

PROJECT DEVELOPMENT PHASE

SPRINT-3

DATE	11 November 2022
TEAM ID	PNT2022TMID35489
TITLE	Gas Leakage Monitoring and Alerting System for Industries

AIM:

To bring sensed data from IBM Cloud to NODE-RED and display it in dashboard.

STEPS:

- IBM IOT Node-Red is used to gather data using API keys and connection is established.
- The functions Temperature and Humidity are obtained and displayed in dashboard.

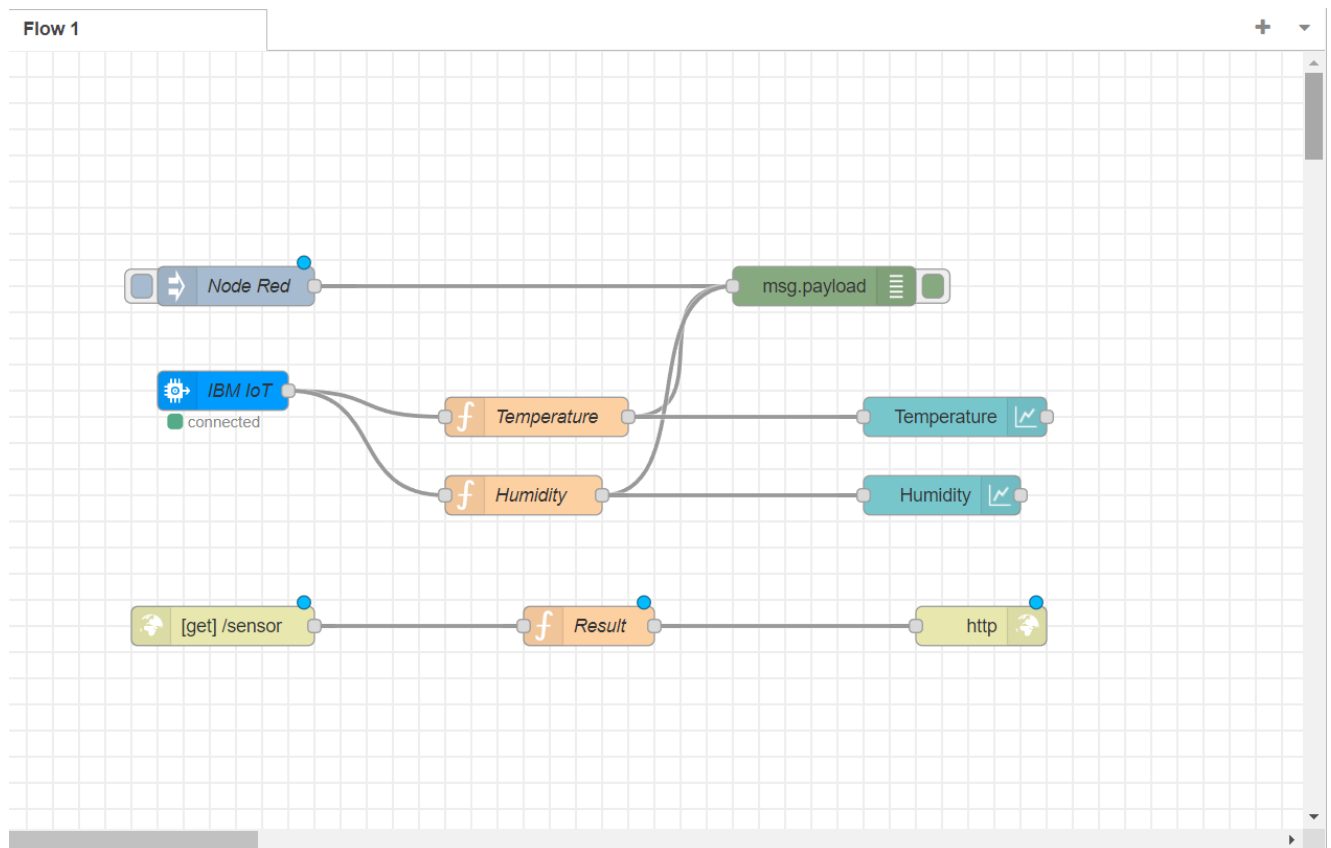
SOURCE CODE:

