# SPRINT 2 REPORT

SMARTFARMER – IOT ENABLED SMART FARMING APPLICATION



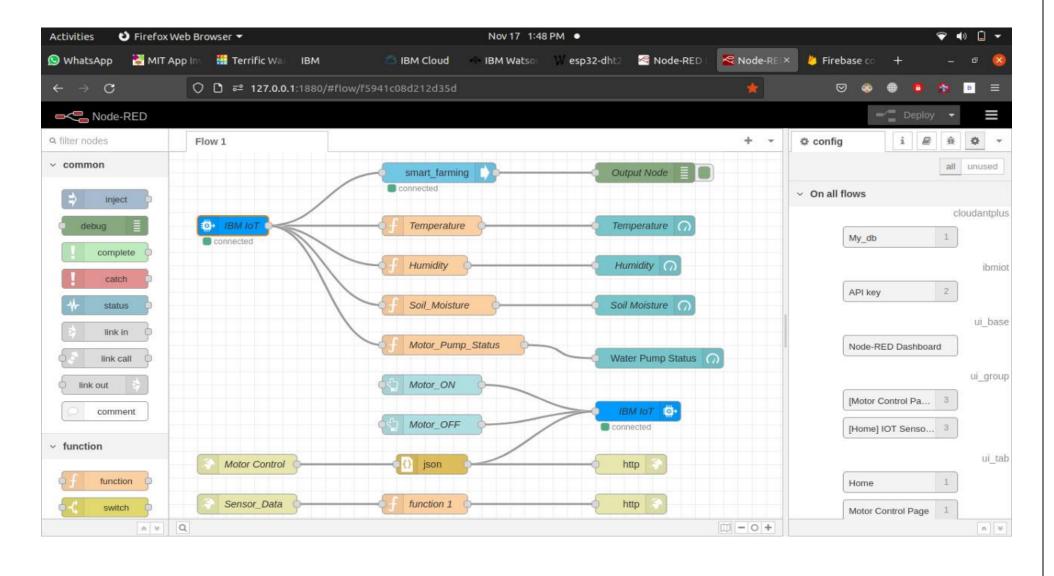
- TEAM LEADER : MUGESHWARAN G
- TEAM MEMBER: ISRAVEL KEWIN CLINT P
- TEAM MEMBER: BLESSWIN.K.SAMUEL
- TEAM MEMBER: VIJAY S

## **Project Tracker**

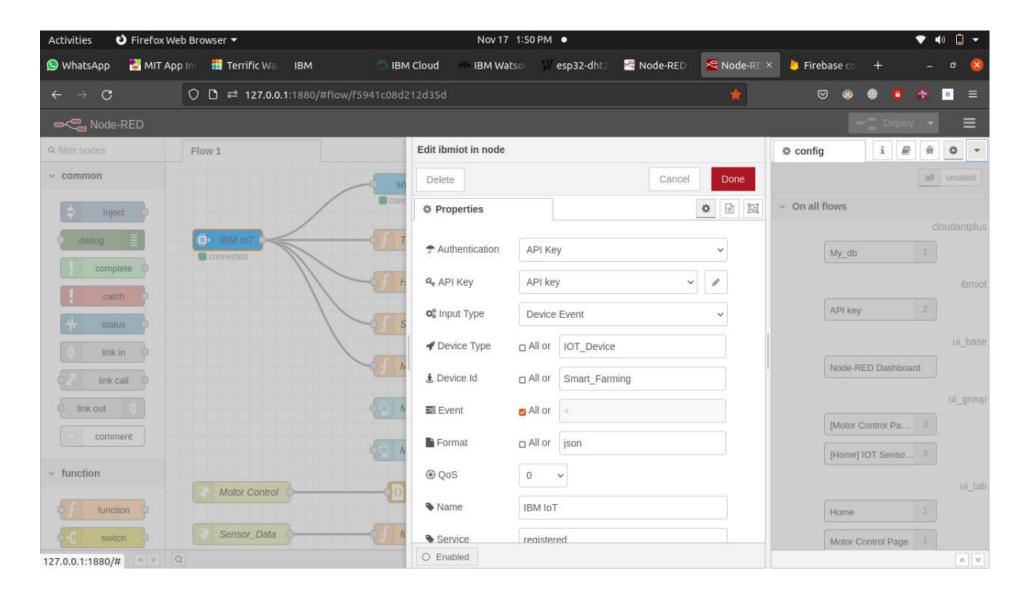
| Sprint   | Total Story<br>Points | Duration | Sprint Start<br>Date | Sprint End Date<br>(Planned) | Story Points<br>Completed (as<br>on Planned<br>End Date) | Sprint Release Date<br>(Actual) |
|----------|-----------------------|----------|----------------------|------------------------------|--|---------------------------------|
| Sprint-1 | 15                    | 5 Days   | 26 Oct 2022          | 30 Oct 2022                  | End Date)  | 30 Oct 2022                     |
| Sprint-2 | 15                    | 7 Days   | 31 Oct 2022          | 06 Nov 2022                  | 15   | 07 Nov 2022                     |
| Sprint-3 | 15                    | 6 Days   | 07 Nov 2022          | 12 Nov 2022                  |  | 13 Nov 2022                     |
| Sprint-4 | 15                    | 6 Days   | 13 Nov 2022          | 18 Nov 2022                  |  | 18 Nov 2022 – 19<br>Nov 2022    |

