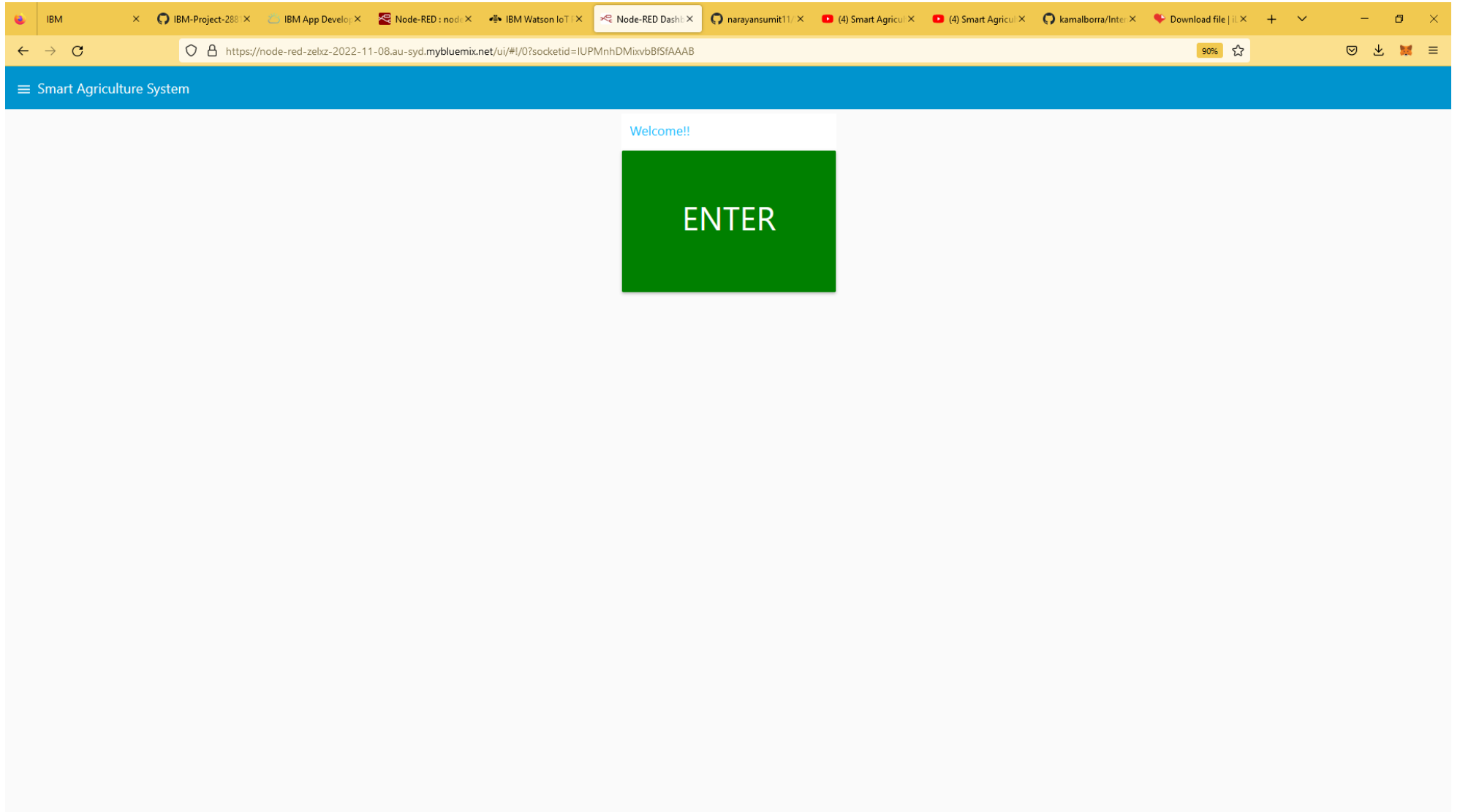
