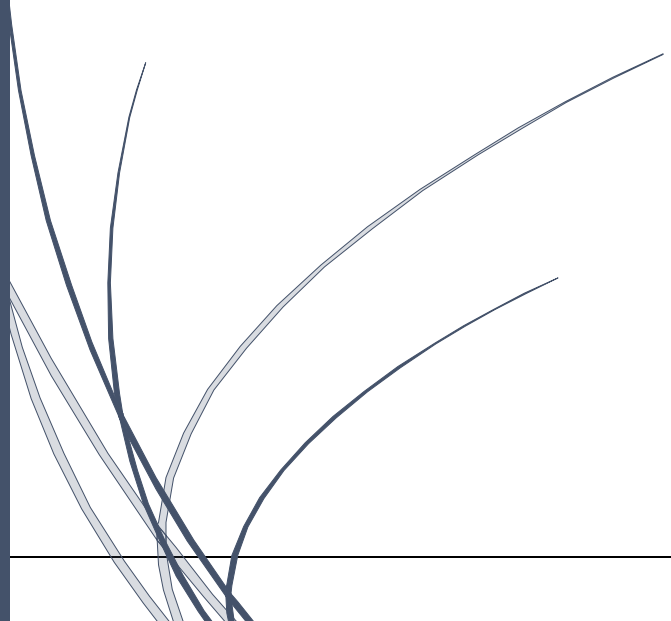
SPRINT 2 REPORT

IBM



SMARTFARMER – IOT ENABLED SMART FARMING APPLICATION

TEAM ID – PNT2022TMID01028

- **TEAM LEADER : SAJETHA M**
- **TEAM MEMBER : NAVIYARASU G**
- **TEAM MEMBER : PAVITHRA K**
- **TEAM MEMBER : PAVATHARANI P**

Project Tracker

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	15	5 Days	26 Oct 2022	30 Oct 2022	15	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 Nov 2022

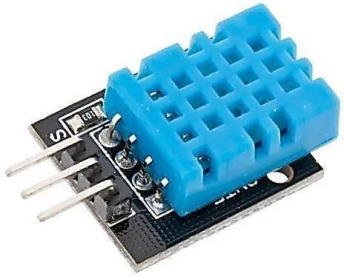
WORKDONE IN DASHBOARD :

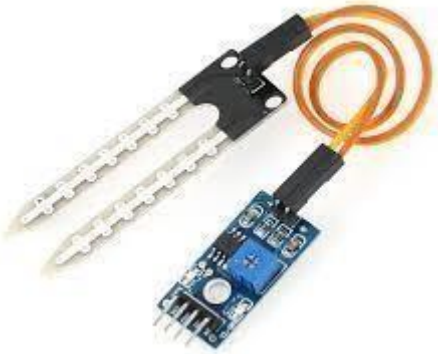
As per user stories, we created a dashboard with data is represented in graphical representation with organized section in separate widget for better user understanding.