| S.NO | Tool     |
|------|----------|
| 1    | Node Red |

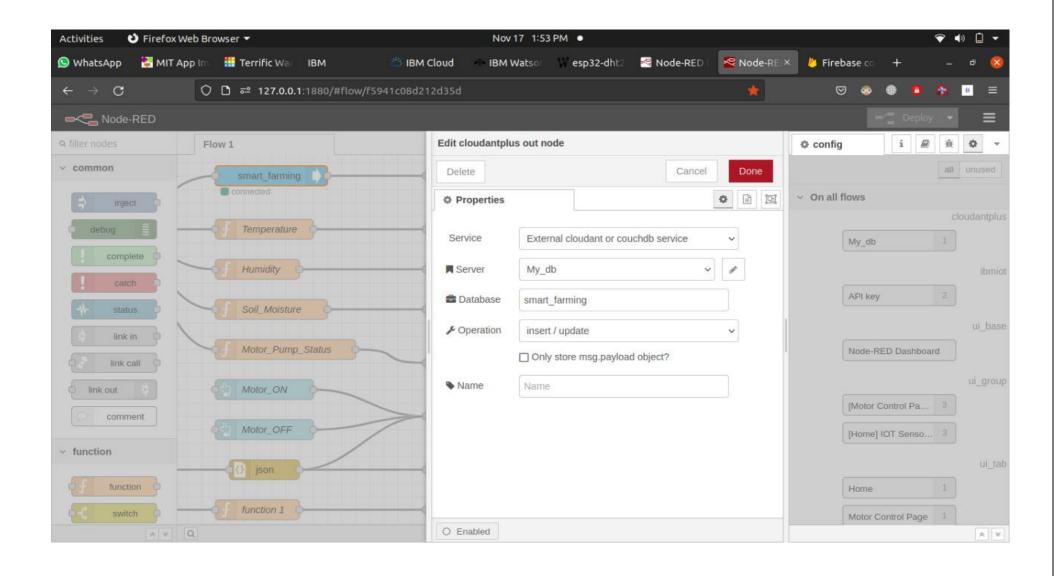
#### **Application Node Red Structure**



