- SPRINT 2 REPORT
- SMARTFARMER – IoT ENABLED SMART FARMING APPLICAION

TEAM ID – PNT2022TMID22142

- **TEAM LEADER : NAVEEN V M**
- **TEAM MEMBER : GHAJENDHIRAN J**
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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

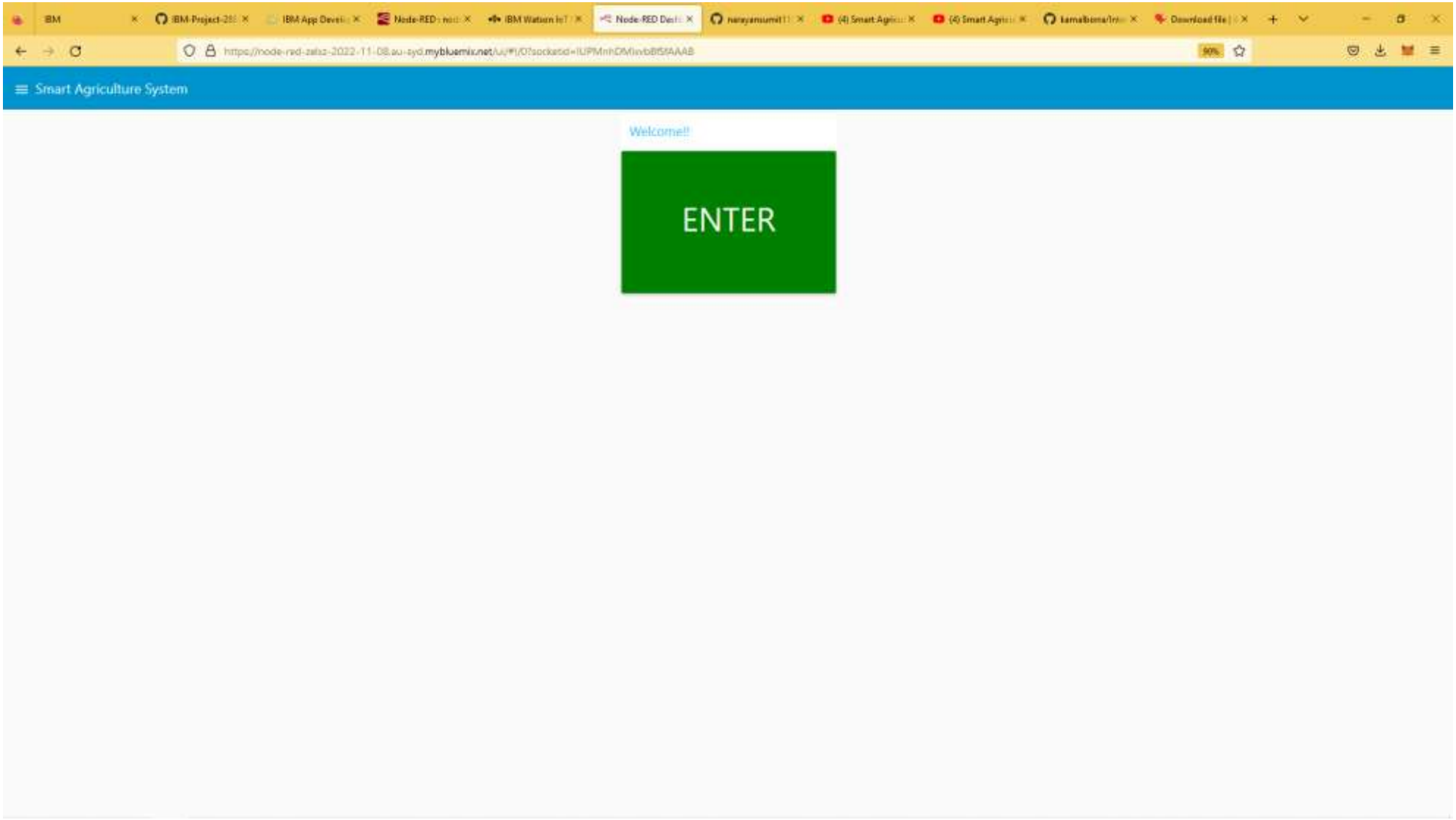
WORKDONE IN DASHBOARD :