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

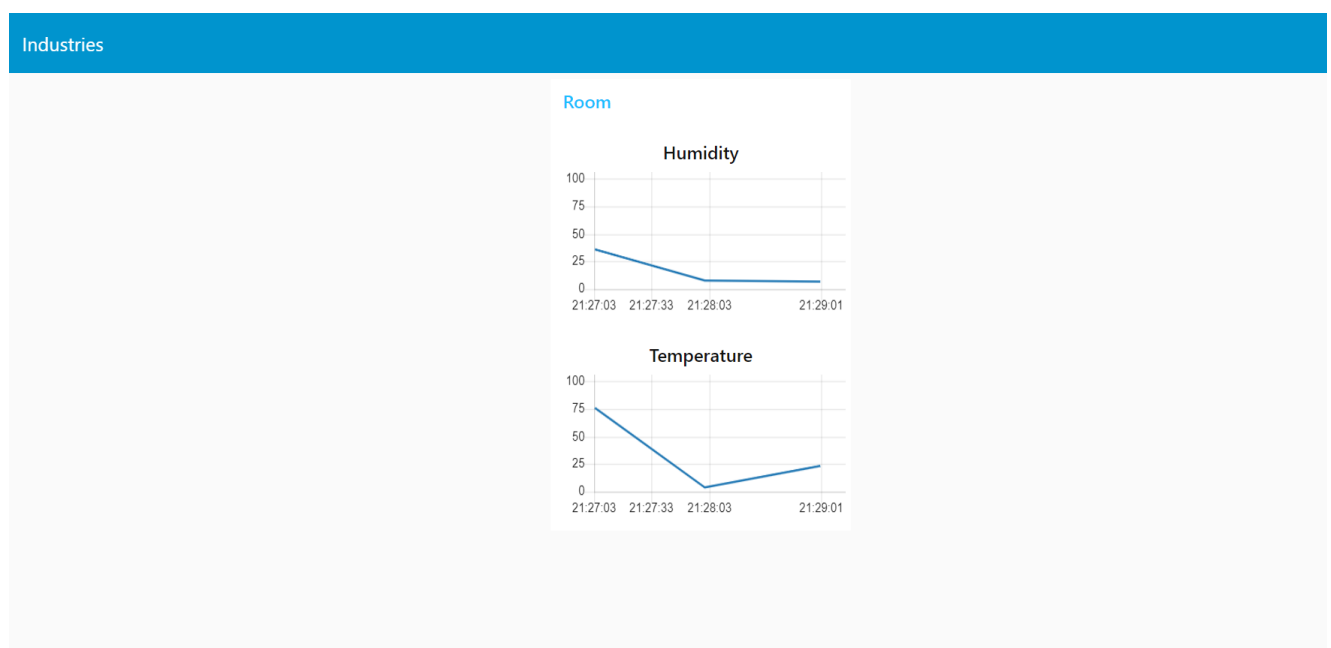
Humidity:         msg.payload=msg.payload.humid
                  return msg;
```

OUTPUT:

1.Data is brought to Node-Red



2.Data is displayed in the Dashboard.



IBM IOT WATSON:

IBM Watson IoT Platform

2019105584@student.annauniv.edu
ID: d4fpcb

Browse

Action

Device Types

Interfaces

Add Device

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"temp":72,"humid":91}	json	a few seconds ago
event_1	{"temp":99,"humid":18}	json	a minute ago
event_1	{"temp":89,"humid":16}	json	2 minutes ago
event_1	{"temp":43,"humid":38}	json	3 minutes ago
event_1	{"temp":9,"humid":79}	json	4 minutes ago

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1 Simulation running

Event Payload

Event Nameevent_1

Time ReceivedNov 16, 2022 9:17 PM

1

2

3

4

```
{  
  "temp": 89,  
  "humid": 16  
}
```