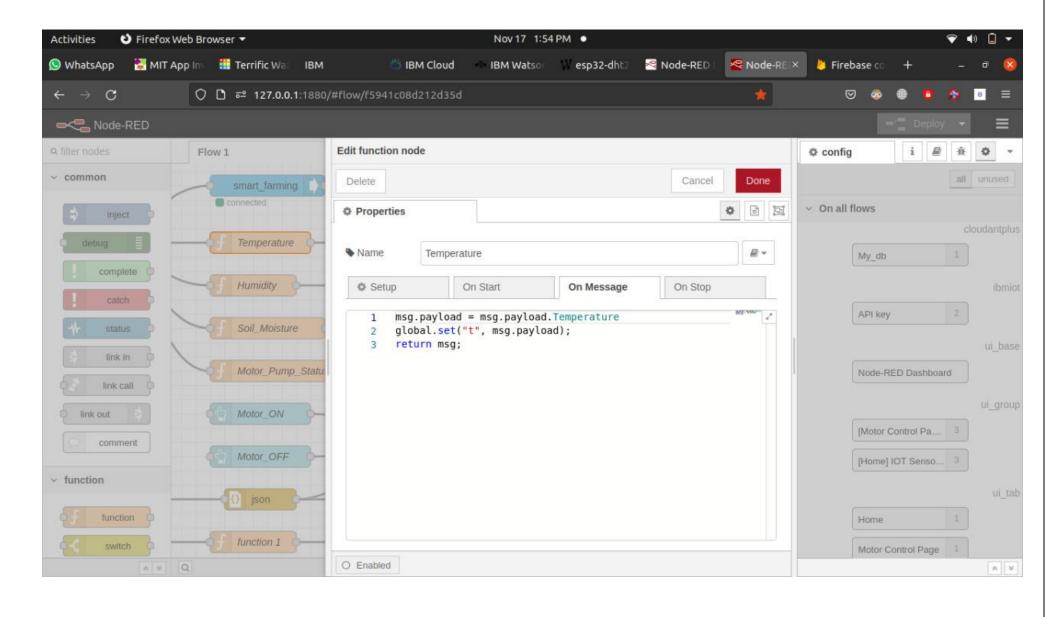
## **IBM Input Node**



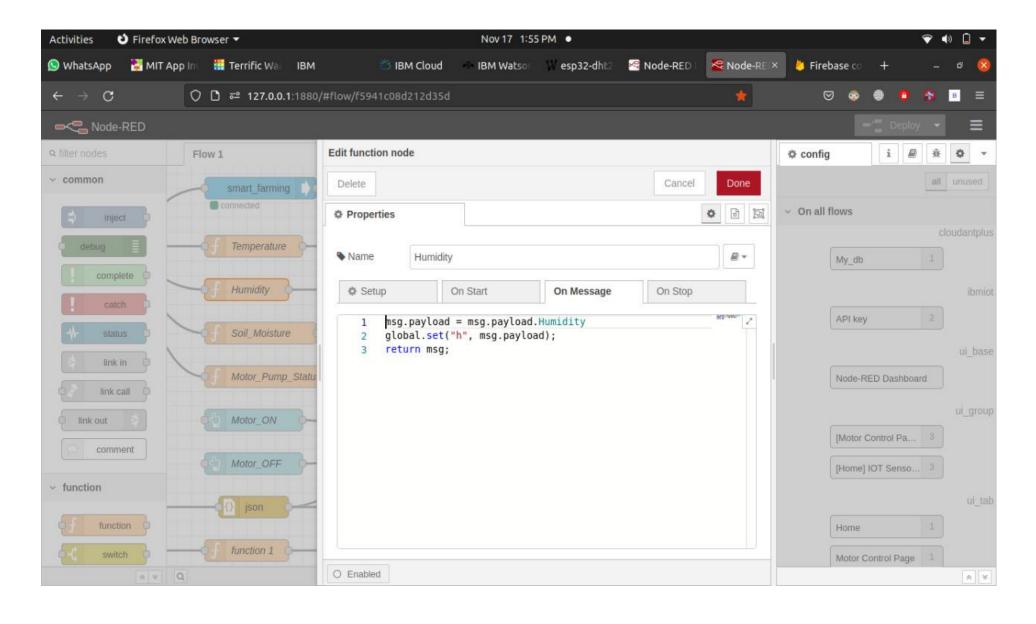
#### **Cloudant out Node**



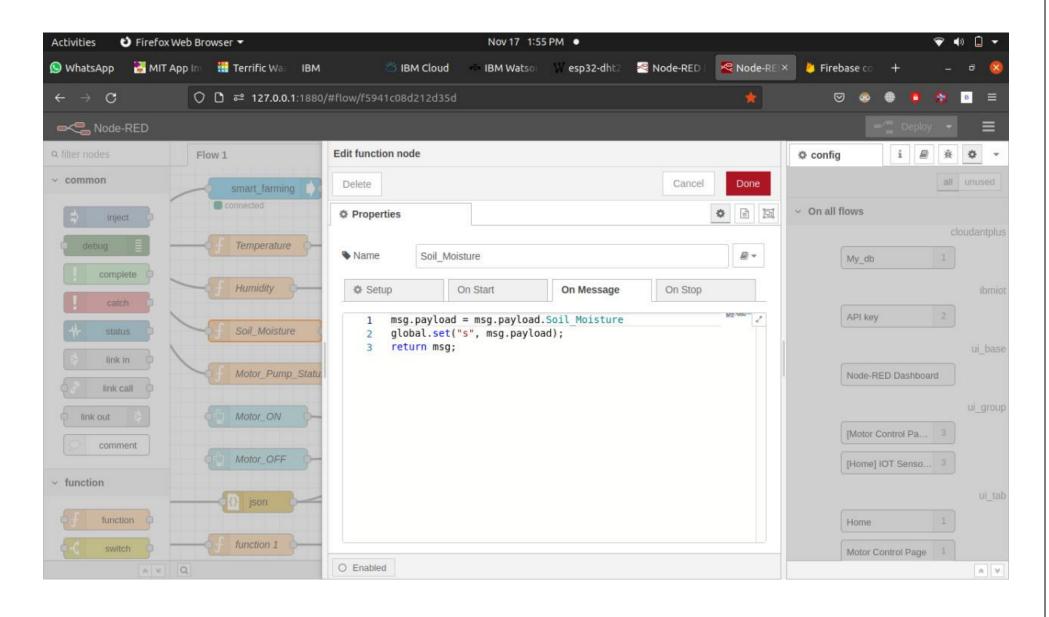
