

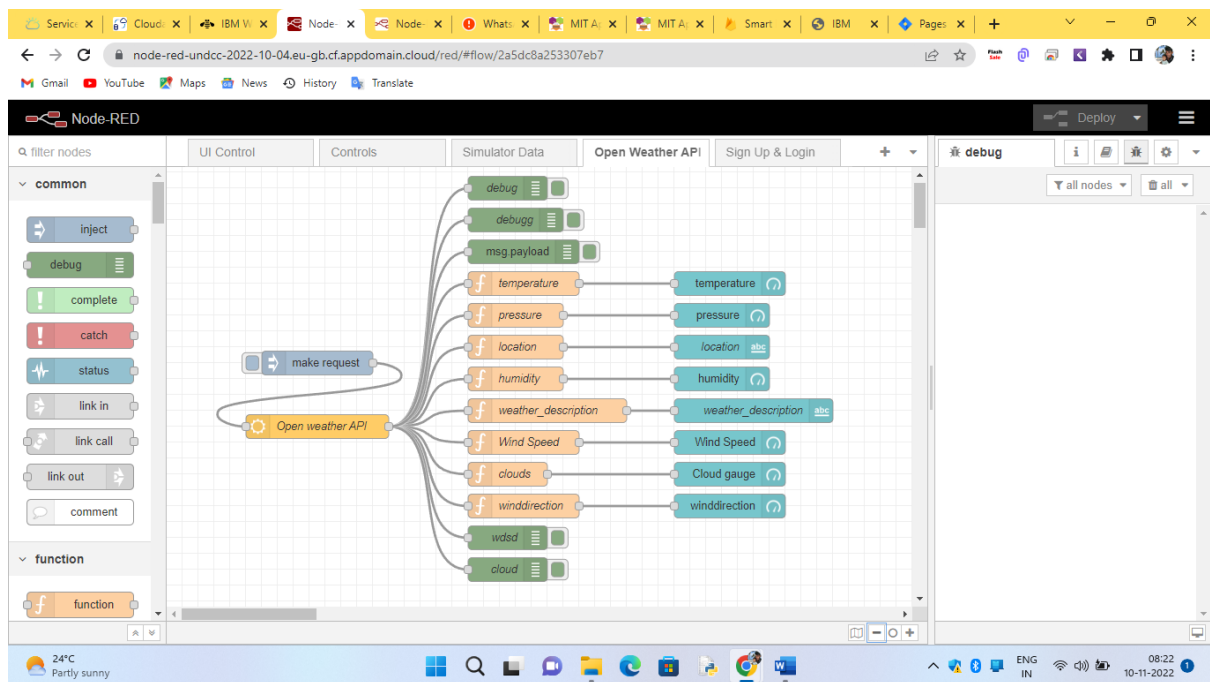
## Project Development Phase

### Sprint-4

#### (Web Application Open Weather API Data Testing)

Date	10 November 2022
Team ID	PNT2022TMID44926
Project Name	Smart Farmer IOT Enabled Smart Farming Application

## Node-RED Flows For open Weather API



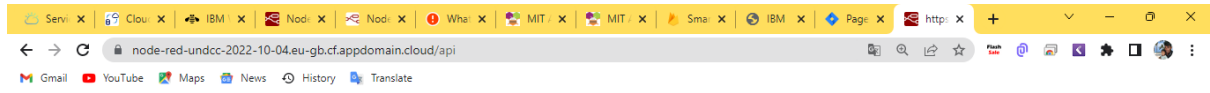
## After Inject the Open Weather API Data's Will Shown in the Node-RED Debug

The screenshot shows the Node-RED web interface in a browser. The flow is titled "Open Weather API" and is located in the "Open Weather API" tab. The flow starts with a "make request" node, which connects to an "Open weather API" node. This node then branches into several "function" nodes, each connected to a corresponding "debug" node. The "function" nodes are: "temperature", "pressure", "location", "humidity", "weather\_description", "Wind Speed", "clouds", "winddirection", "wdsd", and "cloud". The "debug" nodes are: "debug", "debug", "msg.payload", "temperature", "pressure", "location", "humidity", "weather\_description", "Wind Speed", "Cloud gauge", "winddirection", "wdsd", and "cloud". The "debug" console on the right shows the output of the flow, including the "msg.payload" object and the values of the "debug" nodes.

```
11/10/2022, 8:23:17 AM node: 0fb3b65e643bdc49
msg.payload: Object
  { id: 701, weather: "Mist", detail: "mist", icon: "50d", tempk: 299.2 ... }
11/10/2022, 8:23:17 AM node: debug
msg.payload.description: undefined
undefined
11/10/2022, 8:23:17 AM node: debug
msg.payload.location: string[6]
"Trichy"
11/10/2022, 8:23:17 AM node: wdsd
msg.payload.winddirection: number
10
11/10/2022, 8:23:17 AM node: cloud
msg.payload.clouds: number
20
```

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```
11/10/2022, 8:23:17 AM node: 0fb3b65e643bdc49
msg.payload: Object
  { id: 701
    weather: "Mist"
    detail: "mist"
    icon: "50d"
    tempk: 299.2
    tempc: 26
    temp_maxc: 26
    temp_minc: 26
    humidity: 89
    pressure: 1013
    maxtemp: 299.2
    mintemp: 299.2
    windspeed: 3.09
    winddirection: 10
    location: "Trichy"
    sunrise: 1668040741
    sunset: 1668082755
    clouds: 20
    description: "The weather in Trichy at coordinates: 10.8029, 78.6988 is Mist (mist)."}
11/10/2022, 8:23:17 AM node: debug
```



```
{"tempc":26,"humidity":89,"pressure":1013,"location":"Trichy",  
,"weathers":"Clouds","windspeed":3.09,"clouds":20,"winddirection":10,"weather description":"The weather in Trichy at  
coordinates: 10.8029, 78.6988 is Mist (mist)."}]
```

