

SPRINT-2

Team ID	PNT2022TMID42646
<u>Project Name</u>	Smart farmer - IoT Enabled smart farming application.

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		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

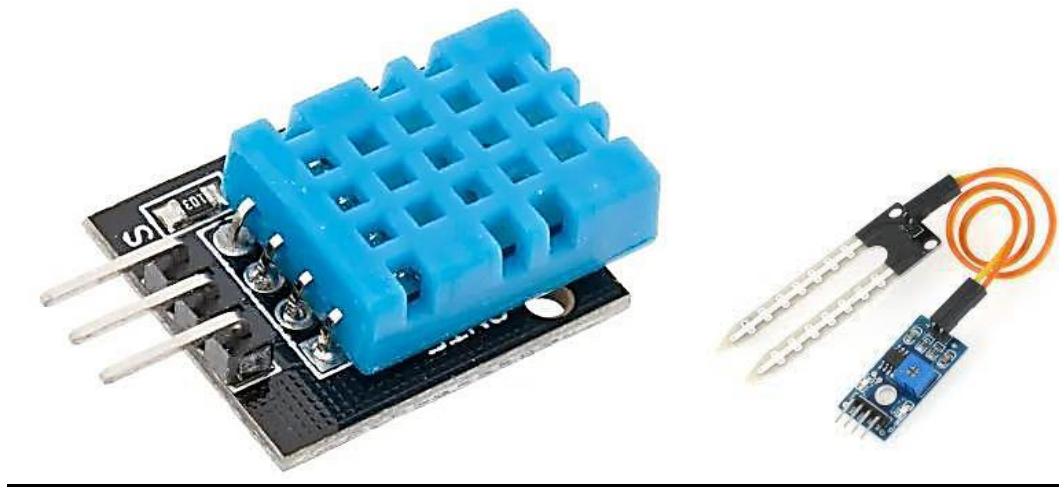
Workdone In Dashboard

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.