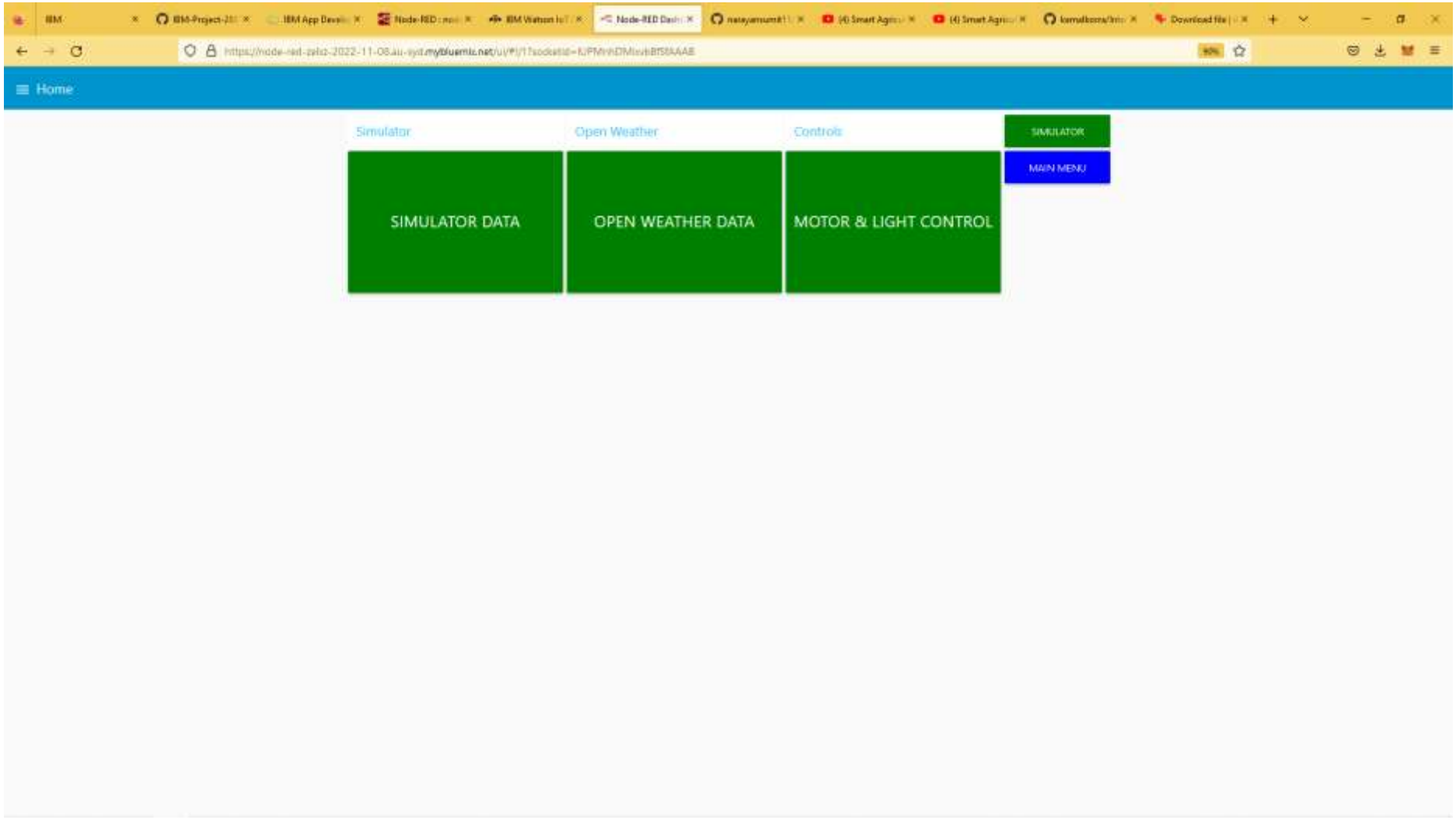
As per user stories, we created a dashboard with data is represented in graphical representation with organized section in separate widget for better user understanding.