## **Temperature Function**



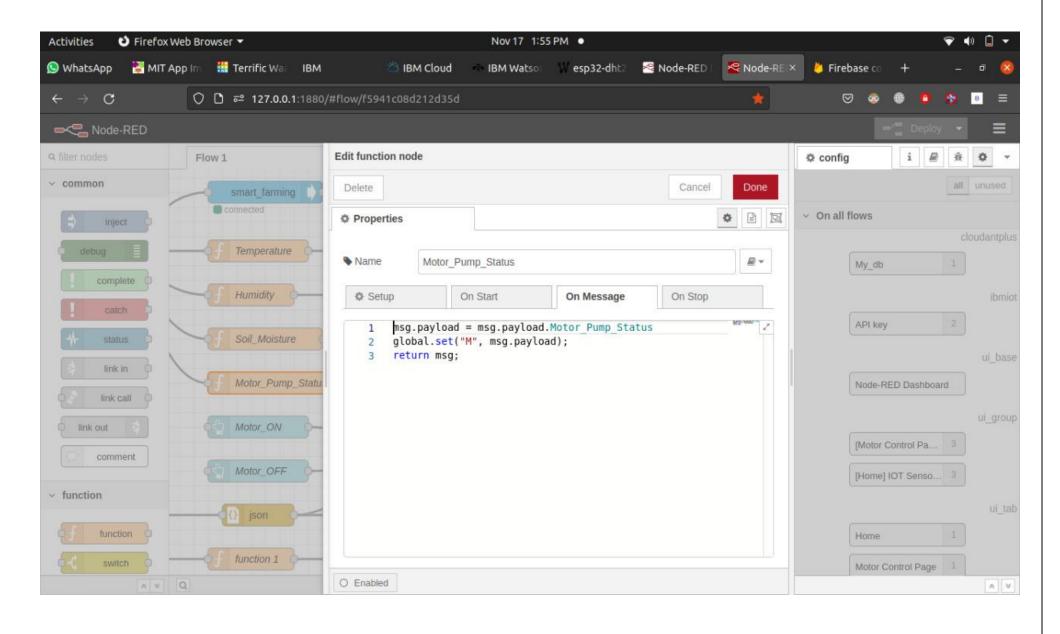
## **Humidity Function**



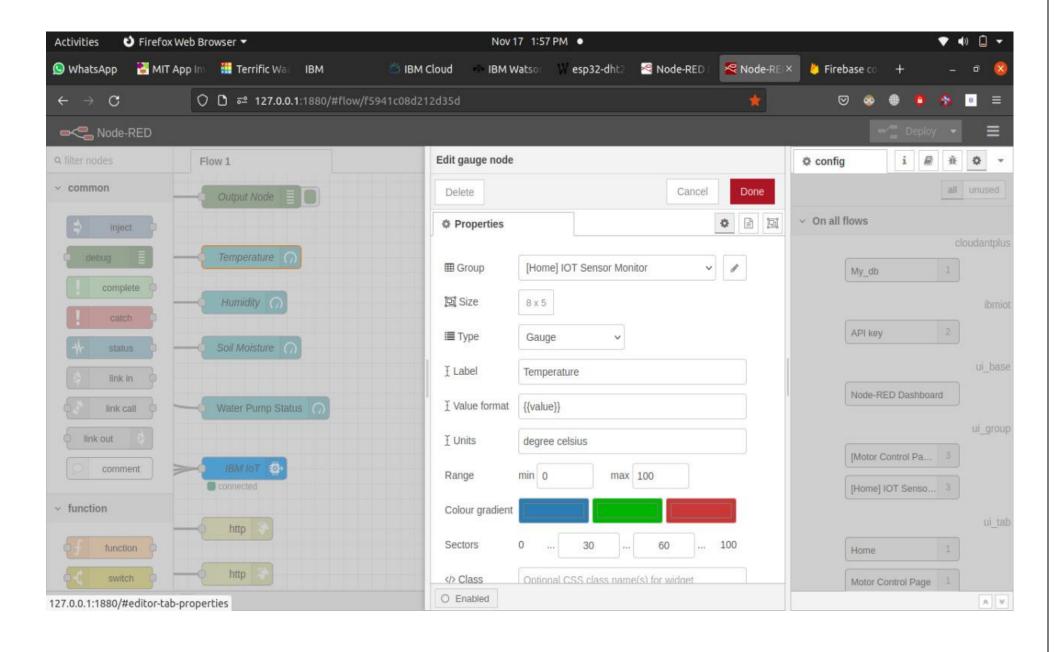
