IBM

# SPRINT 2 REPORT

SMARTFARMER – IOT
ENABLEDSMART FARMING
APPLICATION


**TEAM ID – PNT2022TMID17065**

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# 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 |

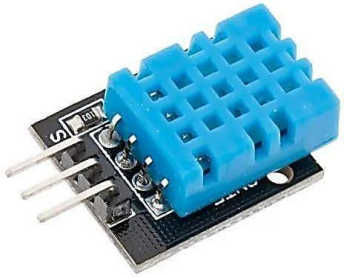
## WORKDONE IN DASHBOARD :

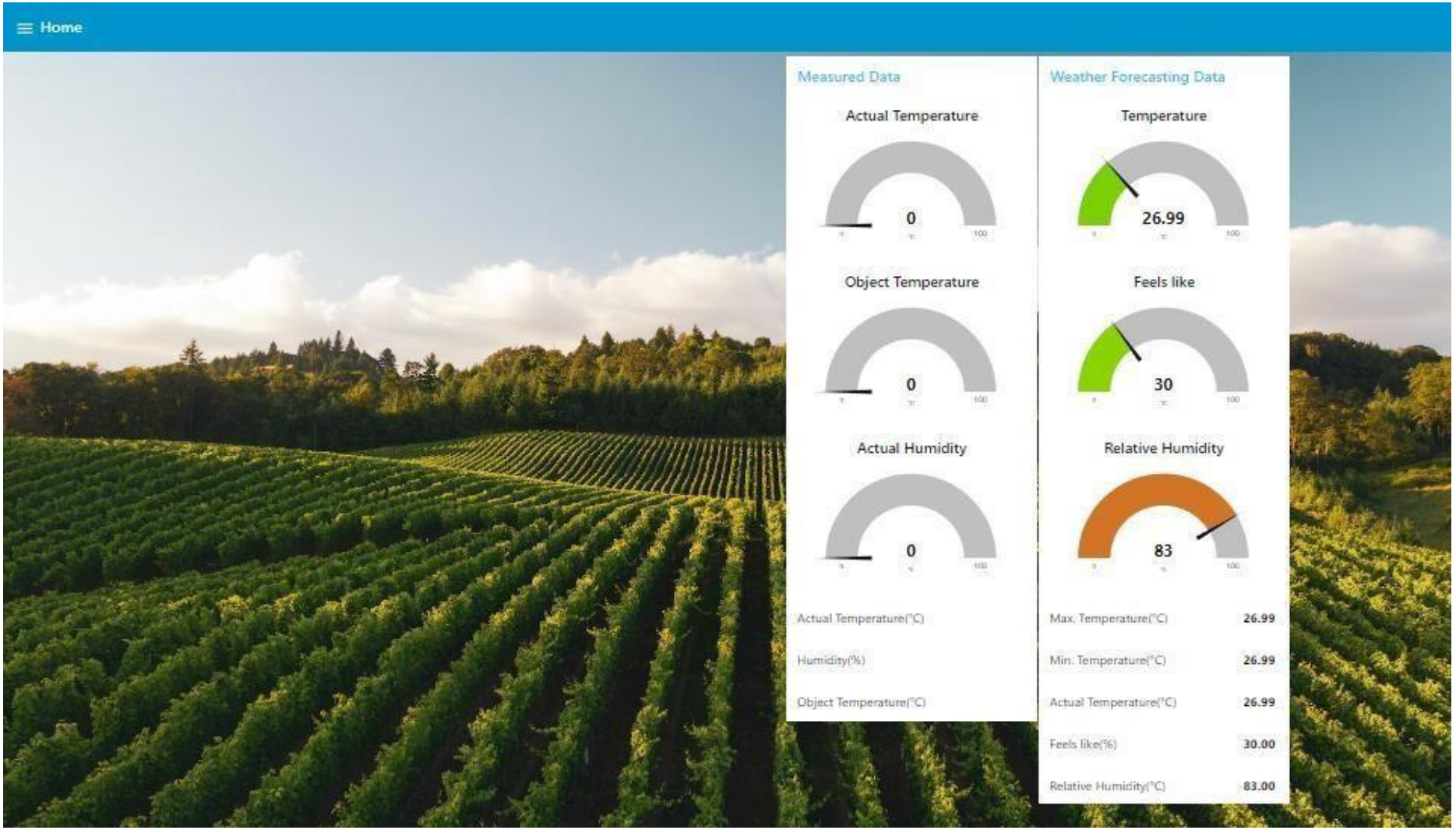
As per user stories, we created a dashboard with data is represented in graphical representation with organized section in separate widget for better user understanding.