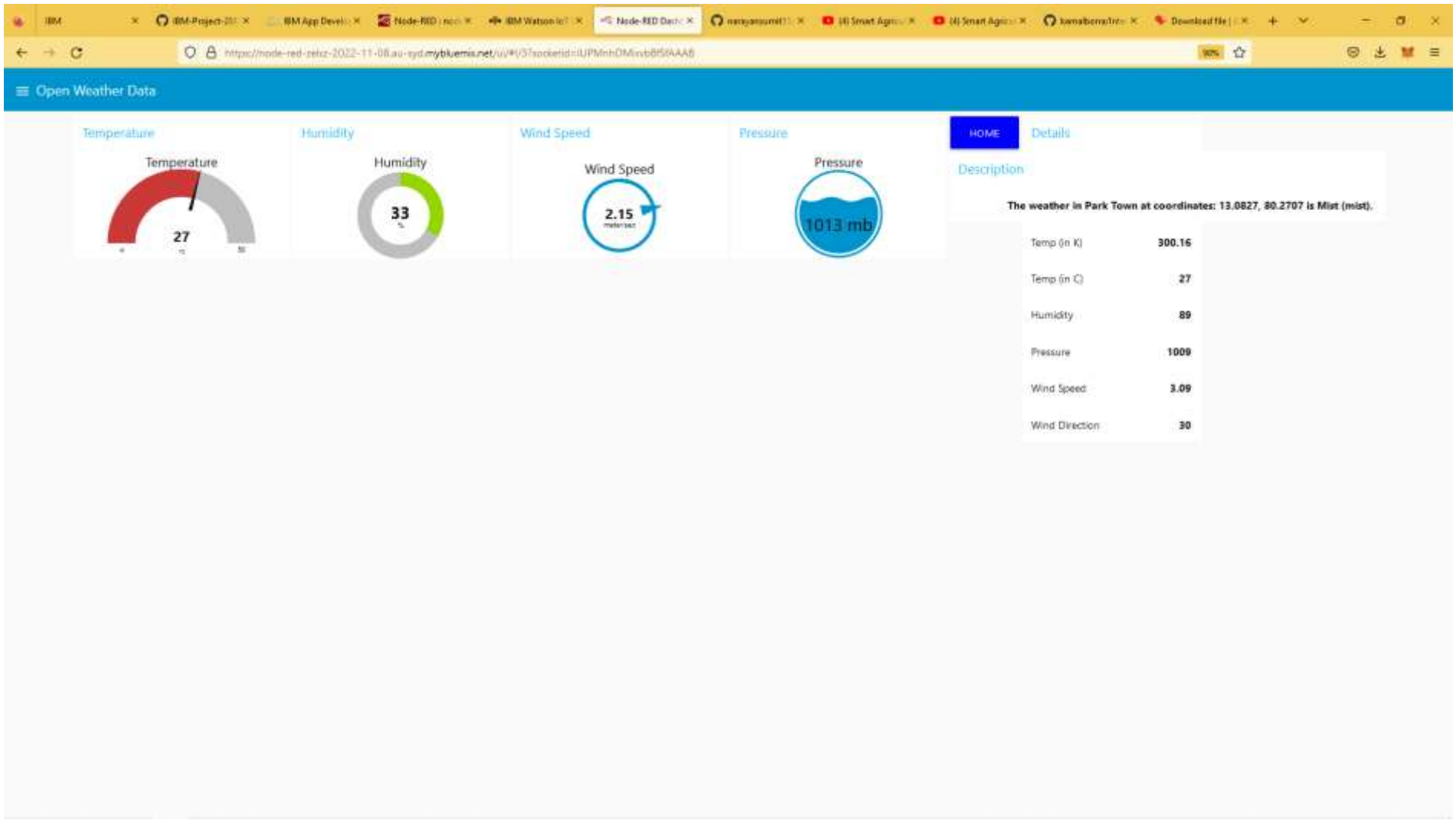
DEVICES :

