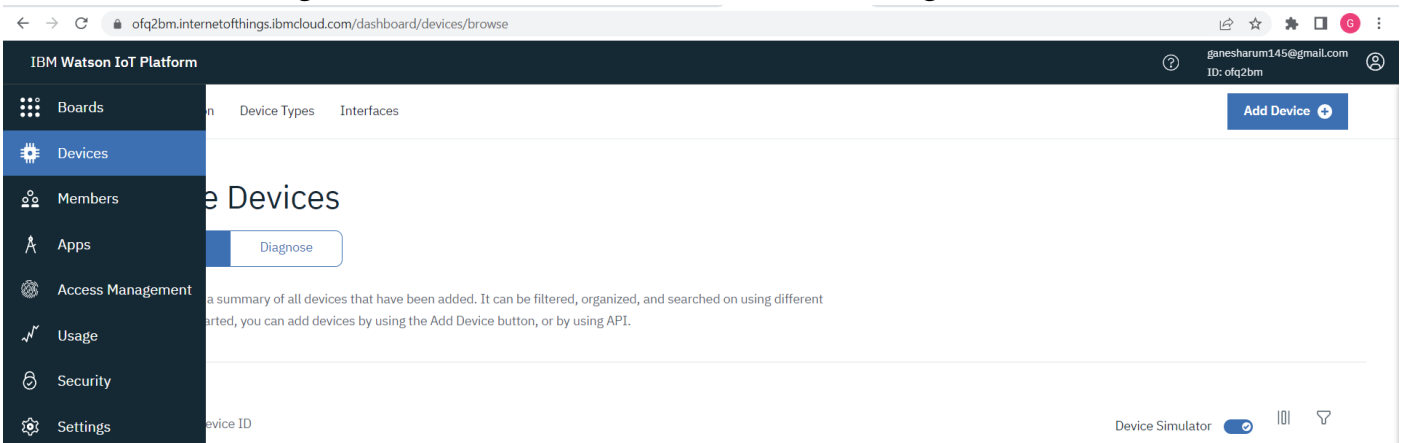
Date	5 November 2022
Team id	PNT2022TMID01284
Project name	Real Time River Water Quality Monitoring And Control System
Maximum marks	20 marks

STEP 1:

Log on to IBM cloud and create IBM Watson IOT Platform from IBM cloud Dashboard.

STEP 2:

After Creating IBM Watson IOT Platform,create an Organization (ex.84708c ID:



STEP 3:

Create an device IBM IOT PALTFORM.

A screenshot of the 'Add Device' wizard in the IBM Watson IoT Platform. The wizard has four steps: Identity, Device Information, Security, and Summary. The 'Identity' step is currently active. It prompts the user to 'Select a device type for the device that you are adding and give the device a unique ID.' There are two input fields: 'Device Type' with a dropdown menu showing 'Select or create a device type...' and 'Device ID' with a text input field showing 'Enter Device ID'. At the bottom right, there are 'Cancel' and 'Next' buttons.

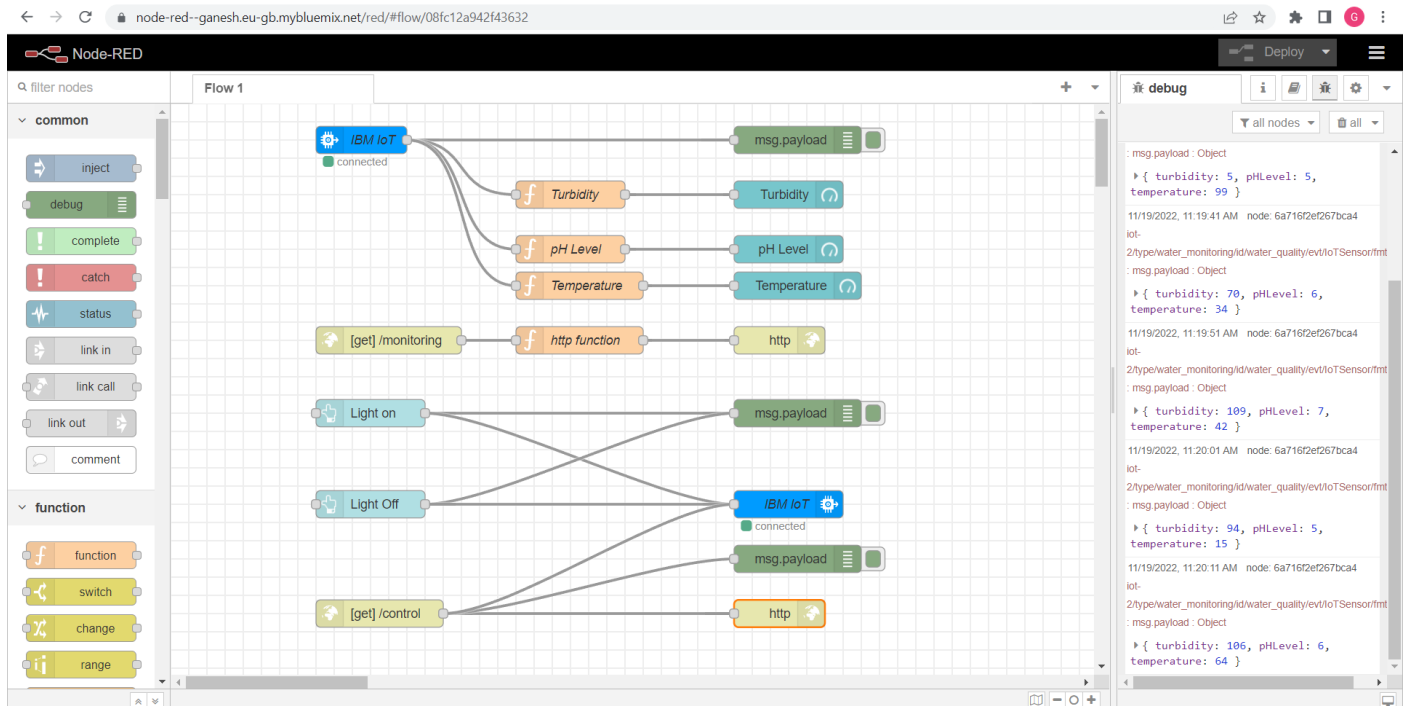
STEP 4:

NODE RED SERVICE

- INSTALL IBM IOT IN MANGE PALETTE. ●
- INSTALL NODE RED DASHBOARD.

STEP 5:

Configuring the corresponding nodes



STEP 6:

Deploy the Services and verify the output values.

OUTPUT IN IBM WATSON IOT PLATFORM:

ofq2bm.internetofthings.ibmcloud.com/dashboard/devices/browse

ganesharum145@gmail.com
ID: ofq2bm

IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

Search by Device ID

Device Simulator

water_quality

Connected

water_monitoring

Device

Nov 17, 2022 9:48 AM

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	{ "turbidity":103,"pHLevel":1,"temperature":38}	json	a few seconds ago
IoTSensor	{ "turbidity":94,"pHLevel":8,"temperature":94}	json	a few seconds ago
IoTSensor	{ "turbidity":106,"pHLevel":9,"temperature":6}	json	a few seconds ago
IoTSensor	{ "turbidity":74,"pHLevel":7,"temperature":100}	json	a few seconds ago
IoTSensor	{ "turbidity":37,"pHLevel":4,"temperature":68}	json	a few seconds ago

1 Simulation running