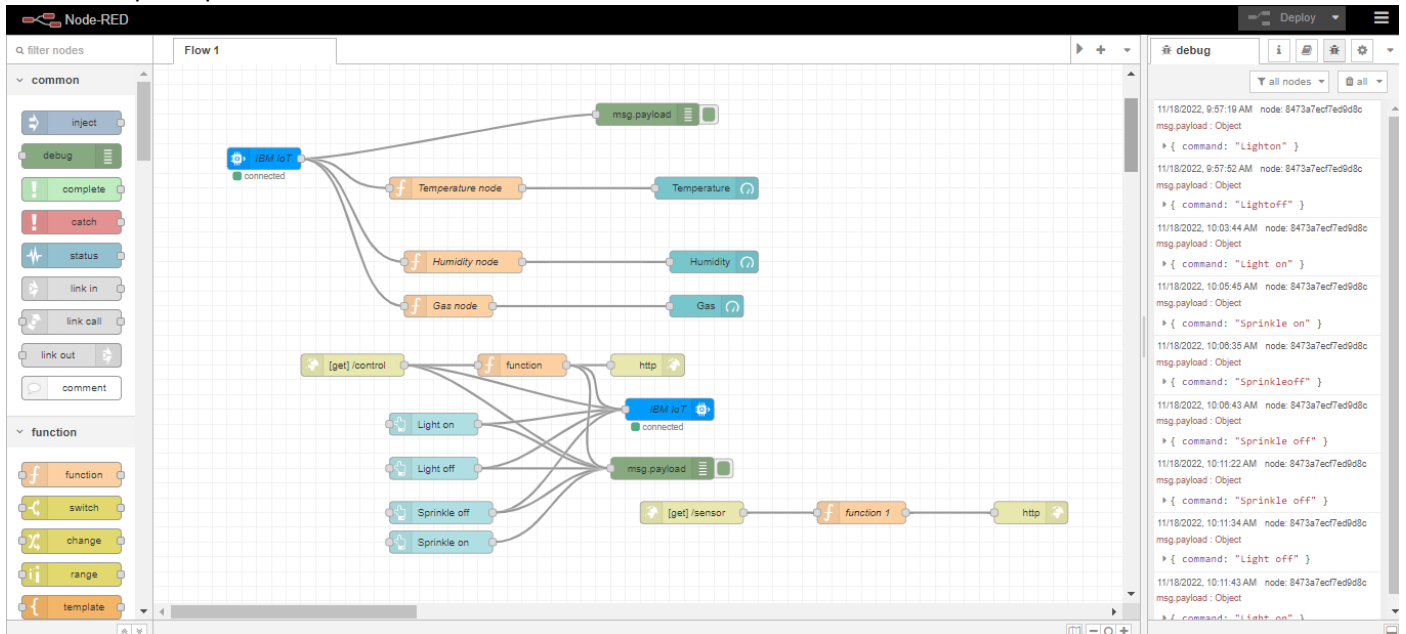


## Project Development Phase Delivery of Sprint 4

Date	15 November 2022
Team ID	PNT2022TMID45387
Project Name	Project –Gas leakage monitoring and alerting system for Industries
Marks	20 marks