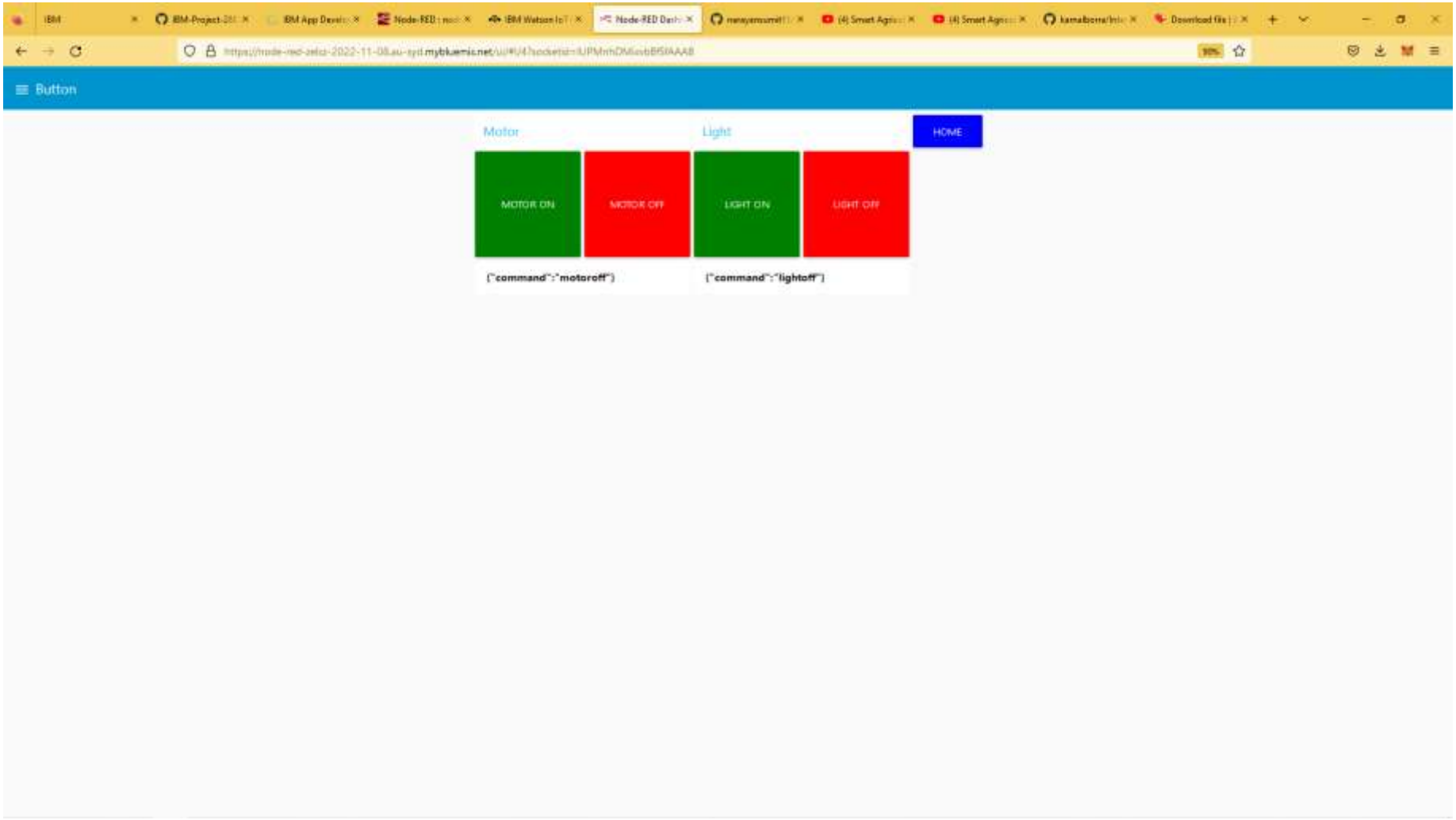
- Temperature and Humidity Sensor
- Soil Moisture Sensor

Above sensor are used for sensing some parameters.