#### **Soil Moisture Function**



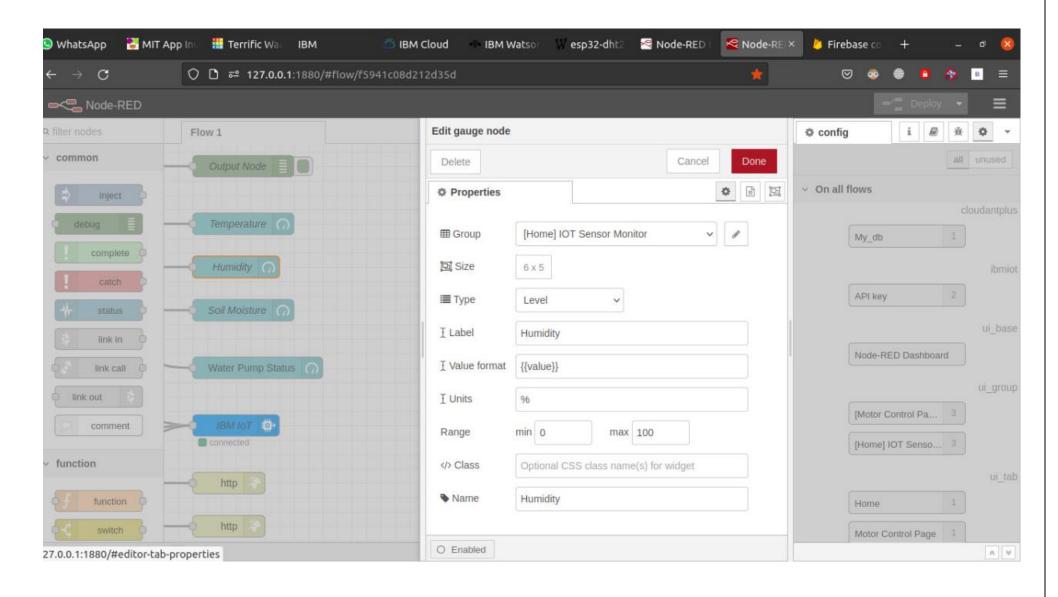
## **Motor-Pump Function**



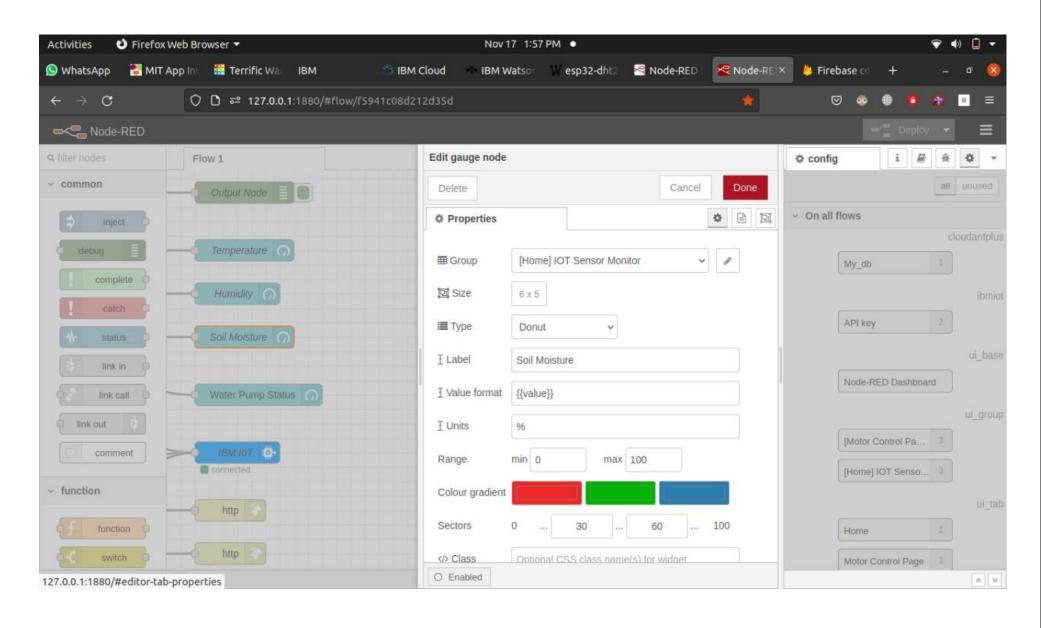
#### **Temperature Gauge