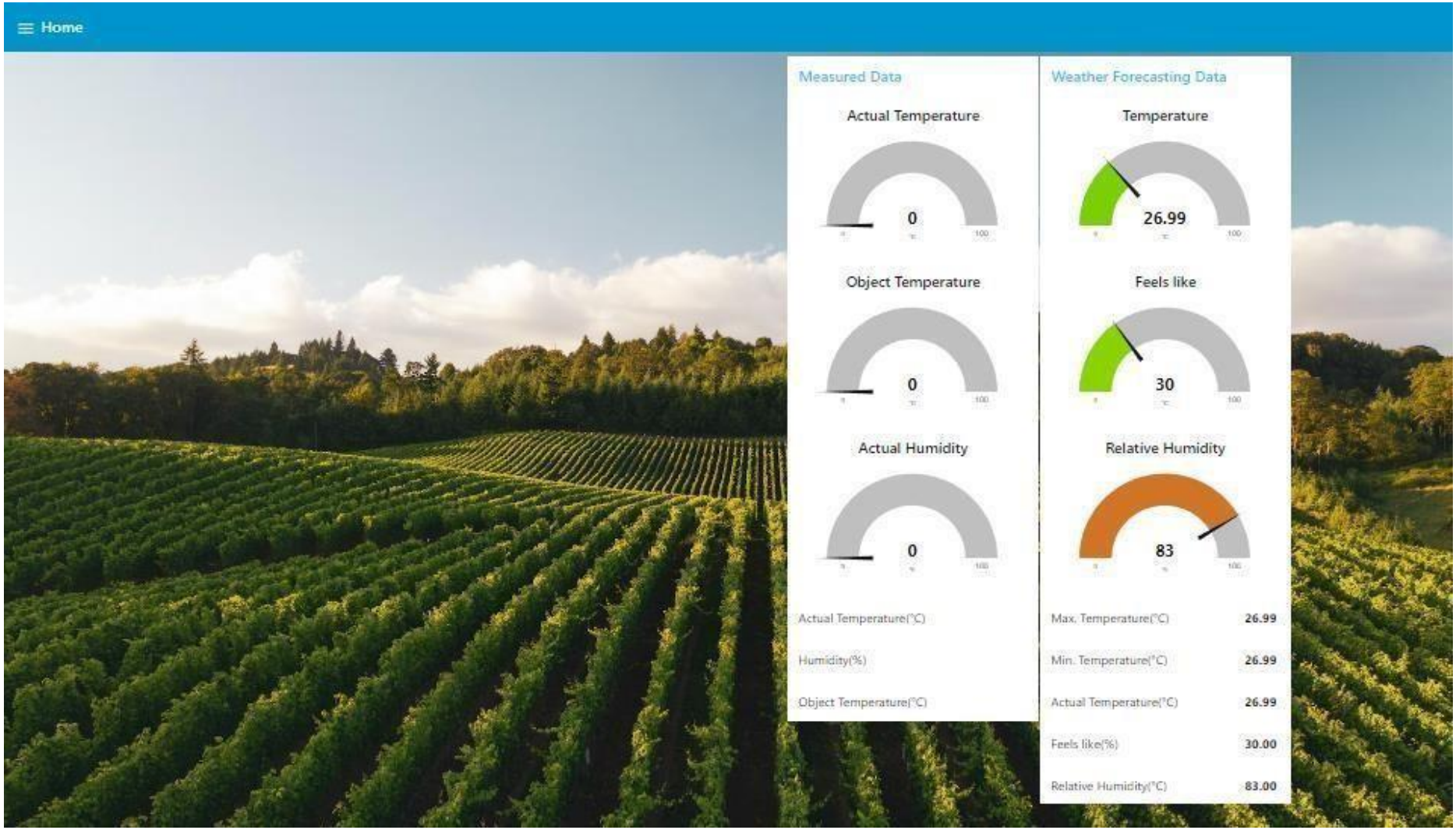
DEVICES ESTIMATION :