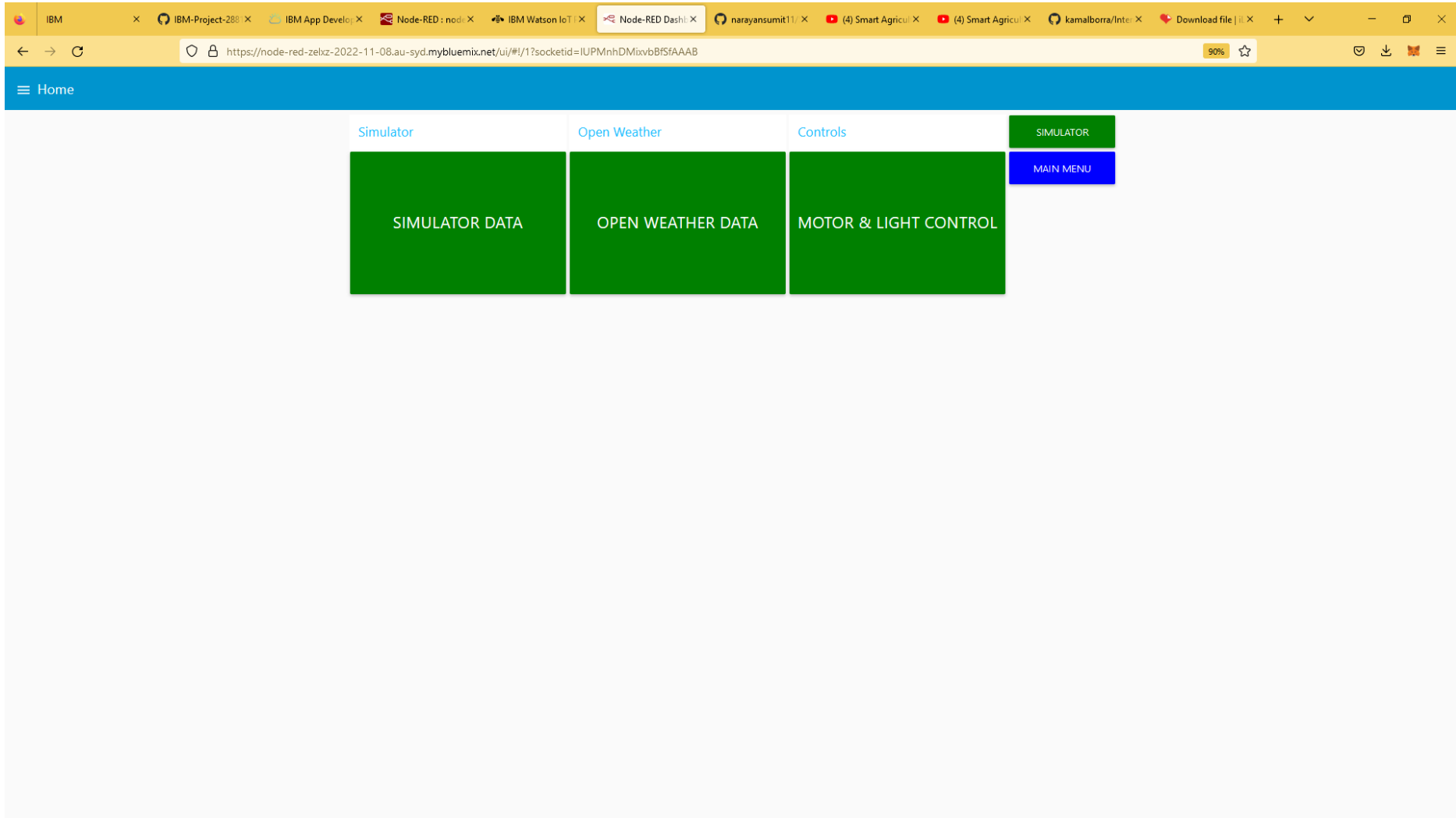


