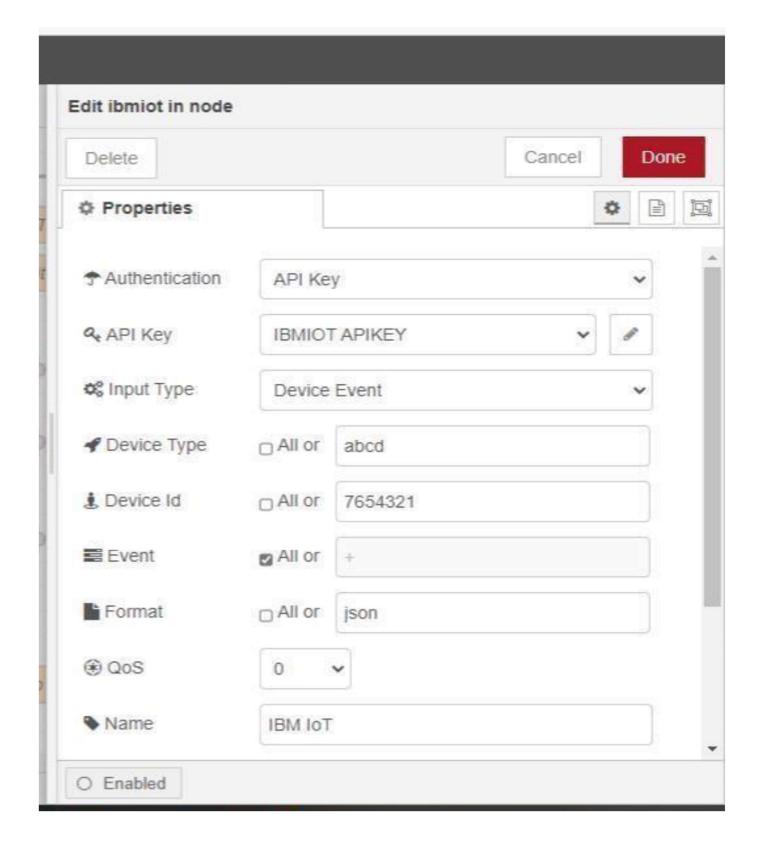
### **Build A Web Application Using Node - Red**

Date	17 November 2022
Team ID	PNT2022TMID39877
Project Name	Project – Smart Farmer - IoT Enabled Smart Farming Application

# **Configuration Of IBM Cloud With Node – Red:**



• We Added Two Buttons In The Application In Order To Access The Motor

1 = Motor On

**0** = Motor Off

• We Used A Function Node To Analyses And Receive And Analysis Of Data

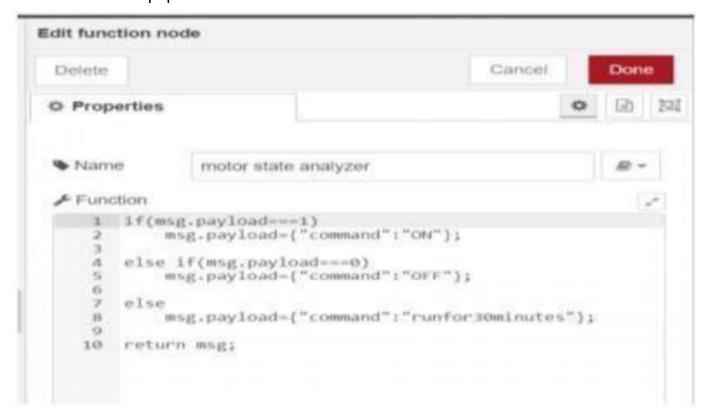
```
The Node - Red Code :

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

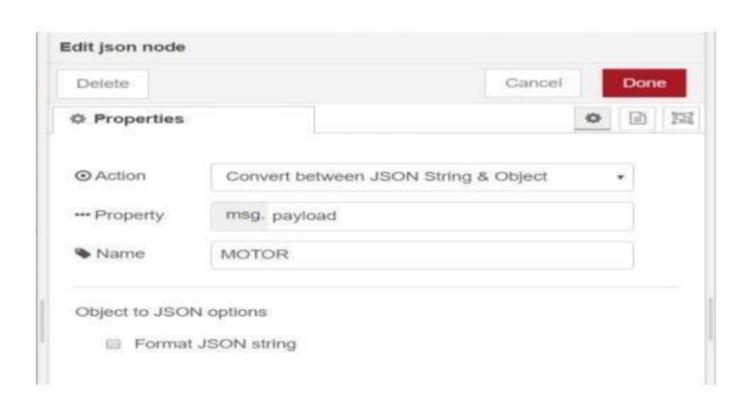
#### **JSON UI Interface:**

In order To Use A Virtual Environment We Can Develop A Platform In Node

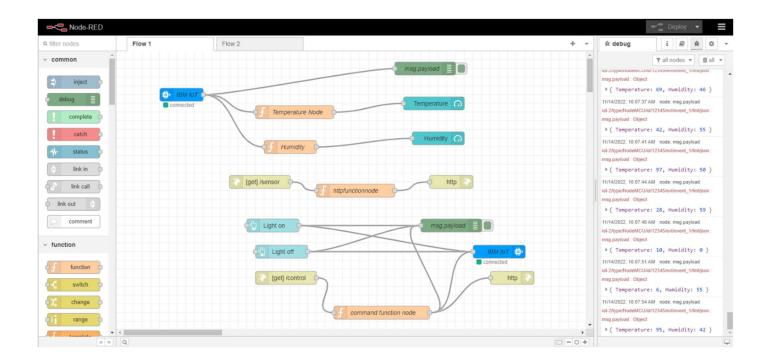
 Red In Order To Show The Gauges, Text And Buttons To Control The
 Equipments.







# **COMPLETE PROGRAM FLOW DIAGRAM:**



### **WEB USER INTERFACE:**