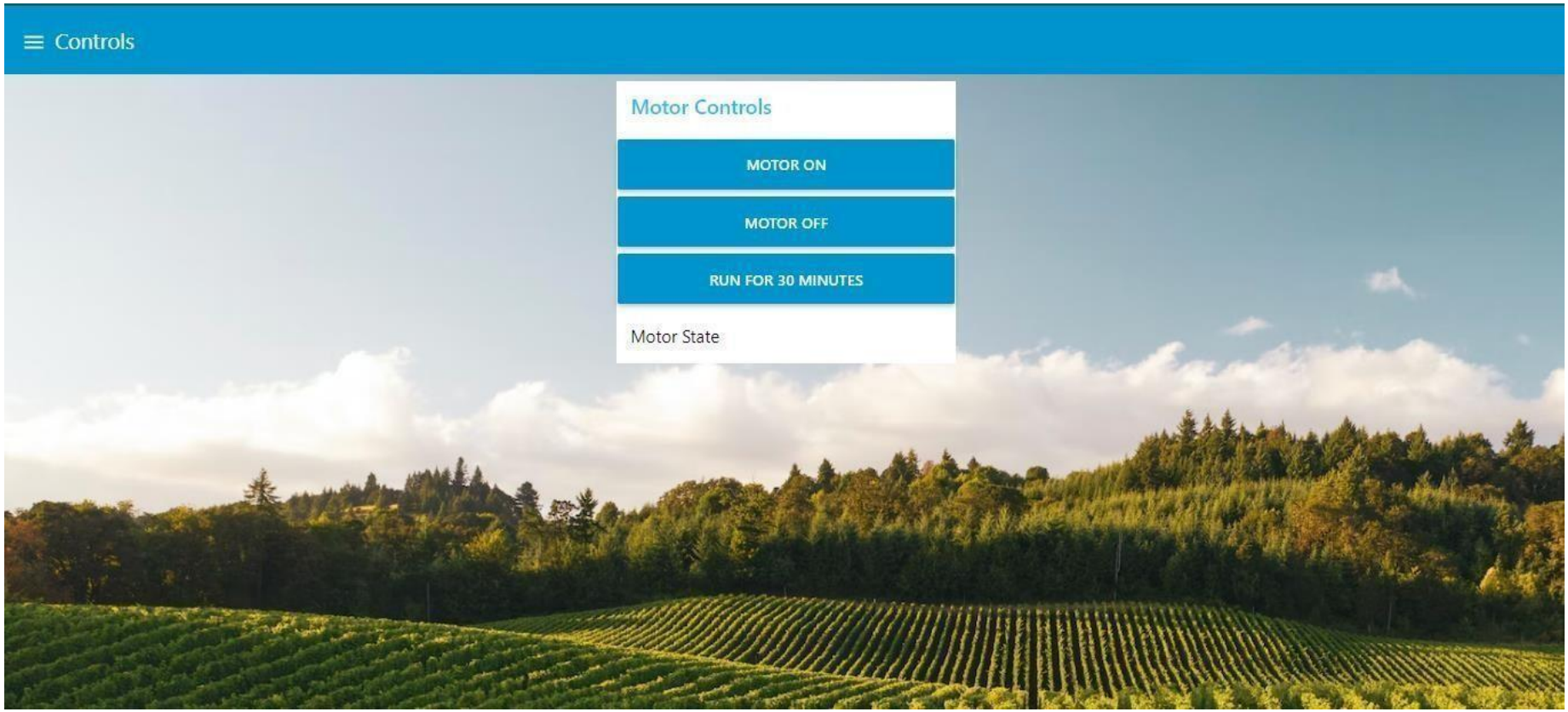
- Temperature and Humidity Sensor Soil Moisture Sensor

Above sensor are used for sensing some parameters.