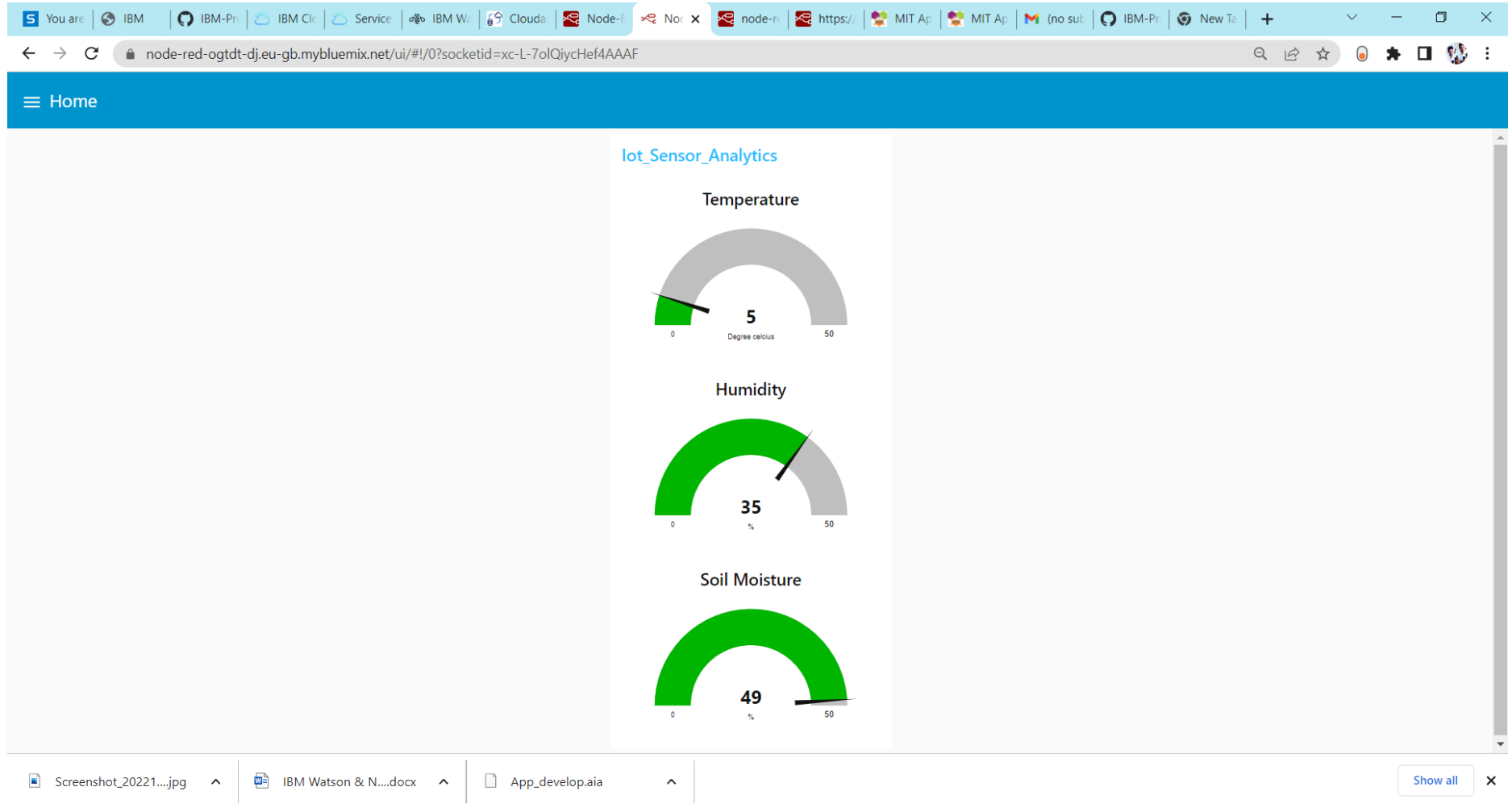
Devices Estimation

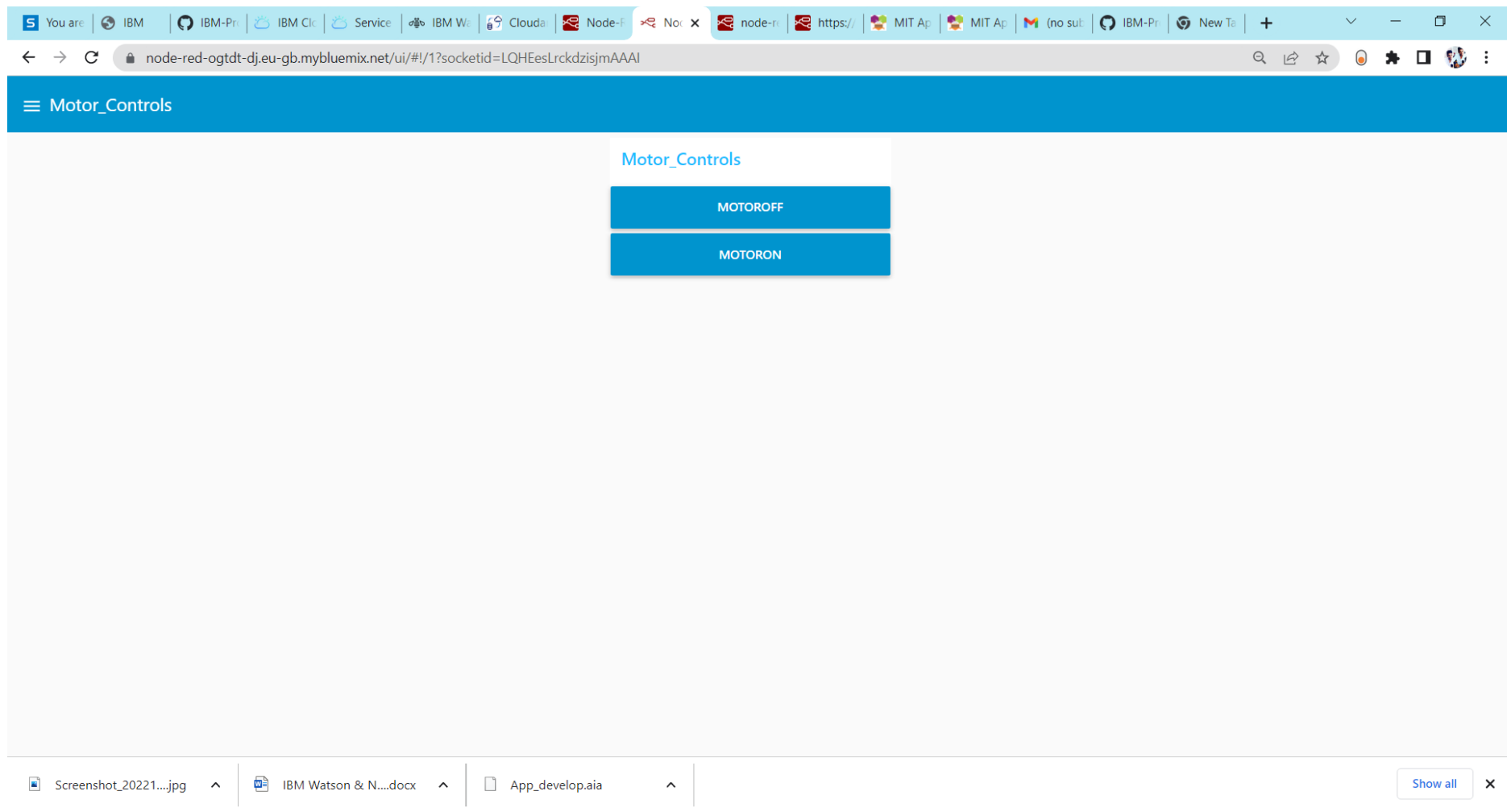
1. Temperature and Humidity Sensor
2. Soil Moisture Sensor

Above sensor are used for sensing some parameters.



Web UI Dashboard





Node Red Connection

The screenshot displays the Node-RED web interface in a browser. The address bar shows the URL: `node-red-ogtdt-dj.eu-gb.mybluemix.net/red/#flow/4787e0dd9ea62e2b`. The interface is divided into several sections:

- Left Panel (filter nodes):** Contains a search bar and two categories of nodes:
 - common:** inject, debug, complete, catch, status, link in, link call, link out, comment.
 - function:** function, switch, change, range, template.
- Flow Editor:** Shows three flows.
 - Flow 2:** Starts with a `smartfarmer_db` node, which connects to three function nodes labeled `Temperature`, `Humidity`, and `Soil Moisture`. Each function node is connected to a corresponding output node (Temperature, Humidity, Soil Moisture).
 - Flow 1:** Contains a `MotorON` node connected to a `msg_payload` node, and a `MotorOFF` node connected to an `IBM IoT` node.
 - Flow 3:** Contains a `[get]/control` node connected to a `function` node, which is connected to an `http` node. Below it, a `[get]/data` node is connected to another `function` node, which is connected to an `http` node. At the bottom, an `inject` node is connected to a `smartfarmer_db` node, which is connected to a `msg_payload` node.
- Right Panel (debug):** Shows a list of messages. The first message is a red error: `"JSON Message expected"`. Subsequent messages are `msg_payload` objects with a `string[7]` payload, each containing the text `"motoron"`.

The bottom of the browser window shows a taskbar with open files: `Screenshot_2021...jpg`, `IBM Watson & N....docx`, and `App_developa.aia`. A `Show all` button is visible on the right.