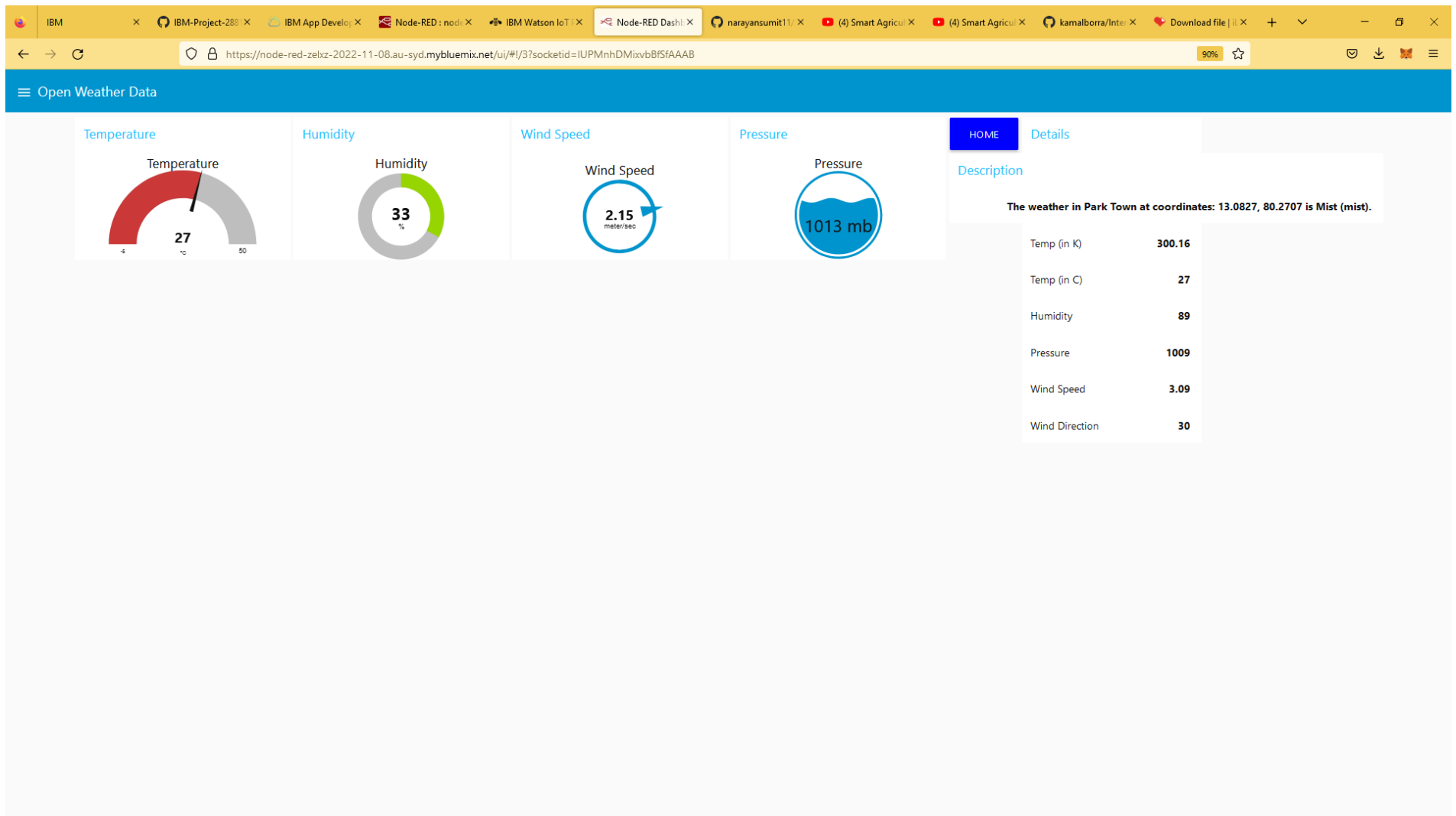
- ▶ SMARTFARMER – IoT ENABLED SMART FARMING APPLICATION
- ▶ Build a web application using Node-RED service