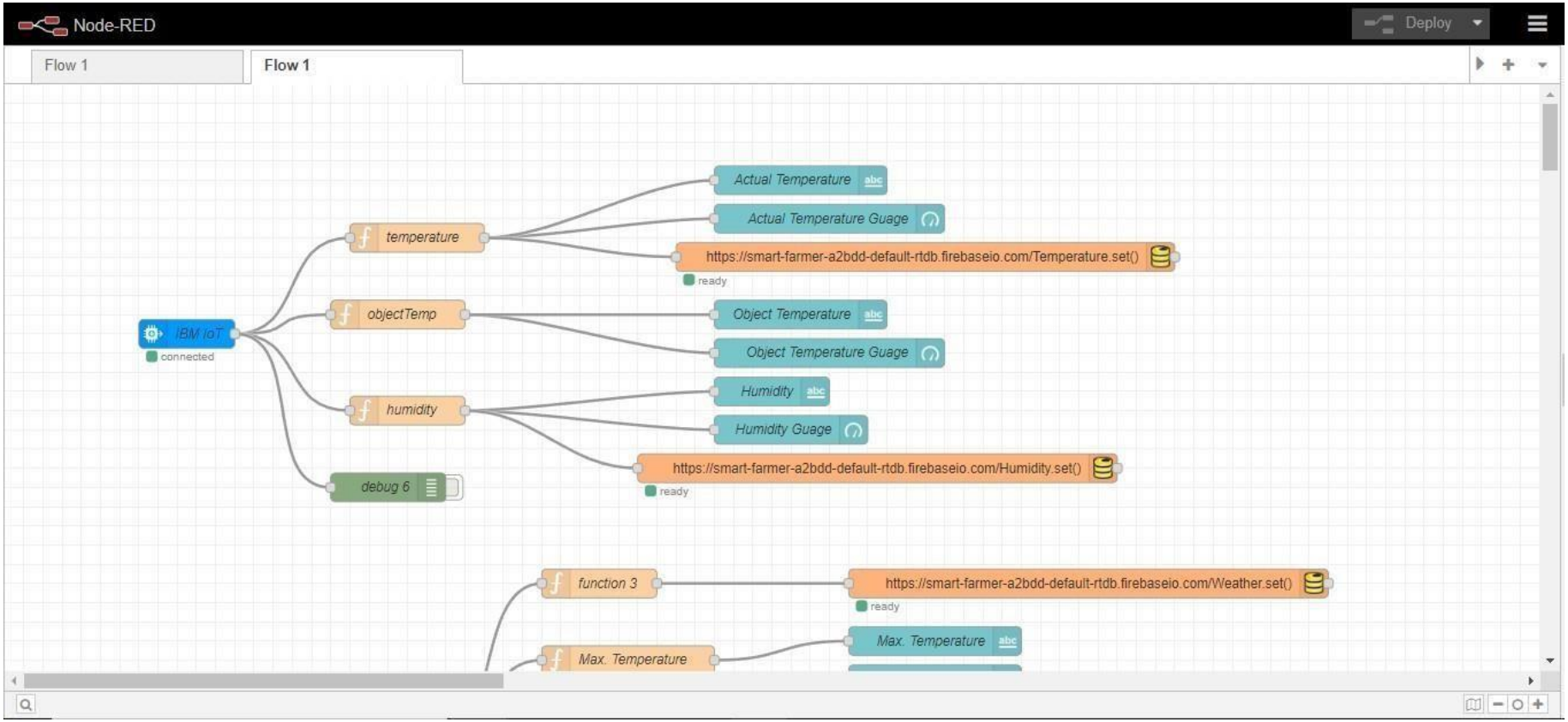


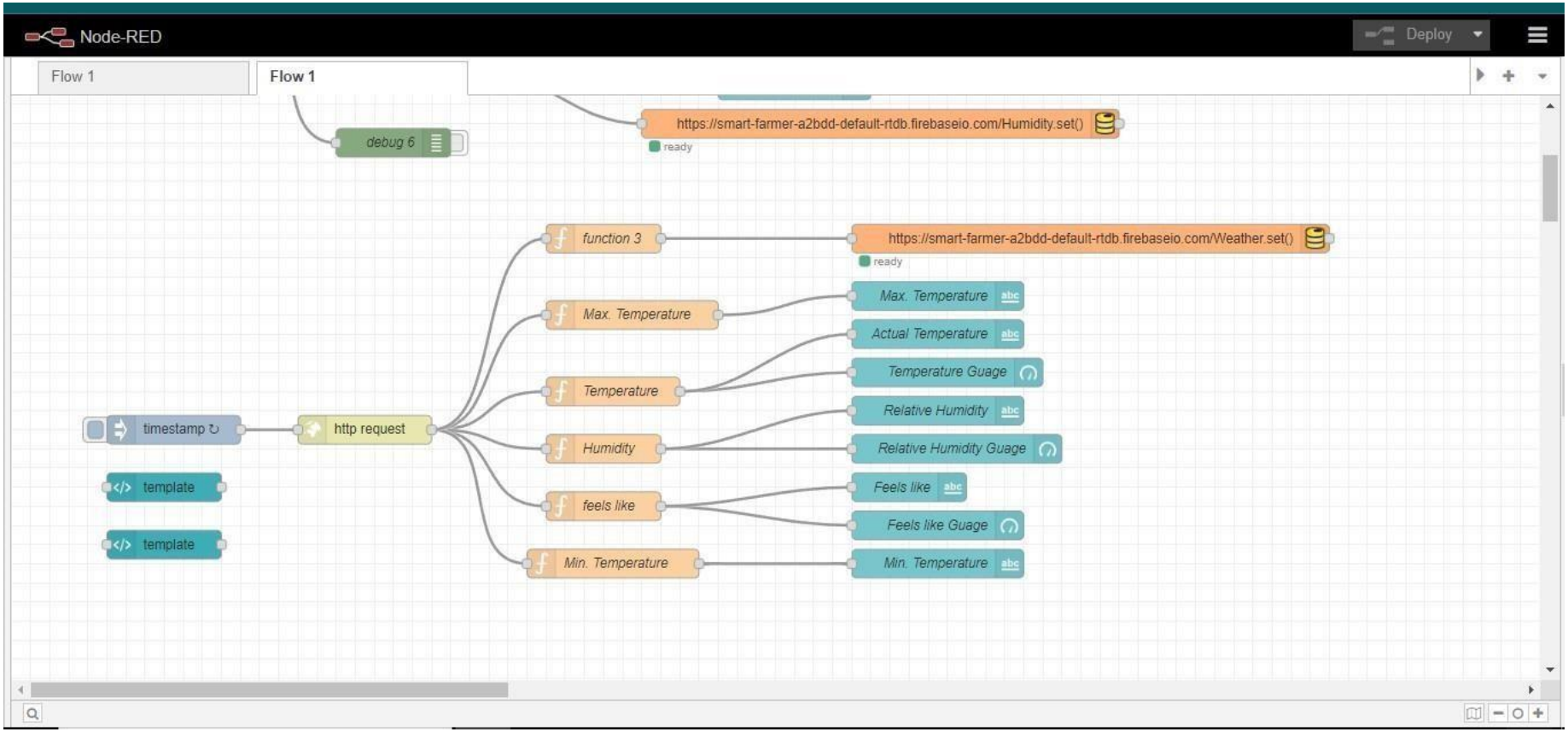


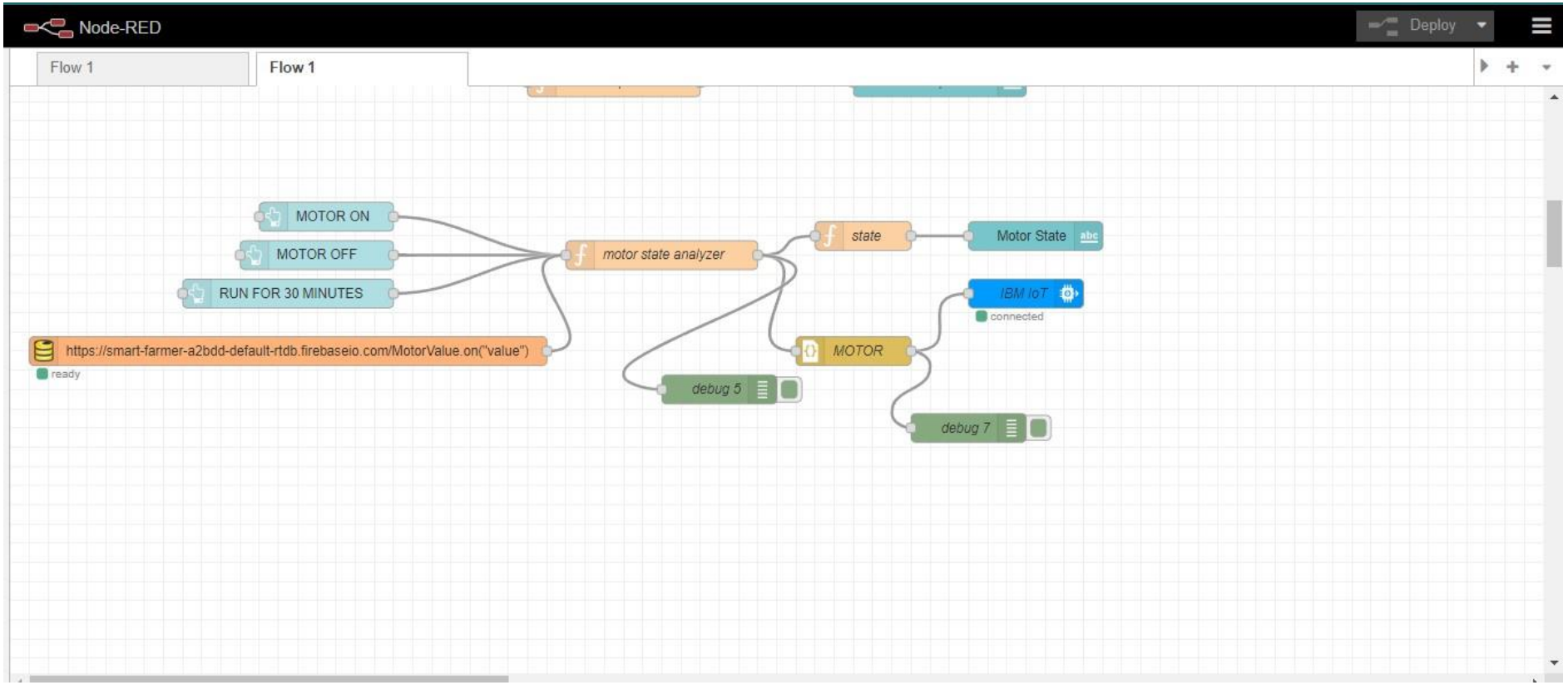

Home
Measured Data
Actual Temperature
0
Object Temperature
0
Actual Humidity
0
Actual Temperature(°C)
Humidity(%)
Object Temperature(°C)
Weather Forecasting Data
Temperature
26.99
Feels like
30
Relative Humidity
83
Max. Temperature(°C) 26.99
Min. Temperature(°C) 26.99
Actual Temperature(°C) 26.99
Feels like(%) 30.00
Relative Humidity(°C) 83.00



Node Red Connection:


Node-RED
Deploy
Flow 1
Flow 1
Actual Temperature
Actual Temperature Guage
temperature
https://smart-farmer-a2bdd-default-rtdb.firebaseio.com/Temperature.set()
ready
objectTemp
Object Temperature
Object Temperature Guage
IBM IoT
connected
humidity
Humidity
Humidity Guage
https://smart-farmer-a2bdd-default-rtdb.firebaseio.com/Humidity.set()
ready
debug 6
function 3
https://smart-farmer-a2bdd-default-rtdb.firebaseio.com/Weather.set()
ready
Max. Temperature
Max. Temperature


Node-RED
Deploy
Flow 1
Flow 1
debug 6
https://smart-farmer-a2bdd-default-rtdb.firebaseio.com/Humidity.set()
ready
function 3
https://smart-farmer-a2bdd-default-rtdb.firebaseio.com/Weather.set()
ready
Max. Temperature
Max. Temperature
Actual Temperature
Temperature
Temperature Guage
Relative Humidity
timestamp
http request
Humidity
Relative Humidity Guage
template
feels like
Feels like
Feels like Guage
template
Min. Temperature
Min. Temperature



Reports like Velocity Report, Burndown Report are attached below