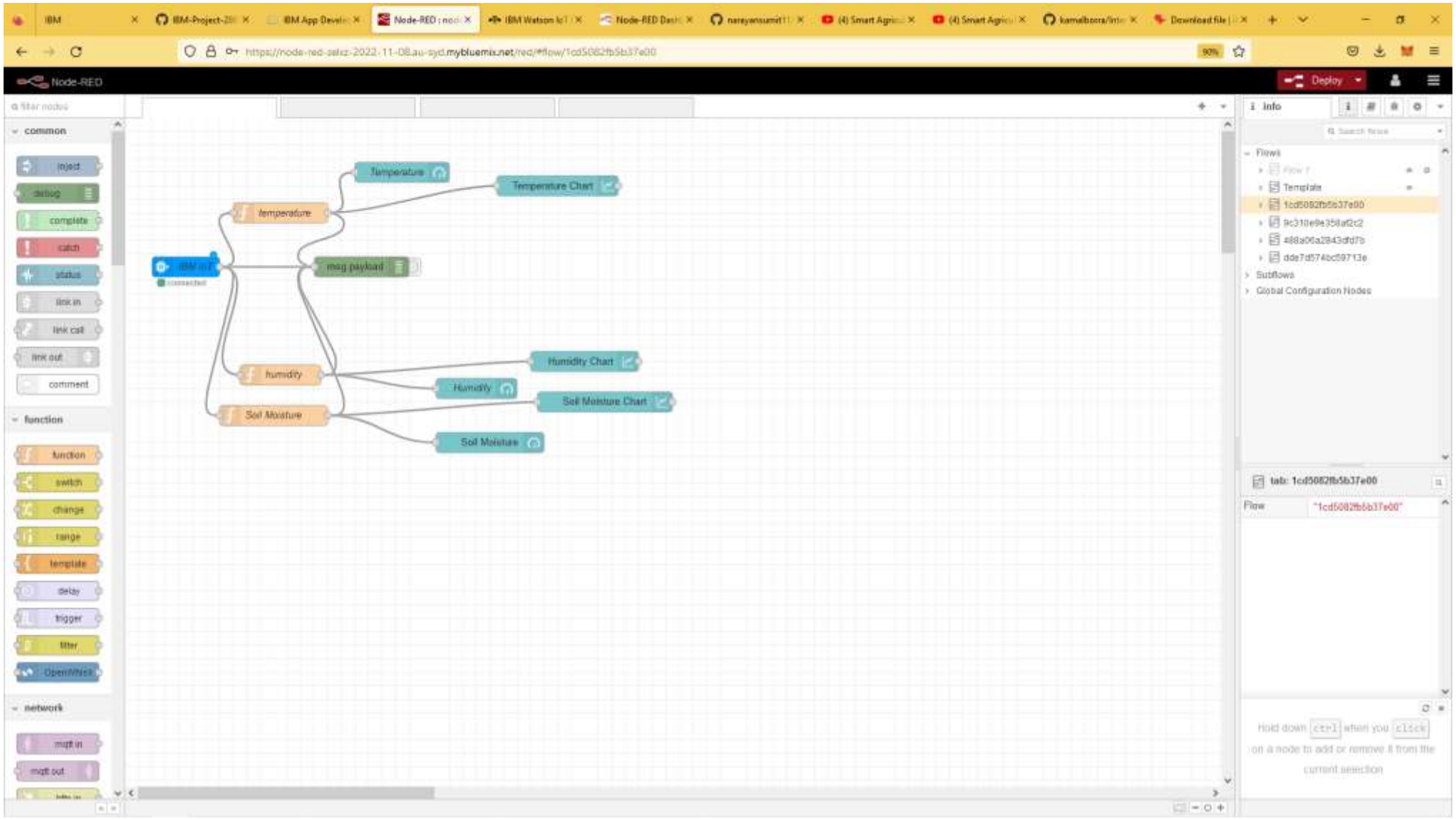

Smart Agriculture System
Welcome!!
ENTER

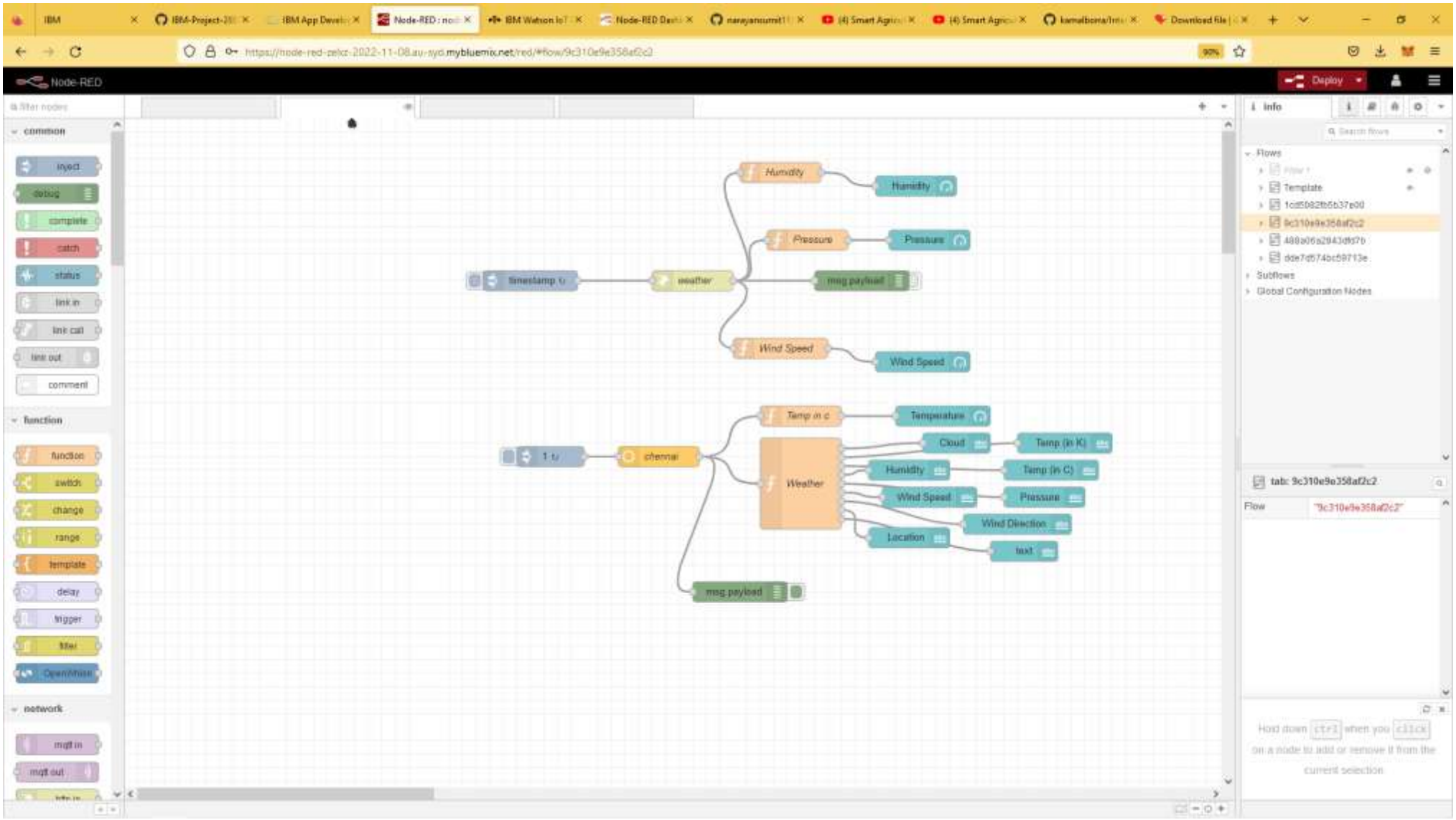

Home
Simulator
Open Weather
Controls
SIMULATOR
MAIN MENU
SIMULATOR DATA
OPEN WEATHER DATA
MOTOR & LIGHT CONTROL