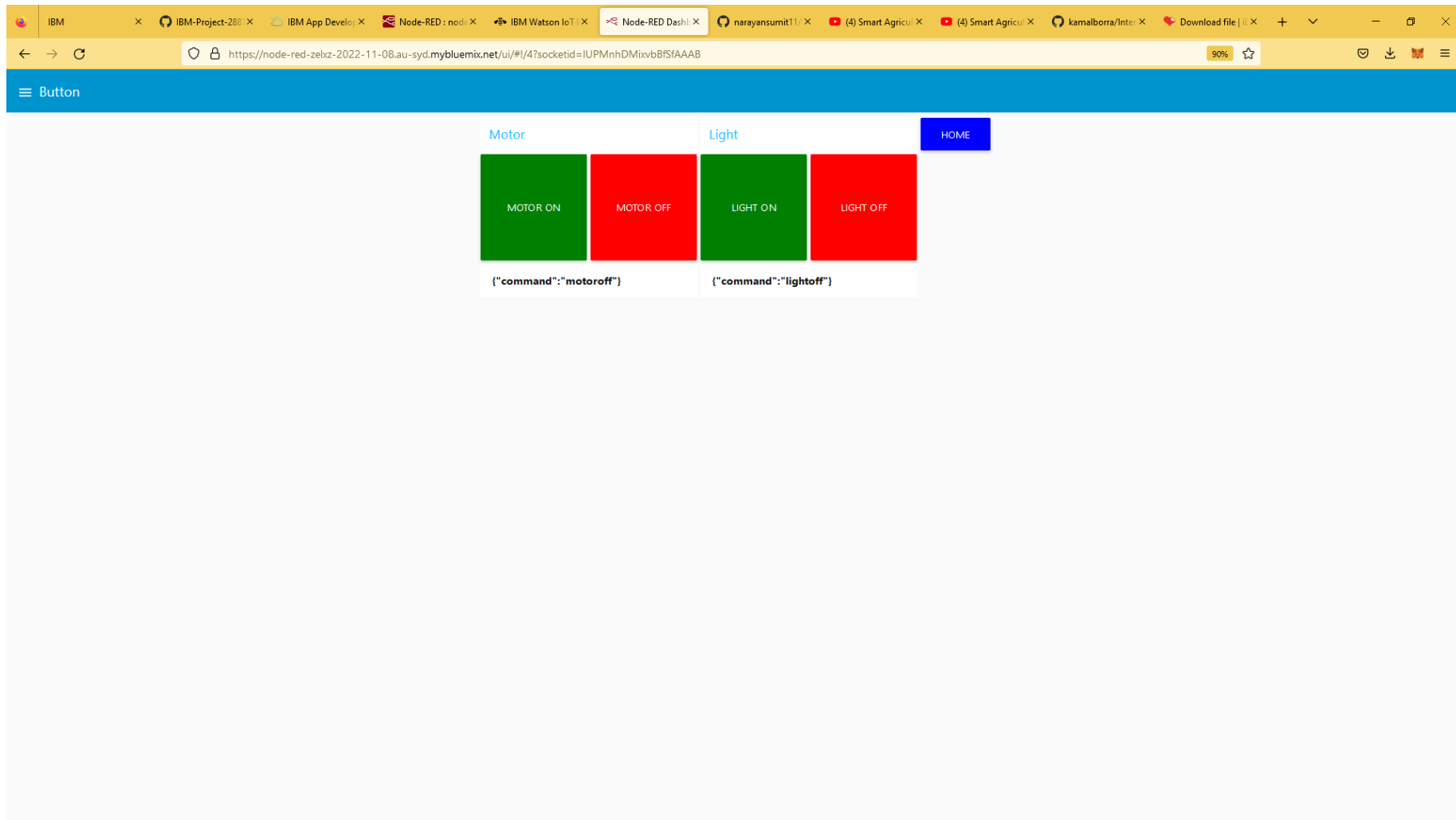
TEAM ID – PNT2022TMID22142

- TEAM LEADER : NAVEEN V M
- TEAM MEMBER : GHAJENDHIRAN J
- TEAM MEMBER : GANESA MOORTHY M
- TEAM MEMBER : Koushik P H

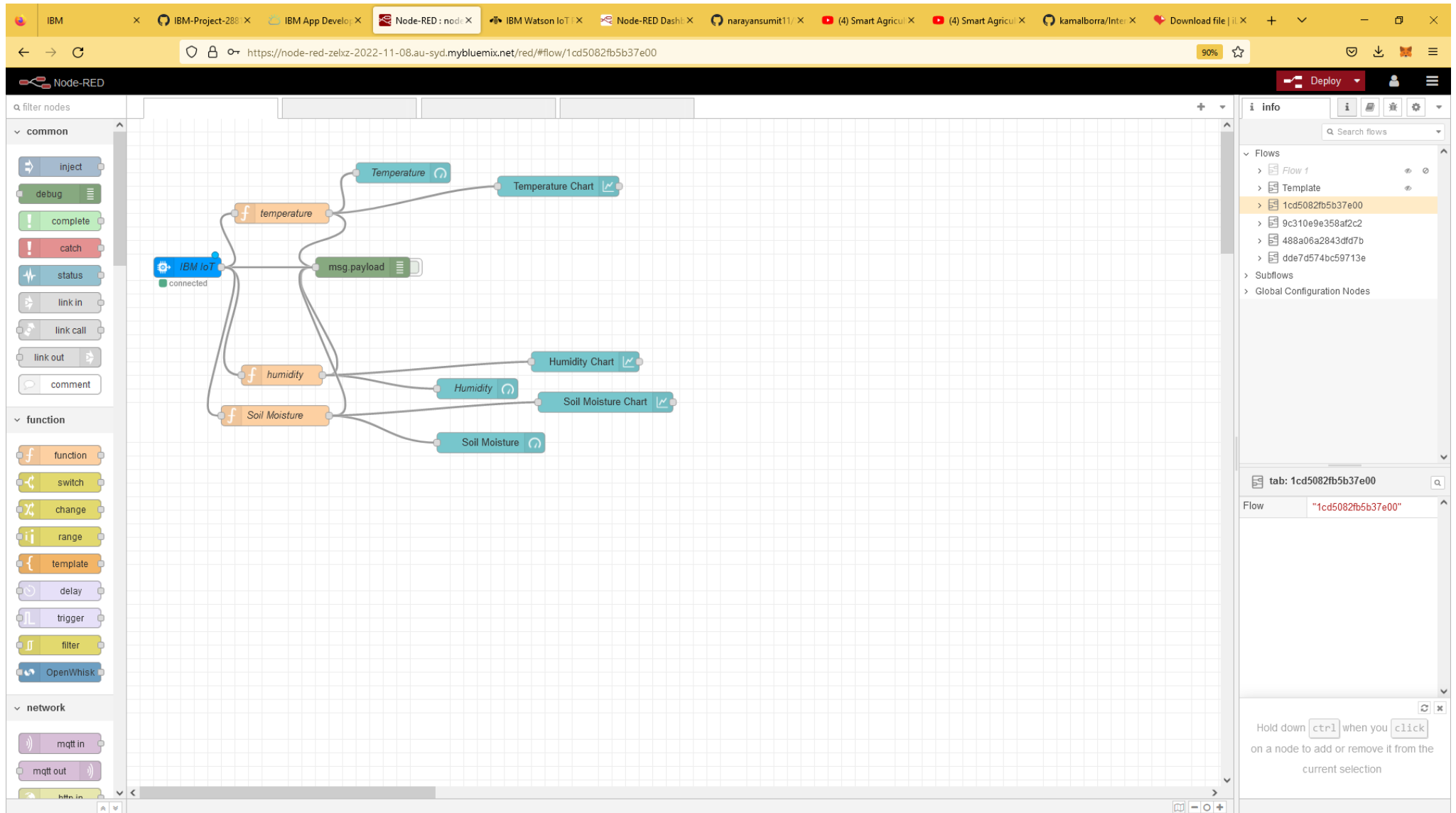








Node Red Connection:



IBM

IBM-Project-288

IBM App Developer

Node-RED: node

IBM Watson IoT

Node-RED Dash

narayansumit11

(4) Smart Agricul

(4) Smart Agricul

kamalborra/Inter

Download file |

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https://node-red-zelxz-2022-11-08.au-syd.mybluemix.net/red/#flow/9c310e9e358af2c2

90%

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☰

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

http in

timestamp

weather

Humidity

Pressure

Wind Speed

Temp in c

Weather

chennai

1

msg.payload

Humidity

Pressure

Wind Speed

Temperature

Cloud

Humidity

Wind Speed

Location

Temp (in K)

Temp (in C)

Pressure

Wind Direction

text

msg.payload

info

Search flows

Flows

Flow 1

Template

1cd5082fb5b37e00

9c310e9e358af2c2

488a06a2843dfd7b

dde7d574bc59713e

Subflows

Global Configuration Nodes

tab: 9c310e9e358af2c2

Flow

9c310e9e358af2c2

Hold down ctrl when you click on a node to add or remove it from the current selection

IBM Project-288 IBM App Develop Node-RED: node IBM Watson IoT Node-RED Dash narayansumit1 (4) Smart Agricul (4) Smart Agricul kamalborra/Inter Download file | il

https://node-red-zelxz-2022-11-08.au-syd.mybluemix.net/red/#flow/488a06a2843dfd7b 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
