

## **Sprint – 2**

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### **Task:**

Sensed data is brought to Node-RED and displayed in the dashboard

### **Steps:**

1. IBM IoT node is used to gather sensor data.
  - a. Necessary API key is provided to establish a connection.
2. Using functions namely Temperature, Humidity, and Gas the data is obtained independently and displayed in the dashboard.
3. Dashboard Nodes are used to display the sensed data to the user in a portal.

### **Sour code:**

Temperature:                      msg.payload                                      =  
   msg.payload.Temperature;  
   return msg;

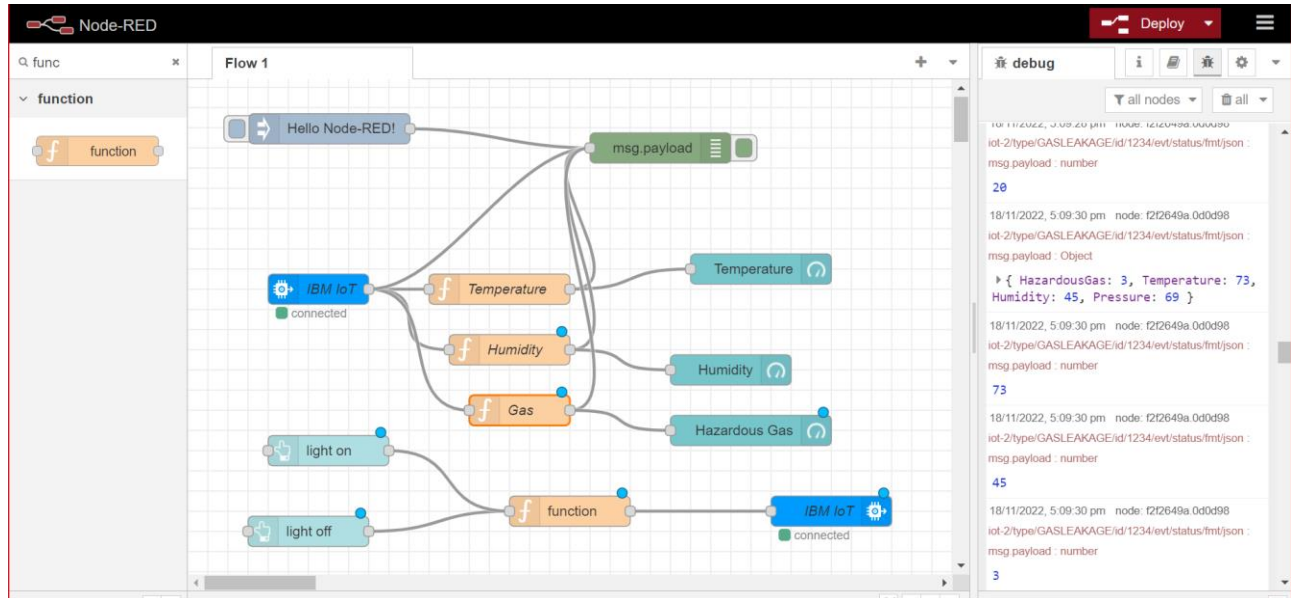
Humidity:                              msg.payload                                      =  
   msg.payload.Humidity;  
   return msg;

Concentration of Gas:              msg.payload = msg.payload.gas;

return msg;

**Output:**

## 1. Data is brought to Node-RED

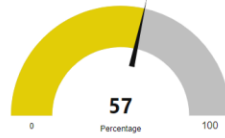


## 2. Data is displayed in Dashboard

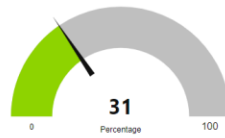
## Gas

### Sensor Data

Humidity



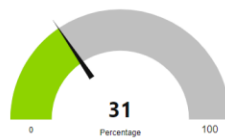
Hazardous Gas



LIGHT ON

## Gas

Hazardous Gas



LIGHT ON

LIGHT OFF

Temperature