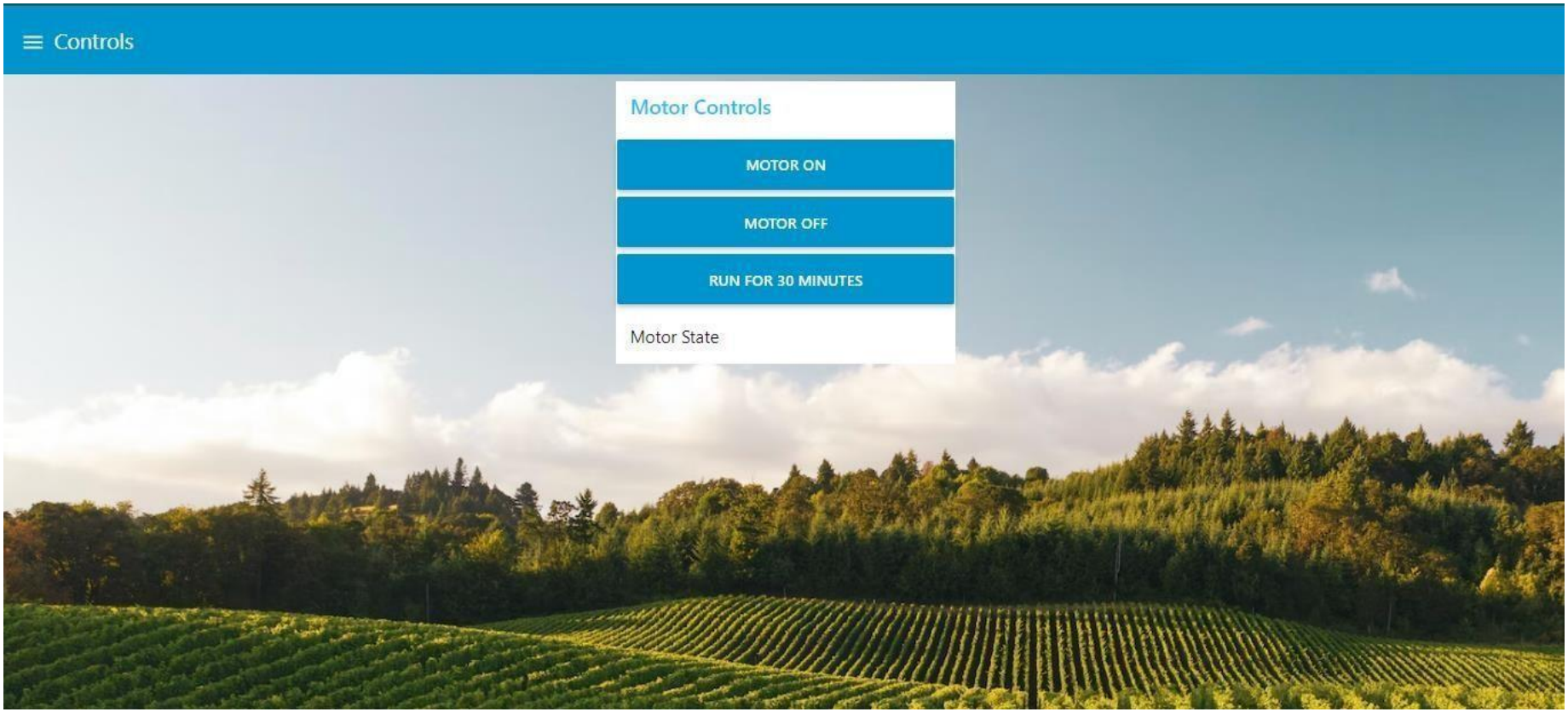
## DEVICES ESTIMATION :

