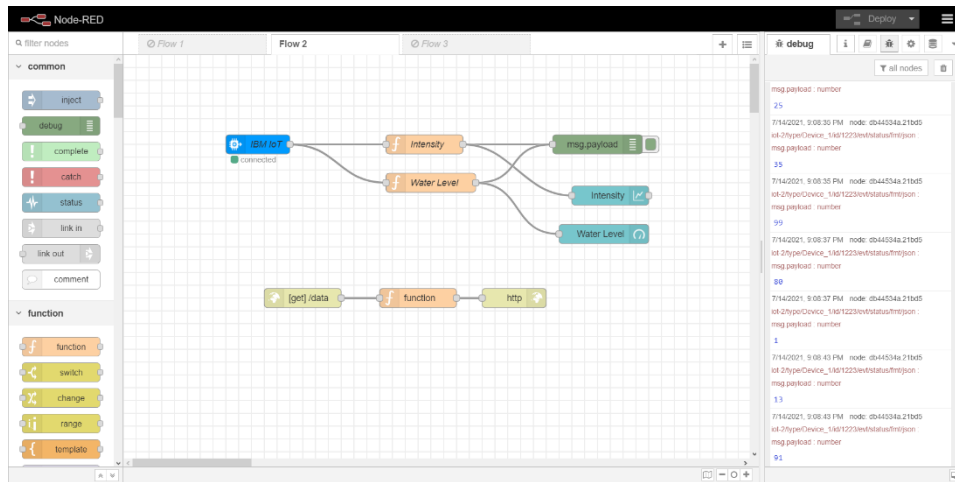


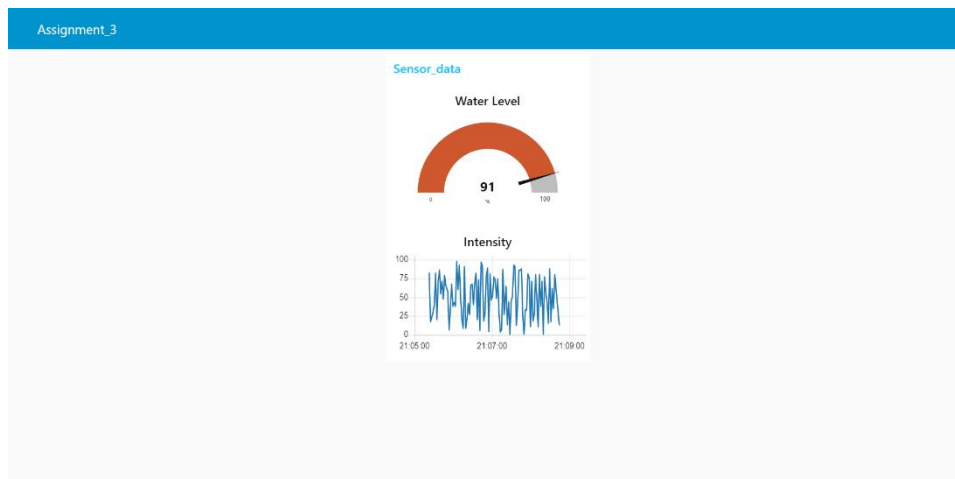
## ASSIGNMENT – 03

Vighnesh M

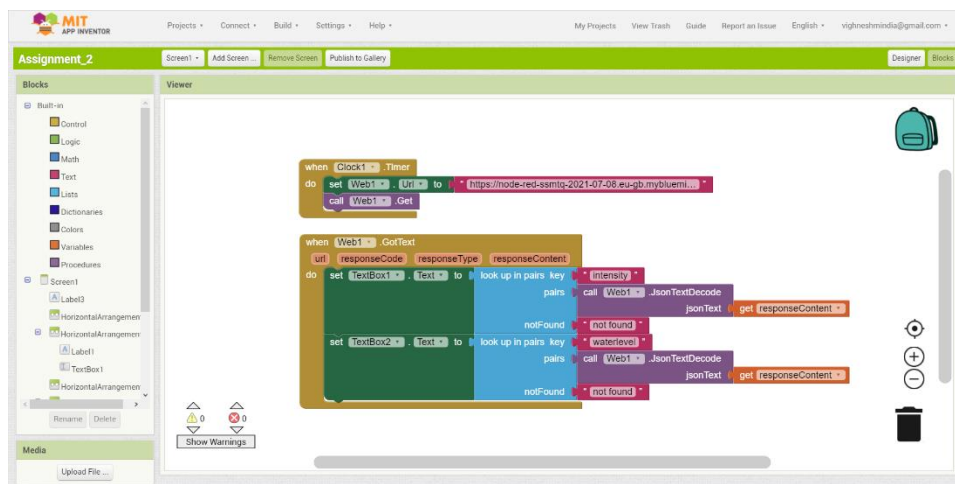
### NODE-RED FLOW:



### NODE-RED DASHBOARD OUTPUT:



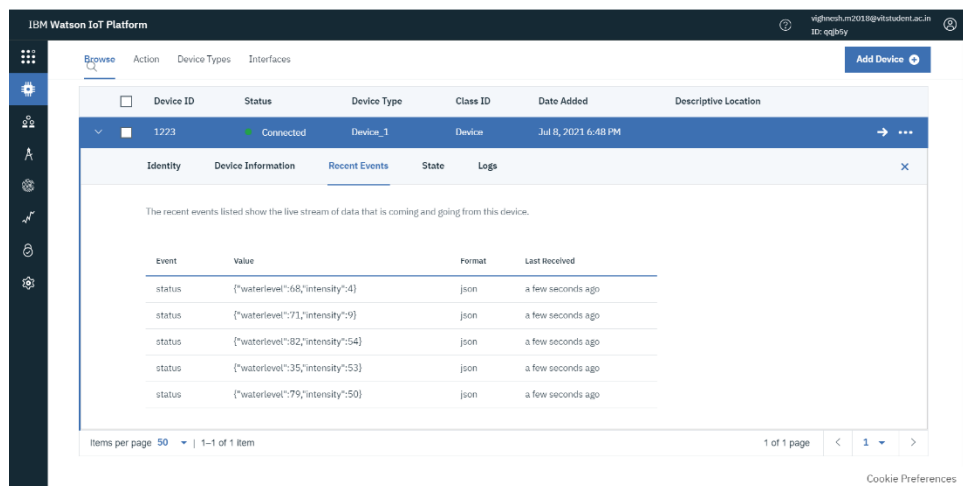
### MIT APP BUILDER BLOCKS:



## JSON Output in URL

```
{"intensity":13,"waterlevel":91}
```

## IBM CLOUD OUTPUT:



The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various functions. The main content area shows a table with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. A device with ID 1223 is listed as 'Connected'. Below this, a 'Recent Events' tab is selected, showing a table of events with columns: Event, Value, Format, and Last Received. The events are status updates with varying waterlevel and intensity values. At the bottom, there is a pagination bar showing '1 of 1 page' and a 'Cookie Preferences' link.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1223	Connected	Device_1	Device	Jul 8, 2021 6:48 PM	

Event	Value	Format	Last Received
status	{"waterlevel":68,"intensity":4}	json	a few seconds ago
status	{"waterlevel":71,"intensity":9}	json	a few seconds ago
status	{"waterlevel":82,"intensity":54}	json	a few seconds ago
status	{"waterlevel":35,"intensity":53}	json	a few seconds ago
status	{"waterlevel":79,"intensity":50}	json	a few seconds ago

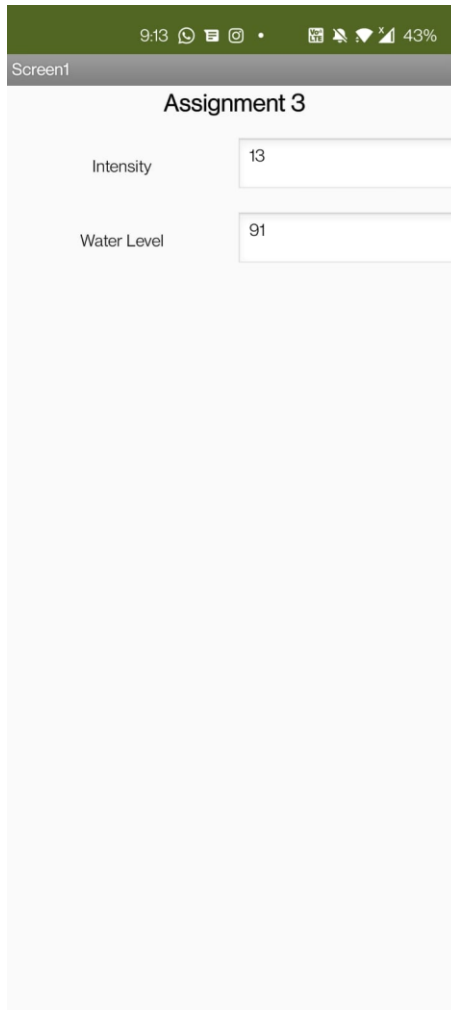
## CONSOLE OUTPUT IN PYTHON:

```
Python 3.8.5 (default, Sep 3 2020, 21:29:08) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license()" for more information.

IPython 7.19.0 -- An enhanced Interactive Python.

In [1]: runfile('F:/VIT_1/Externship/SI-GuidedProject-3835-1625657331/
ASSIGNMENTS/Assignment-3/Assignment_3.py', wdir='F:/VIT_1/Externship/SI-
GuidedProject-3835-1625657331/ASSIGNMENTS/Assignment-3')
2021-07-14 23:32:15,109 wiotp.sdk.device.client.DeviceClient INFO
Connected successfully: d:qqjb5y:Device_1:1223
Published data Successfully: %s {'waterlevel': 6, 'intensity': 25}
Published data Successfully: %s {'waterlevel': 39, 'intensity': 96}
Published data Successfully: %s {'waterlevel': 61, 'intensity': 47}
Published data Successfully: %s {'waterlevel': 65, 'intensity': 74}
Published data Successfully: %s {'waterlevel': 62, 'intensity': 6}
```

## MOBILE APPLICATION:



9:13 [WhatsApp] [Telegram] [Instagram] [App Store] [Google Play] [Signal] [Wi-Fi] [Battery 43%]

Screen1

### Assignment 3

Intensity	<input type="text" value="13"/>
Water Level	<input type="text" value="91"/>