- http in

Motor On

Motor Off

Light On

Light Off

Motor abc

Light abc

Send Device Command

msg payload

tab: 488a06a2843dfd7b

Flow "488a06a2843dfd7b"

Switch flow tabs with ctrl-[and ctrl-]

The screenshot displays the Node-RED web interface in a browser. The top navigation bar shows the URL: <https://node-red-zelxz-2022-11-08.au-syd.mybluemix.net/red/#flow/dde7d574bc59713e>. The interface is divided into several sections:

- Left Sidebar:** Contains a search bar and two main categories:
 - common:** Includes nodes like inject, debug, complete, catch, status, link in, link call, link out, and comment.
 - function:** Includes nodes like function, switch, change, range, template, delay, trigger, filter, and OpenWhisk.
 - network:** Includes nodes like mqtt in, mqtt out, and http in.
- Main Canvas:** Displays a flow diagram with the following components:
 - A top row with a button labeled "ENTER" connected to a "ui control" node.
 - A middle section with three buttons: "Simulator Data", "Open Weather Data", and "Motor & Light Control". These are connected to a central "ui control" node.
 - A bottom row with a button labeled "Simulator" connected to the same central "ui control" node.
 - On the right side, there are three "Home" buttons, each connected to its own "ui control" node.
- Right Panel:** Contains an "info" section and a "flows" section.
 - The "info" section shows details about the selected flow.
 - The "flows" section lists several flows, with the current flow "dde7d574bc59713e" highlighted.