### **SPRINT 2**

#### **TEAM ID: PNT2022TMID20975**

## REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

#### AIM:

To create device in the IOT Watson Platform and Configure Node Red Services.

## **REQUIREMENT:**

IBM cloud, IBM IOT WATSON PLATFORM, NODE RED SERVICES.

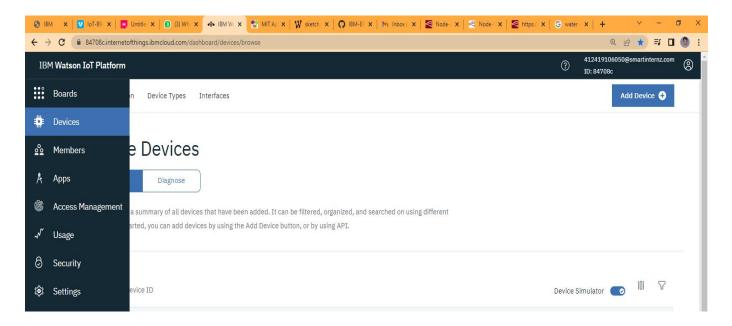
#### **WORKFLOW:**

#### **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: 84708c Bluemix Free)



**STEP 3:** Create an device IBM IOT PALTFORM.

0		)	O		
Identity	D	Device Information	Security	Summary	
	Select a device type for the device that you are adding and give the device a unique ID.				
	Device Type	Select or create a device t	ype		
	Device ID	Enter Device ID			

TYPE THE REQUIRED FIELDS (TYPE: ESP32 , ID: 1234) GIVE AUTH-TOKEN.

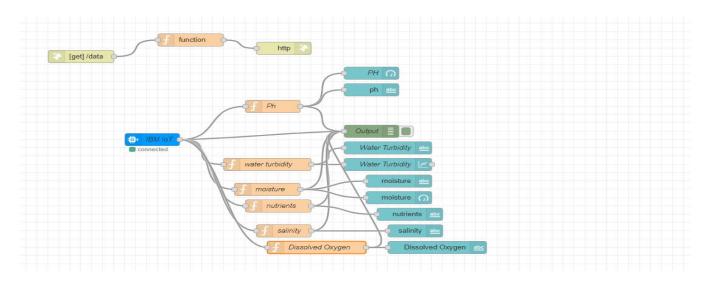
# **STEP 4:**

## 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:**