- Temperature and Humidity Sensor
- Soil Moisture Sensor

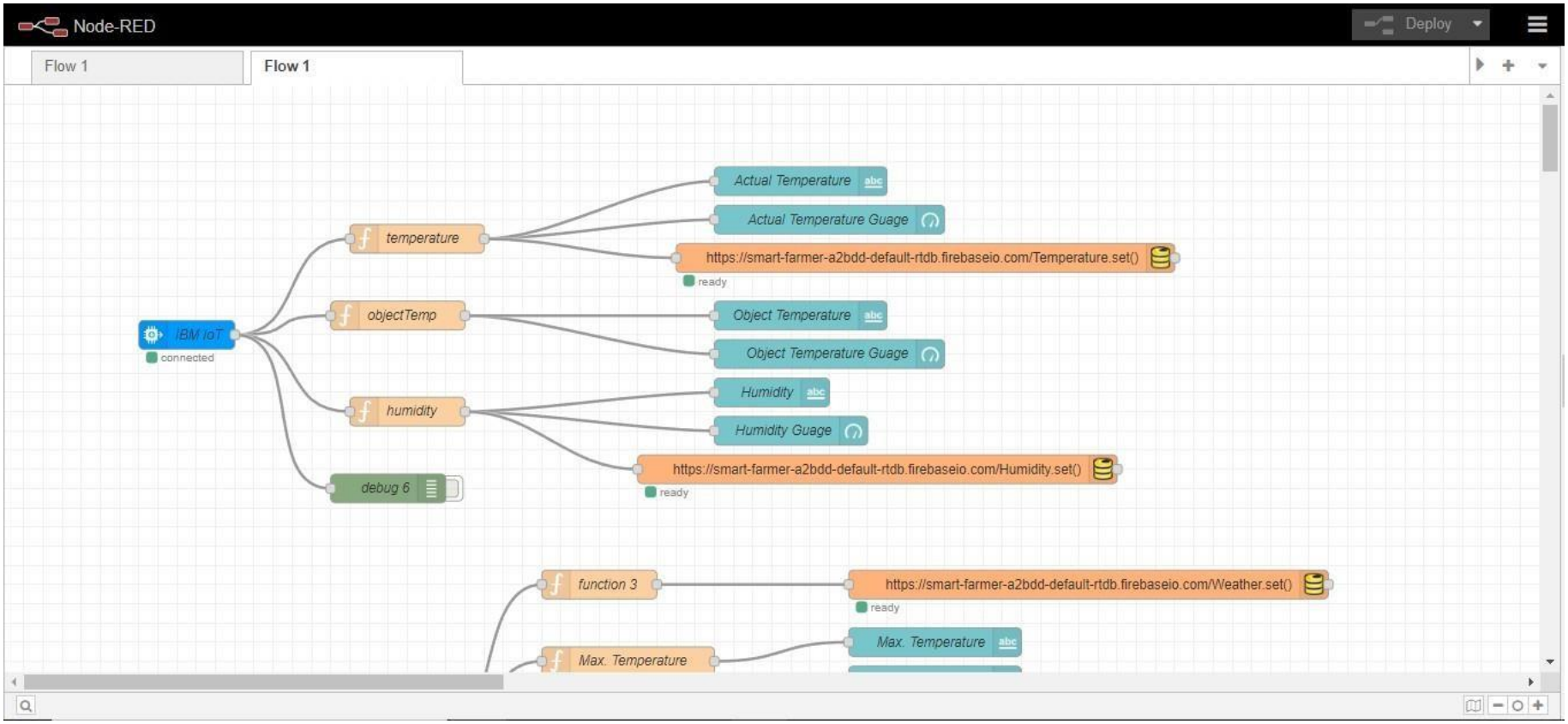
Above sensor are used for sensing some parameters.