Node**



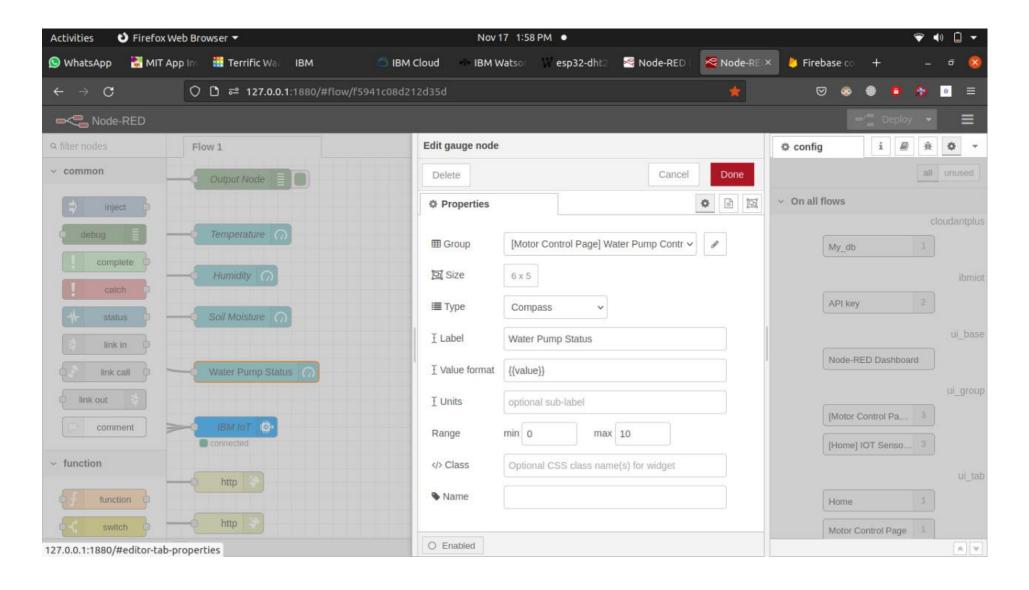
### **Humidity Gauge Node**



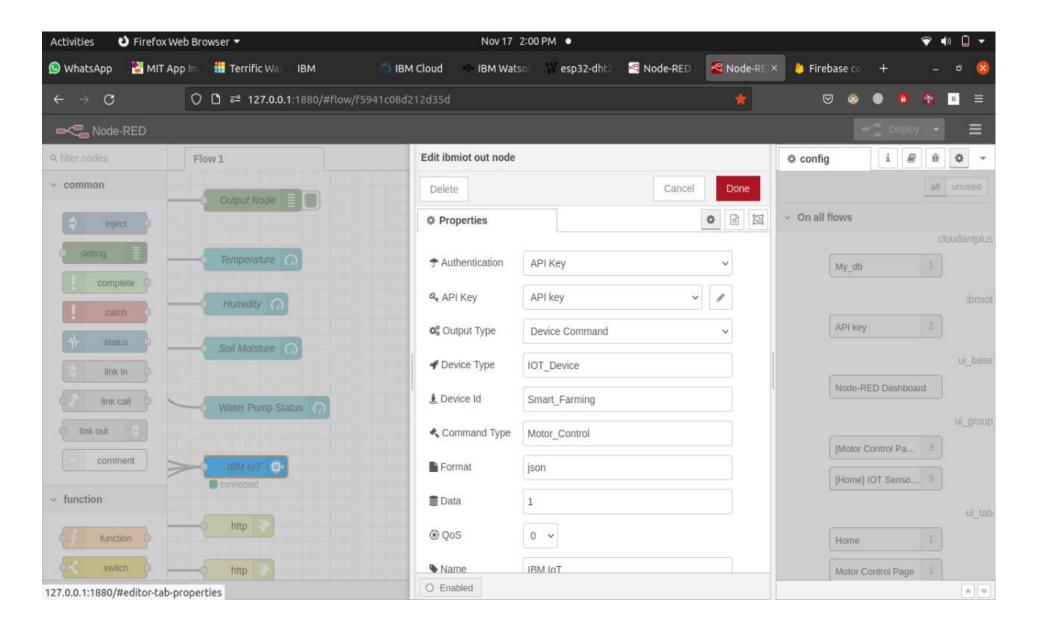
#### **Soil-Moisture Gauge Node**



