

SPRINT 4

Date	16 November 2022
Team ID	PNT2022TMID53961
Project Name	Project – Smart Farmer-IoT Enabled smart Farming Application

CONFIGURATION OF NODE-RED TO SEND COMMANDS TO IBM CLOUD

Here we add

two buttons

in UI 1 ->

for motor on

2 -> for motor off

We used a function node to analyse the data received

and assign command to each number. The JavaScript

code for the analysis is: `if(msg.payload===1)`

`msg.payload={"comm and": "ON"}; else`

`if(msg.payload===0) msg.payload={"comm`

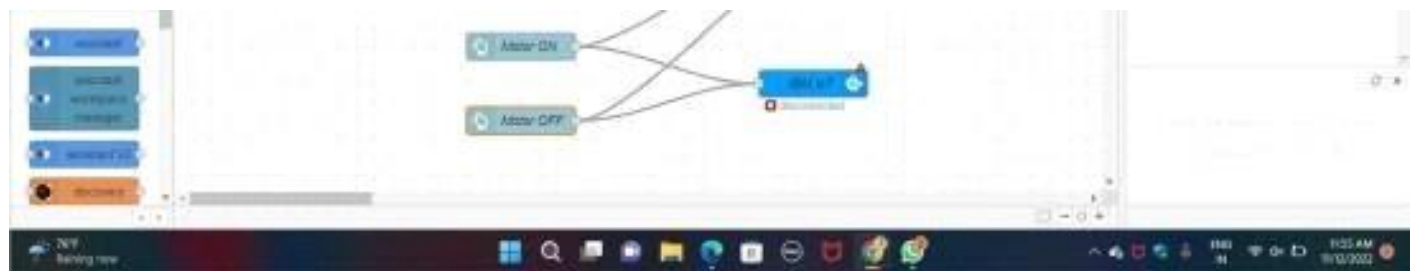
`and": "OFF"};`

Adjusting User Interface

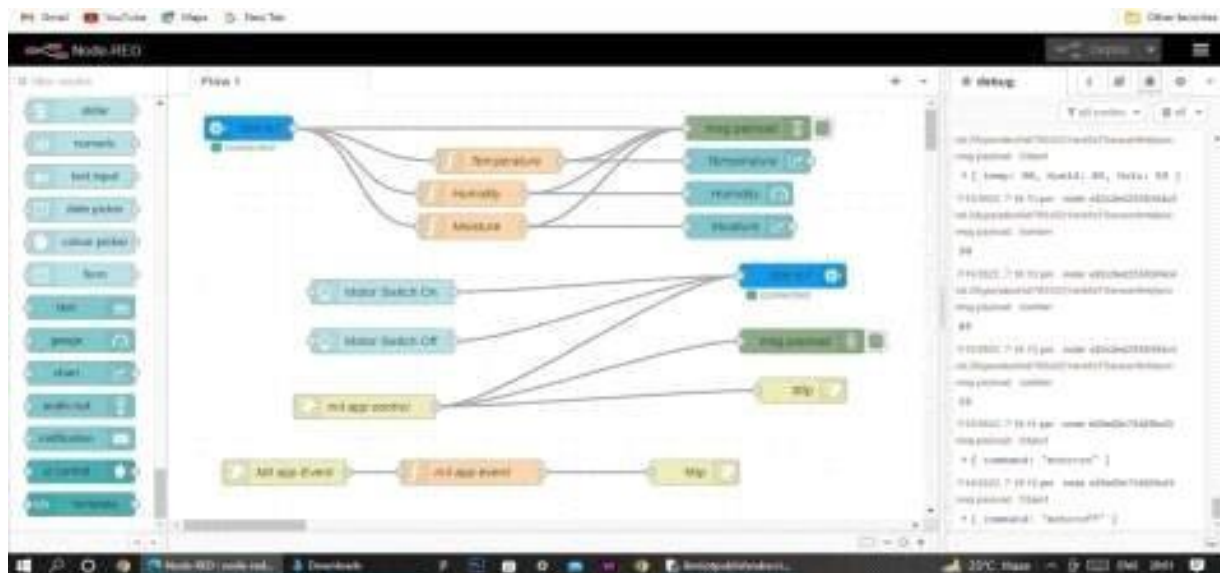
In order to display the parsed JSON data a Node-Red dashboard is created

Here we are using Gauges, text and button nodes to display in the UI and help to monitor the parameters and control the farm equipment.

Below images we started to create the flow 1



COMPLETE PROGRAM FLOW :



SCREENSHOTS:



