

SPRINT 2

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Team ID	PNT2022TMID22120
Project Name	Project-Smart Farmer-Iot Enabled Smart Farming Application

SPRINT 2 – NODERED

The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow with the following components:

- Flow 1:**
 - IBM IoT** (connected) node receives data from the cloud.
 - Humidity** and **Temperature** (function) nodes process the incoming data.
 - msg.payload** (message) node captures the processed data.
 - MOTOR ON** and **MOTOR OFF** (function) nodes are triggered based on the data.
 - [get]/command** (http) node sends commands to the cloud.
 - [get]/data** (http) node receives data from the cloud.
 - function** (function) node processes the received data.
- Flow 2:**
 - Humidity** and **Temperature** (function) nodes process the incoming data.
 - msg.payload** (message) node captures the processed data.
 - MOTOR ON** and **MOTOR OFF** (function) nodes are triggered based on the data.
 - [get]/command** (http) node sends commands to the cloud.
 - [get]/data** (http) node receives data from the cloud.
 - function** (function) node processes the received data.

The debug console on the right shows the following logs:

```

11/19/2022, 12:46:51 AM node: 1669f42b5f660b3
iot-2/type/Nodered_123/kd/56789/ev/status/fmt/json : msg.payload : Object
  { temperature: 68, humidity: 38 }

11/19/2022, 12:46:51 AM node: 1669f42b5f660b3
iot-2/type/Nodered_123/kd/56789/ev/status/fmt/json : msg.payload : number
38

11/19/2022, 12:46:51 AM node: 1669f42b5f660b3
iot-2/type/Nodered_123/kd/56789/ev/status/fmt/json : msg.payload : number
68

11/19/2022, 12:46:54 AM node: 1669f42b5f660b3
iot-2/type/Nodered_123/kd/56789/ev/status/fmt/json : msg.payload : Object
  { temperature: 73, humidity: 60 }

11/19/2022, 12:46:54 AM node: 1669f42b5f660b3
iot-2/type/Nodered_123/kd/56789/ev/status/fmt/json : msg.payload : number
60

11/19/2022, 12:46:54 AM node: 1669f42b5f660b3
iot-2/type/Nodered_123/kd/56789/ev/status/fmt/json : msg.payload : number
73

11/19/2022, 12:50:03 AM node: 93db9d4c7d8286c
msg.payload : Object
  { command: "motoron" }

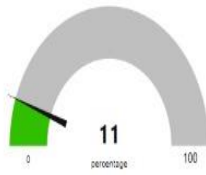
11/19/2022, 12:50:05 AM node: 93db9d4c7d8286c
msg.payload : Object
  { command: "motortoff" }
  
```

New dashboard

lot UI

MOTOR ON

Humidity



MOTOR OFF

Temperature