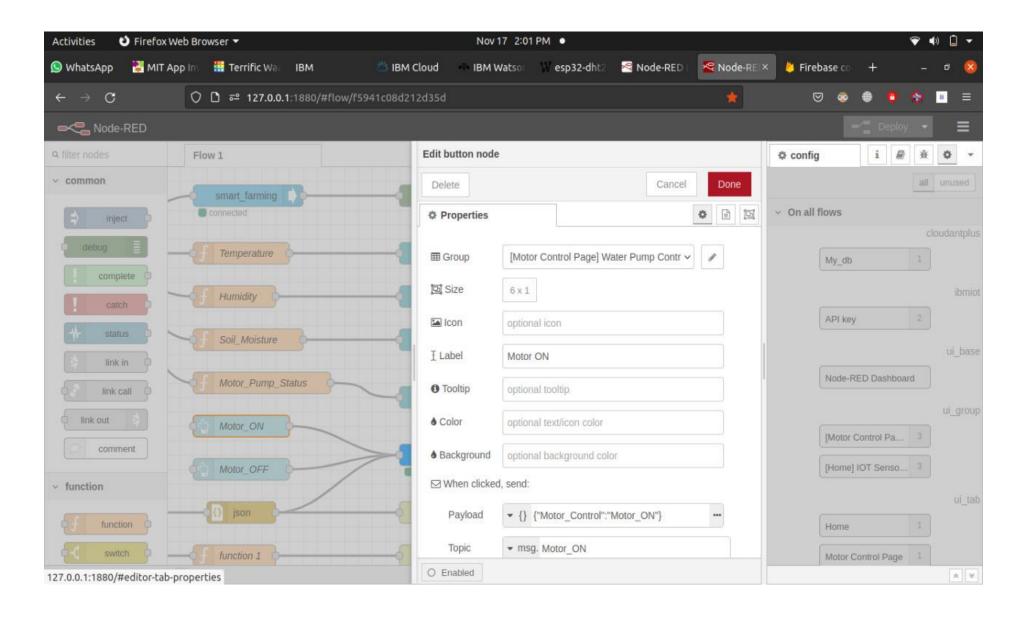
#### **Water Pump Gauge Node**

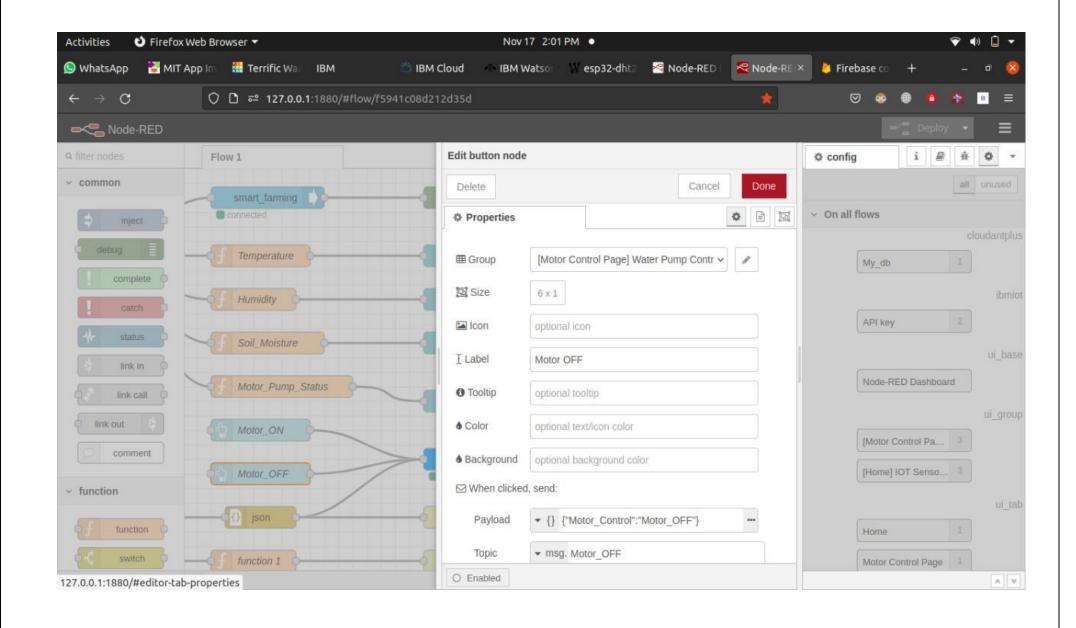


#### **IBM out Node**