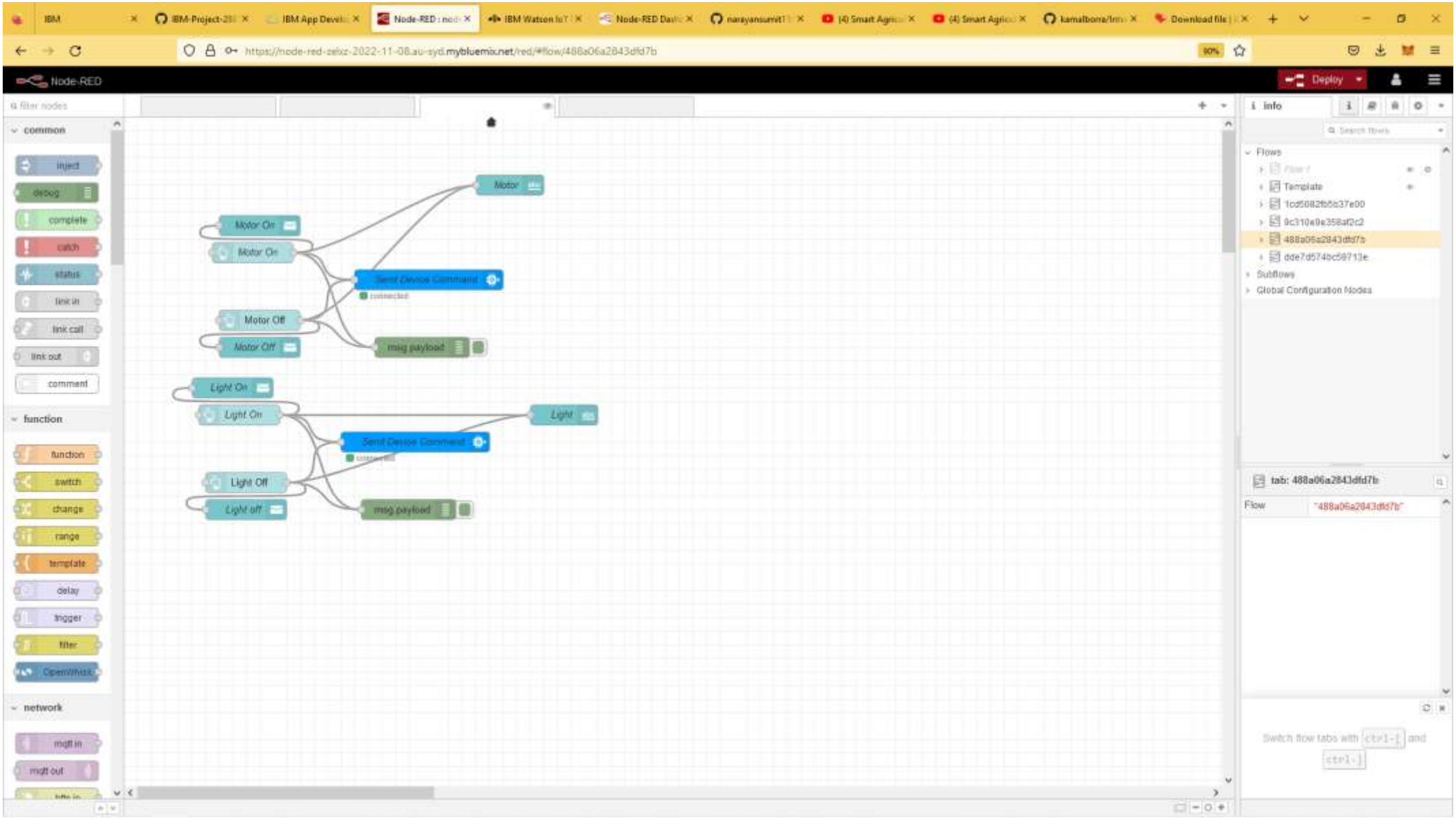

Open Weather Data
Temperature
Temperature
27
Humidity
Humidity
33
Wind Speed
Wind Speed
2.15
Pressure
Pressure
1013 mb
HOME
Details
Description
The weather in Park Town at coordinates: 13.0827, 80.2707 is Mist (mist).
Temp (in K) 300.16
Temp (in C) 27
Humidity 89
Pressure 1009
Wind Speed 3.09
Wind Direction 30