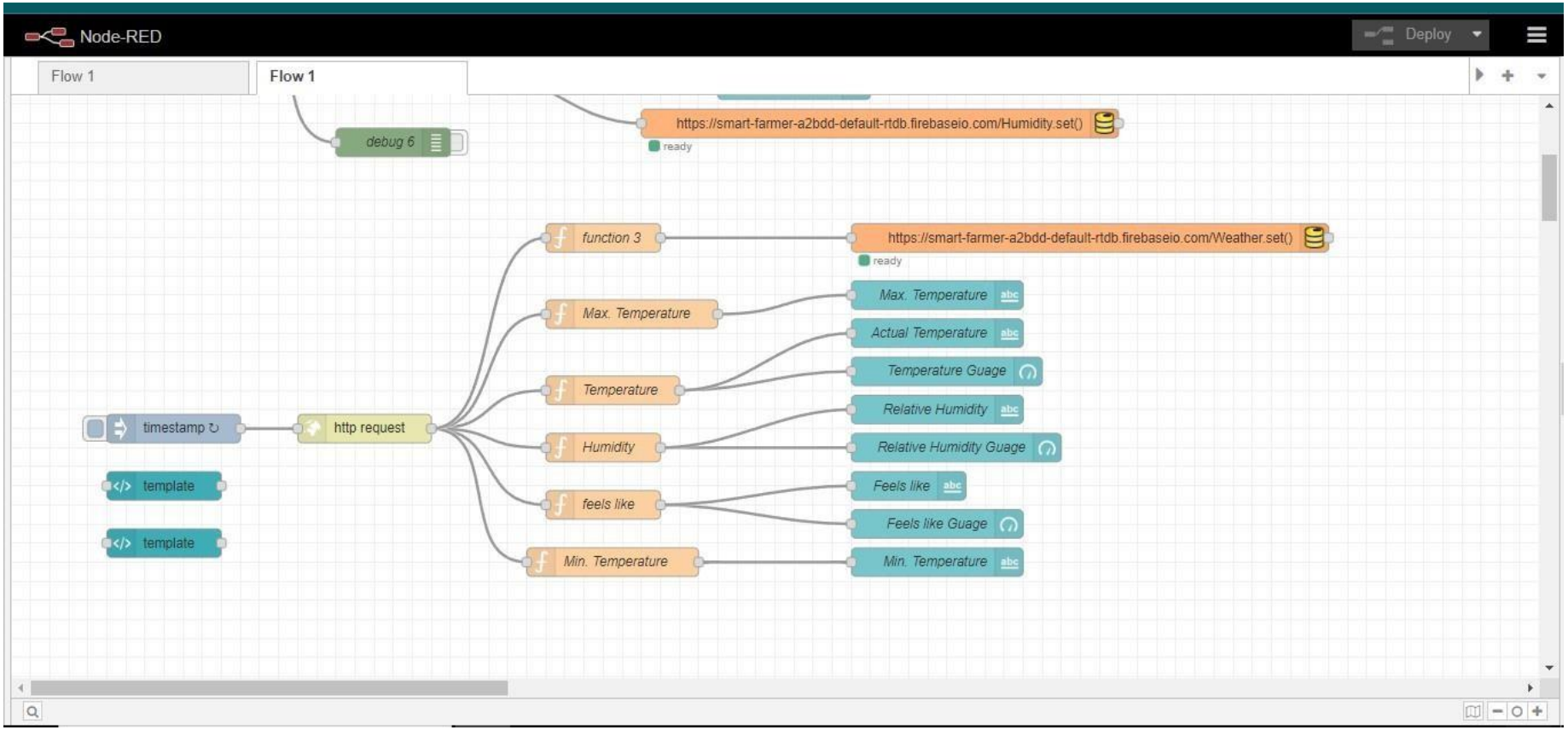


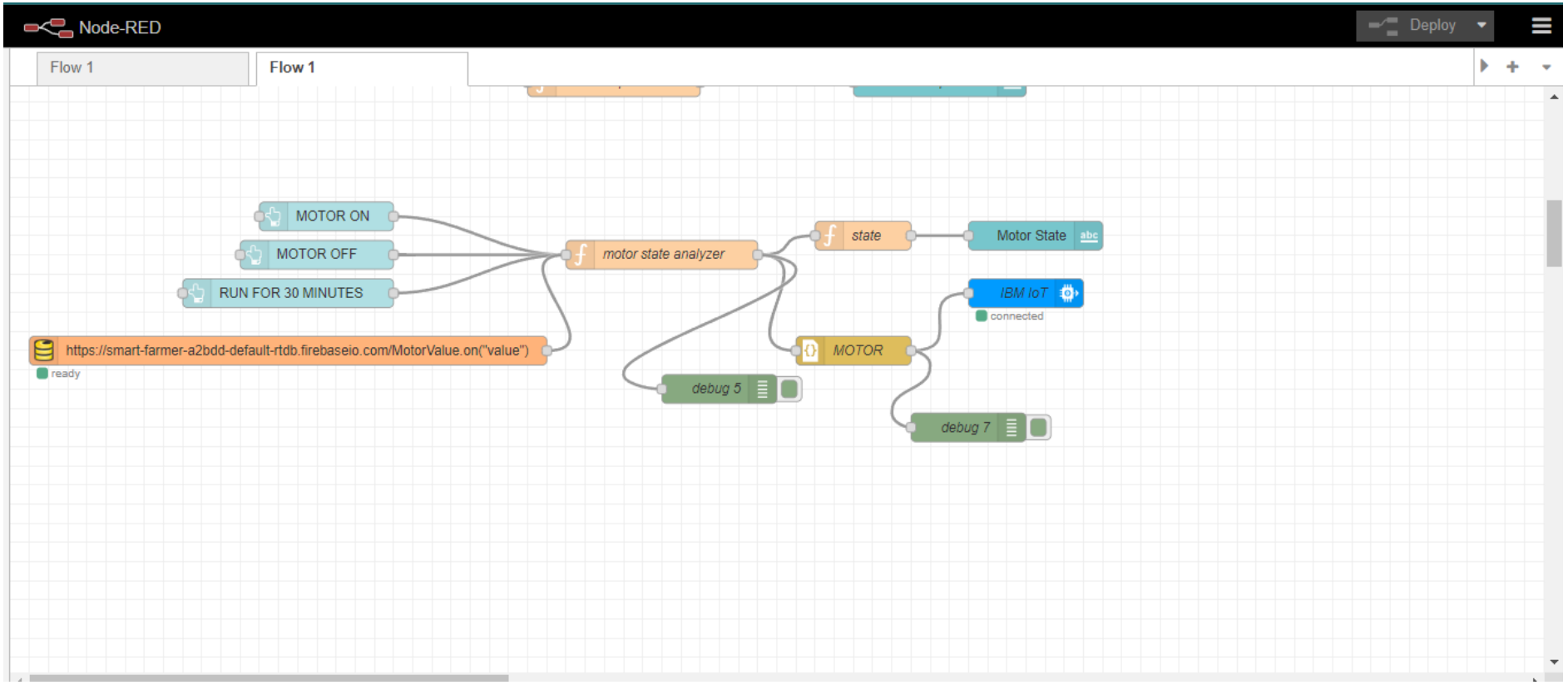

Home
Measured Data
Actual Temperature
0
Object Temperature
0
Actual Humidity
0
Actual Temperature(°C)
Humidity(%)
Object Temperature(°C)
Weather Forecasting Data
Temperature
26.99
Feels like
30
Relative Humidity
83
Max. Temperature(°C) 26.99
Min. Temperature(°C) 26.99
Actual Temperature(°C) 26.99
Feels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


Controls
Motor Controls
MOTOR ON
MOTOR OFF
RUN FOR 30 MINUTES
Motor State

# Node Red Connection:




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