TEAM ID: PNT2022TMID26570

REAL TIME RIVER QUALITY MONITORING AND CONTROL SYSTEM

DESIGN AN APP IN MIT APP INVENTOR

PARAMETERS ARE:

1. Ph
2. Water turbidity
3. Moisture
4. Salinity
5. Dissolved Oxygen
6. Nutrients

FRAME THE BLOCKS FOR FUNCTIONING

FOR BUTTONS

https://node-red-qltdp-2022-11-07.eu-gb.mybluemix.net/data
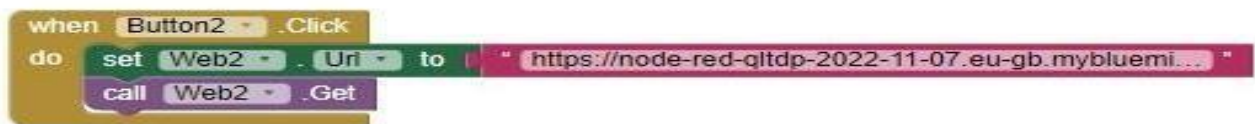
{"Ph":6,"waterturbidity":78,"moisture":73,"nutrients":10,"salinity":38,"dissolvedO2":50}

Device Type: abcd

Events 1

New event type ⊕

⌄ **Event type name**   event_1   **Send**   🗑

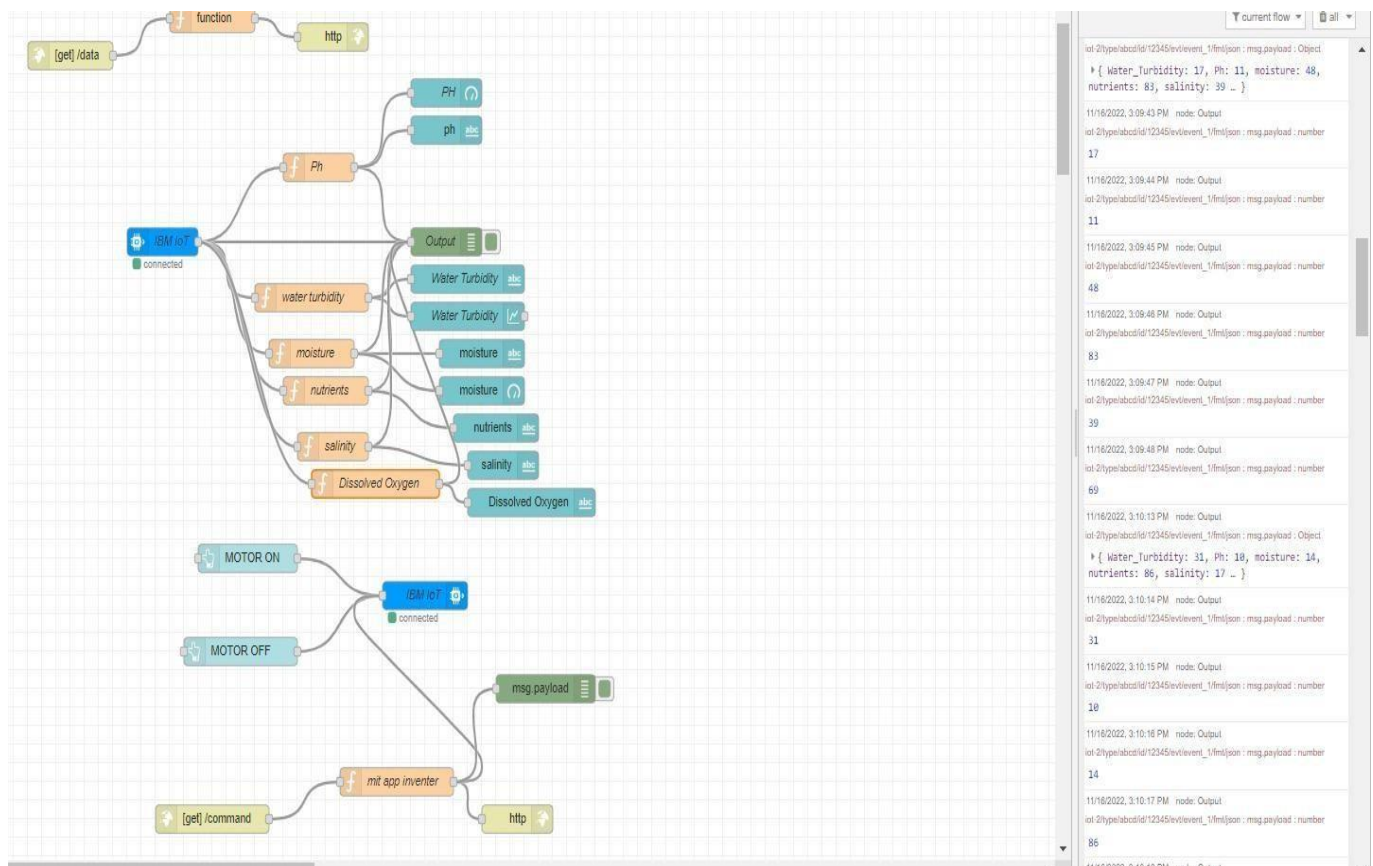**Schedule**

| 2 | Every Minute ▼ |

Payload

Specify the event payload in the editor window or by uploading a **CSV file.**

```
0  {
1      "Water_Turbidity": random(15,100),
2      "Ph": random(0, 14),
3      "moisture": random(0, 80),
4      "nutrients":random(0,100),
5      "salinity":random(0,100),
6      "dissolvedO2":random(0,100)
7  }
```

Cancel   Save

APP IN MOBILE

| Water Turbidity | 53 |

Ph	9
moisture	1
nutrients	66
salinity	26
dissolved O2	27

Motor On   **Motor Off**