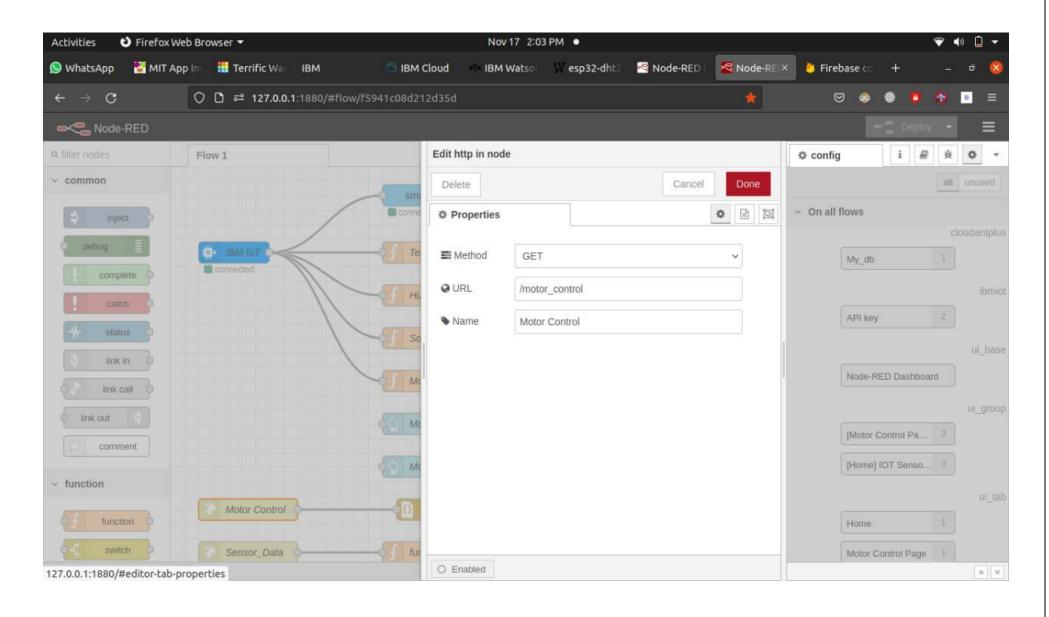


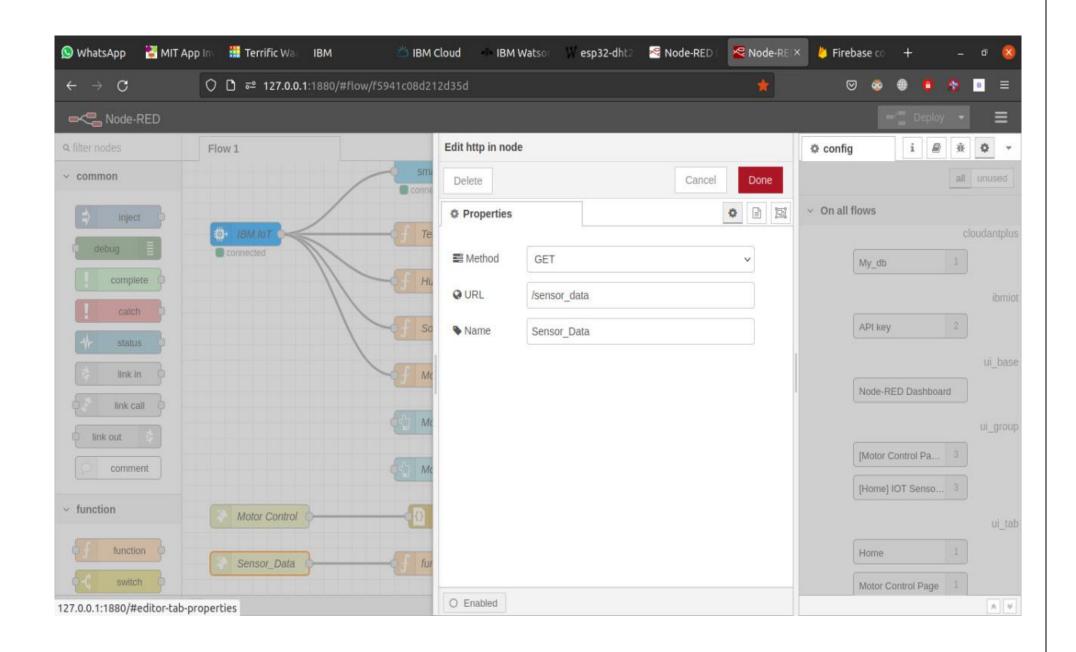
#### **Button Node**





#### **HTTP IN Node**





#### **Function Node for Sensor Data**