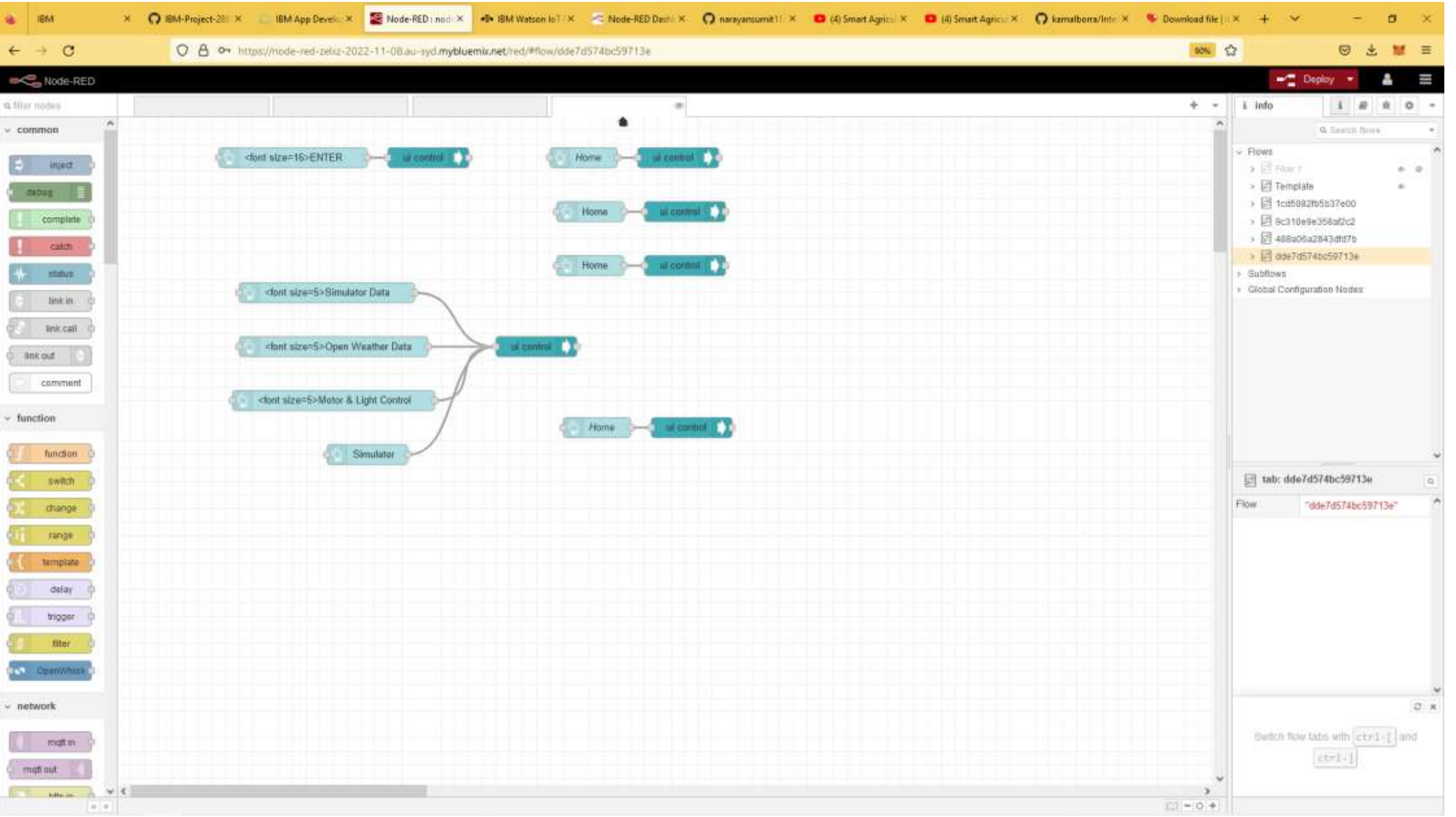

Button
Motor
Light
HOME
MOTOR ON
MOTOR OFF
LIGHT ON
LIGHT OFF
{"command":"motoroff"}
{"command":"lightoff"}

Node Red Connection:




Node-RED
Deploy
Humidity
Humidity
Pressure
Pressure
timestamp
weather
msg.payload
Wind Speed
Wind Speed
1
chennai
Temp in c
Temperature
Cloud
Temp (in K)
Humidity
Temp (in C)
Weather
Wind Speed
Pressure
Wind Direction
Location
text
msg.payload
info
Flows
Template
Subflows
Global Configuration Nodes
tab: 9c310e9e358af2c2
Flow
"9c310e9e358af2c2"


Node-RED
Deploy
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
template
delay
trigger
filter
network
mqtt in
mqtt out
Motor
Motor On
Motor On
Send Device Command
connected
Motor Off
Motor Off
msg.payload
Light On
Light On
Light
Send Device Command
Light Off
Light off
msg.payload
info
Flows
Template
Subflows
Global Configuration Nodes
tab: 488a06a2843dfd7b
Flow
"488a06a2843dfd7b"


IBM
IBM-Project-28
IBM App Develo
Node-RED : node
IBM Watson IoT
Node-RED Dash
narayansumit1
(4) Smart Agricu
(4) Smart Agricu
kamalborra/Inte
Download file |
https://node-red-zelxz-2022-11-08.au-syd.mybluemix.net/red/#flow/dde7d574bc59713e
90%
Node-RED
Deploy
filter nodes
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
template
delay
trigger
filter
OpenWhisk
network
mqtt in
mqtt out
<font size=16>ENTER
ui control
Home
ui control
Home
ui control
Home
ui control
<font size=5>Simulator Data
<font size=5>Open Weather Data
<font size=5>Motor & Light Control
ui control
Simulator
Home
ui control
info
Search flows
Flows
Flow 1
Template
1cd5082fb5b37e00
6c310e9e358af2c2
488a06a2843dfd7b
dde7d574bc59713e
Subflows
Global Configuration Nodes
tab: dde7d574bc59713e
Flow
"dde7d574bc59713e"
Switch flow tabs with ctrl-[and ctrl-]