### Step 1: Open Node Red from IBM Cloud



Step 2: Generated link is pasted

<https://node-red-bwjz-2022-11-10.eu-gb.mybluemix.net/sensor>

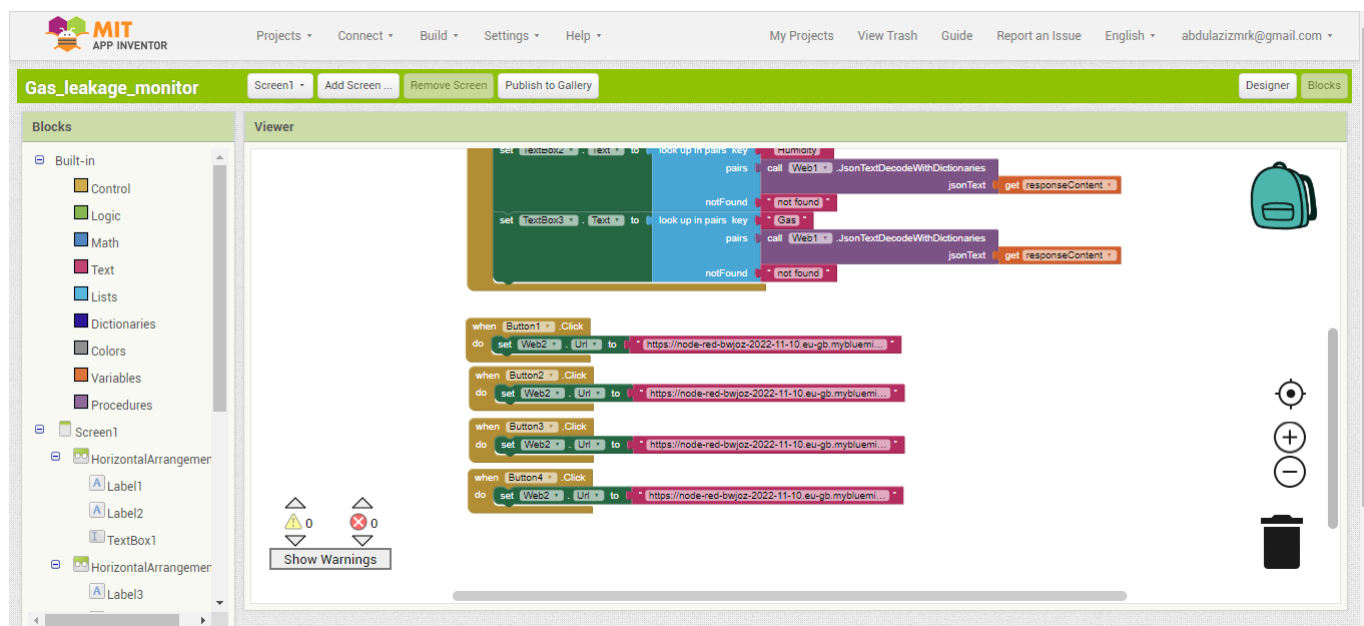
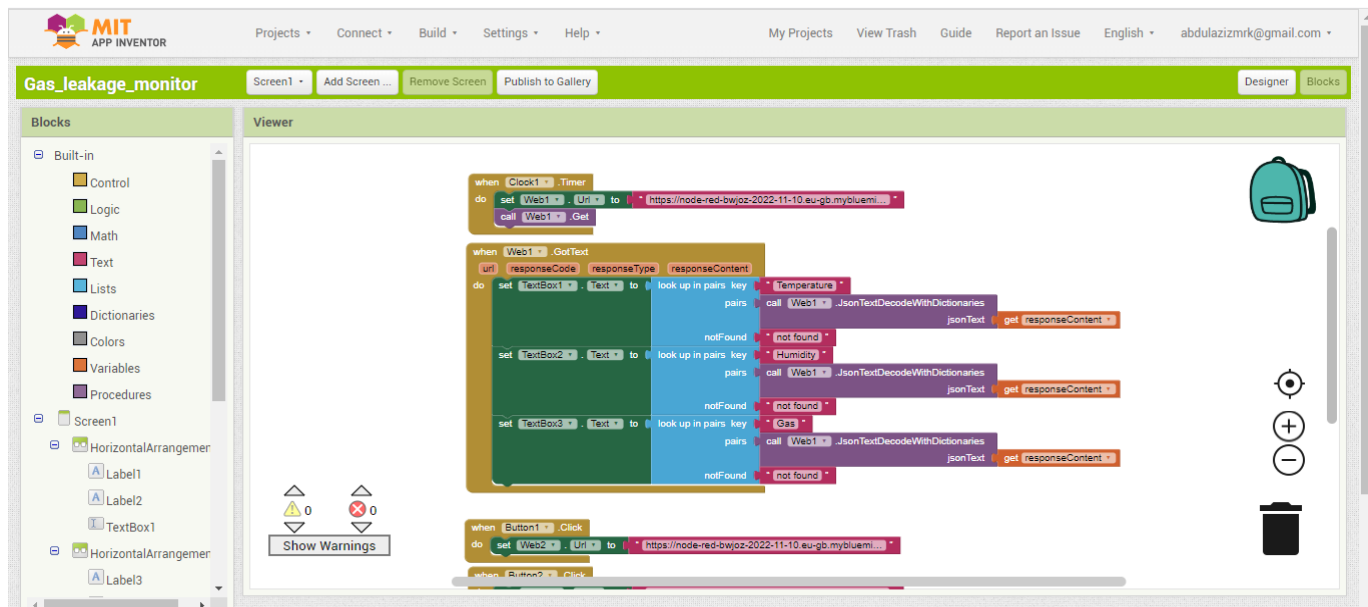
<https://node-red-bwjz-2022-11-10.eu-gb.mybluemix.net/control?command=Light%20on>

<https://node-red-bwjz-2022-11-10.eu-gb.mybluemix.net/control?command=Light%20off>

<https://node-red-bwjz-2022-11-10.eu-gb.mybluemix.net/control?command=Sprinkle%20on>

<https://node-red-bwjz-2022-11-10.eu-gb.mybluemix.net/control?command=Sprinkle%20off>

Step 3: Paste the links in the sensor and button blocks and the results of blocks of backend is shown



Step 4: The final input using MIT app inventor is displayed:

The screenshot shows a mobile application interface titled "Gas Leakage Detection and Alerting". The interface displays three sensor readings: "Monitoring Layout Temperature" with a value of 80, "Humidity" with a value of 19, and "Gas" with a value of 68. Each reading is shown next to a text input field. Below the readings, there are four colored buttons: a green button labeled "Light on", a red button labeled "Light off", a cyan button labeled "Sprinkle on", and a yellow button labeled "Sprinkle off". The top status bar of the phone shows the time as 10:09, data usage as 1.6KB/s, and battery level as 50%.

Sensor	Value
Monitoring Layout Temperature	80
Humidity	19
Gas	68

Control Buttons:

- Light on
- Light off
- Sprinkle on
- Sprinkle off