**SPRINT 4**

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| Date | 16 November 2022 |
| Team ID | PNT2022TMID53951 |
| Project Name | Project – Smart Farmer-IoT Enabled smartFarming Application |

**CONFIGURATION OF NODE-RED TO SEND COMMANDS TO IBM CLOUD**

Here we add

two buttons

in UI1 -> for

motor on

2 -> for motor off

We used a function node to analyses the data received and assigncommand to eachnumber.

The Java script code

for the analyses is:

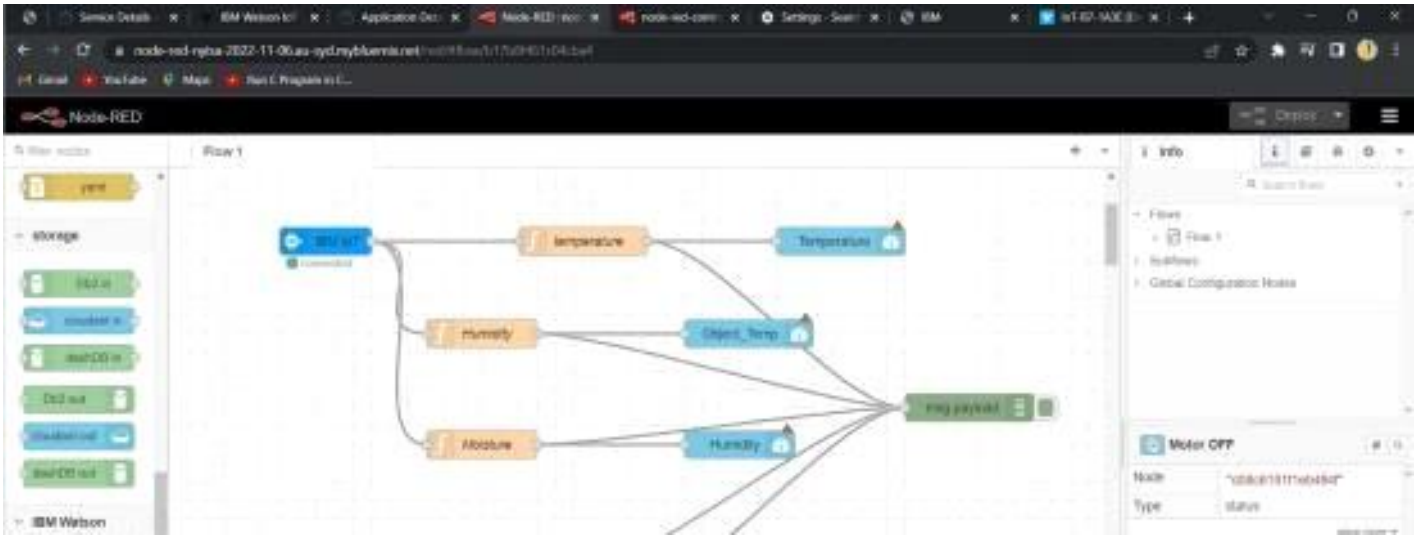
```
if(msg.payload===1)

msg.payload={"comm

and": "ON"}; else

if(msg.payload===0)

msg.payload={"comm

and": "OFF"};
```

## Adjusting User Interface

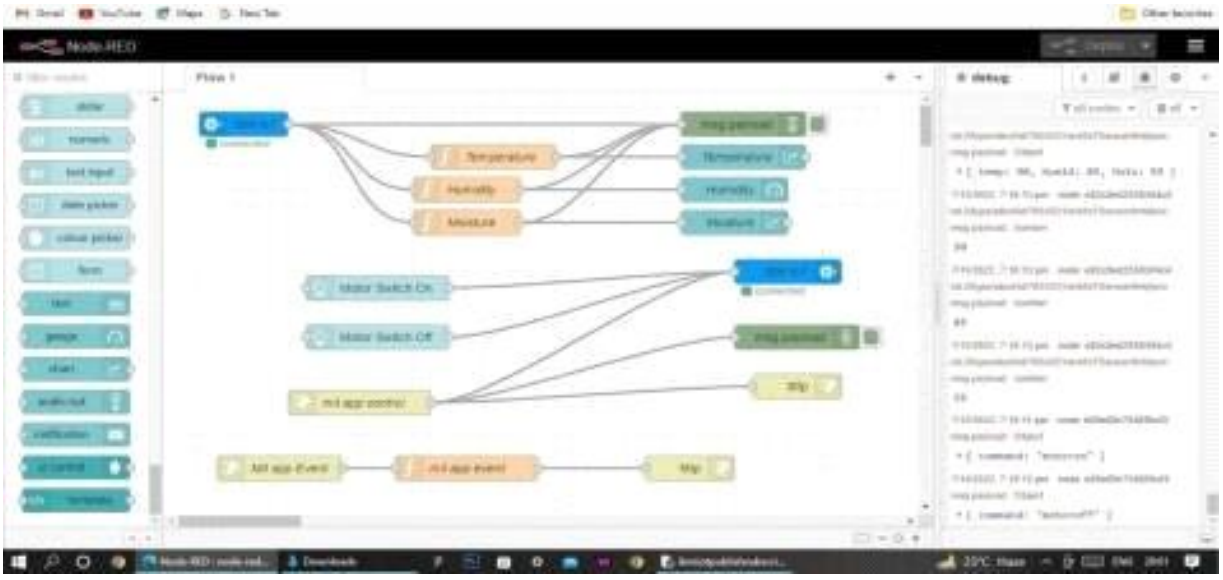
In order to display the parsed JSON data a Node-Red dashboard is created

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

Below images we started to create the flow 1




**COMPLETE PROGRAM FLOW :**



## SCREENSHOTS: