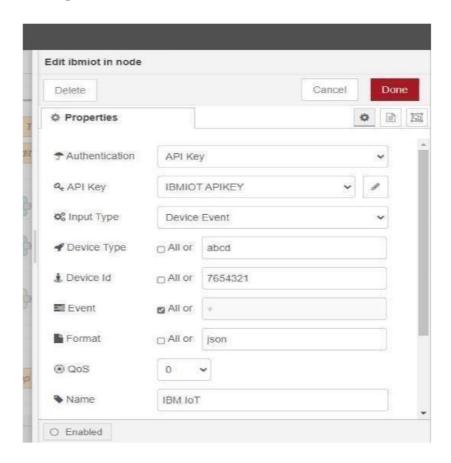
# Project Development Phase Delivery of Sprint 3

Date	15 November 2022
Team ID	PNT2022TMID14459
Project Name	SmartFarmer – IoT Enabled Smart
	Farming Application

## Configuration of Node-Red to send commands to IBM cloud



#### 1 -> for motor on

#### 2 -> for motor off

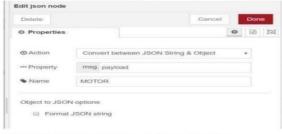
We used a function node to analyses the data received and assign command to each number. The Java script code for the analyses is:

if(msg.payload===1)
msg.payload={"command": "ON"};
else if(msg.payload===0)
msg.payload={"command": "OFF"};

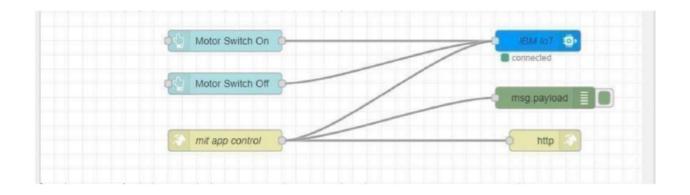


The above images show the java script codes of analyser and state function nodes.

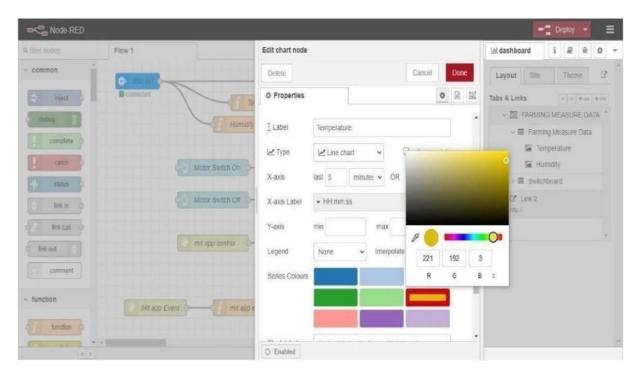
Then we add edit Json node to the conversion between JSON string & object and finally connect it to IBM IoT Out.



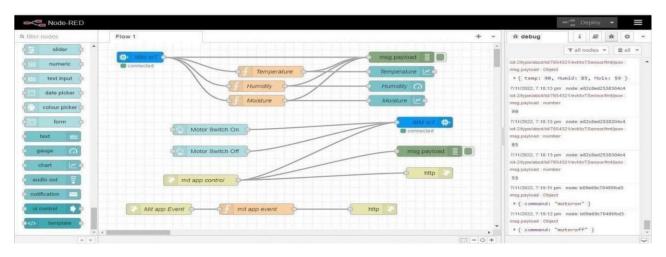
Edit JSON node needs to be configured like this



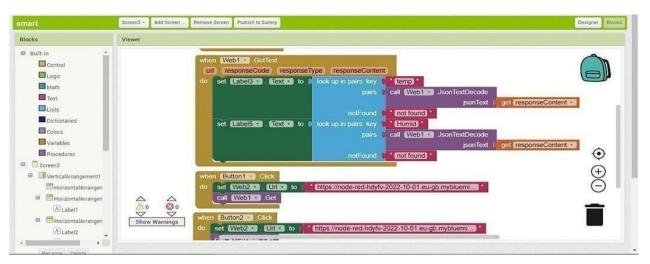
### ADJUSTING USER INTERFACE



#### COMPLETE PROGRAM FLOW



#### **MOBILE APP**







## WEB APP UI

