### **TEAM ID: PNT2022TMID10956**

# **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

```
when Clock1 Timer
do set (Web1 **) . (Url **) to https://node-red-gltdp-2022-11-07.eu-gb.mybluemi...
    call Web1 .Get
when Web1 GotText
                   responseType
do set (TextBox1) . (Text) to
                               look up in pairs key waterturb dity
                                          pairs call Web1 JsonTextDecode
                                                                    jsonText
                                                                             responseContent *
                                       notFound not found
    set TextBox2 . Text to look up in pairs key Ph
                                          pairs call Web1 .JsonTextDecode
                                                                             responseContent =
    notFound not found set TextBox3 10 . Text to plook up in pairs key moisture.
                                          pairs call (Web11) .JsonTextDecode
                                                                   jsonText get responseContent .*
                                       notFound not found
    set TextBox4 . Text to look up in pairs key in nutrients
                                          pairs call Web1 JsonTextDecode
                                                                    jsonText get responseContent *
                                      notFound not found
    set TextBoX5 . Text to look up in pairs key salinity
                                          pairs call (Web144) .JsonTextDecode
                                                                    jsonText get responseContent
                                       notFound not found
    set (TextBox6) . (Text to blook up in pairs key ) dissolvedO2
                                          pairs call Web1 JsonTextDecode
                                                                 jsonText get responseContent
                                       notFound not found
```

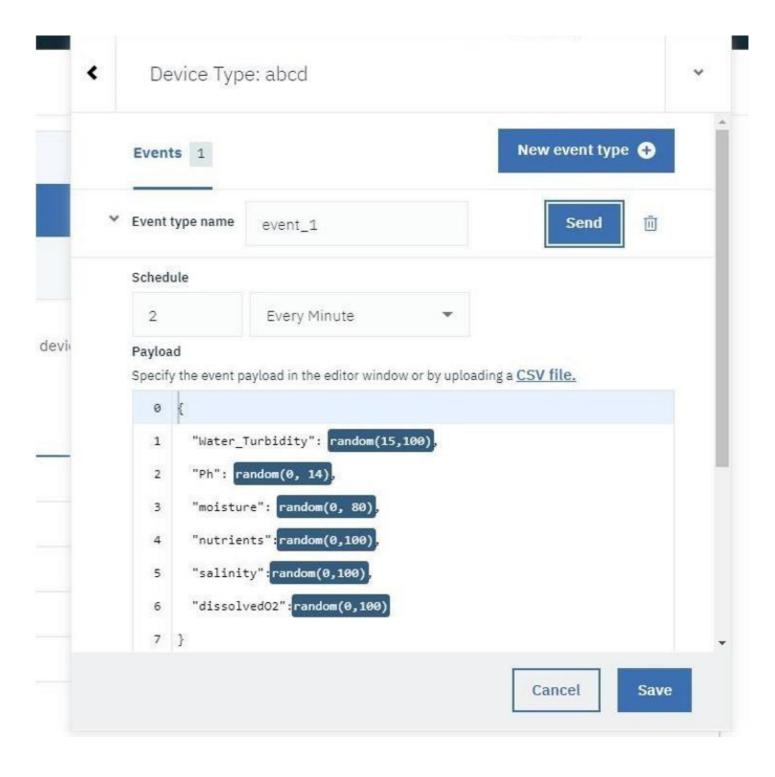
#### **FOR BUTTONS**

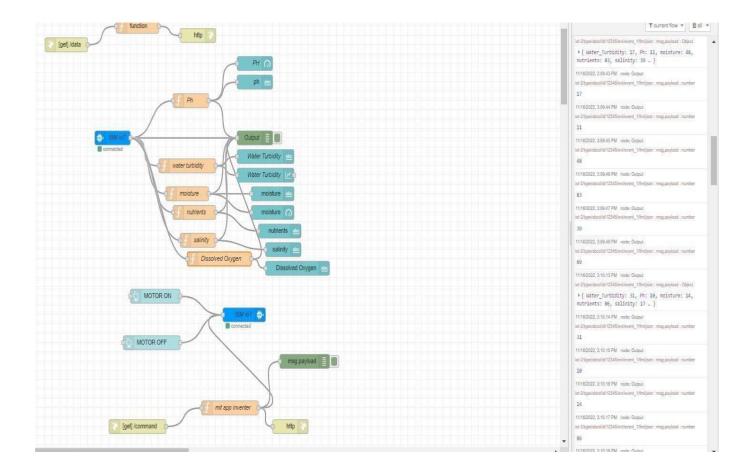
```
when Button1 - Click
do set Web2 - Ur to "https://node-red-qltdp-2022-11-07.eu-gb.mybluemi..."

call Web2 - Click
do set Web2 - Ur to https://node-red-qltdp-2022-11-07.eu-gb.mybluemi..."

call Web2 - Get
```

https://node-red-qltdp-2022-11-07.eu-gb.mybluemix.net/data





# **APP IN MOBILE**

