

## SPRINT-2

Team ID	PNT2022TMID45633
Project Name	IOT Based Small Crop Protection System For Agriculture
Maximum Marks	20 Marks

Connect IBM IOT in and msg payload and Deploy:

The screenshot displays the Node-RED web interface in a browser. The address bar shows the URL: `node-red-uoibk-2022-11-11.eu-gb.mybluemix.net/red/#flow/6a8637edd6f7acd4`. The interface includes a left sidebar with a 'filter nodes' search bar and a list of nodes under the 'dashboard' category, such as 'button', 'dropdown', 'switch', 'slider', 'numeric', 'text input', 'date picker', 'colour picker', 'form', 'text', and 'gauge'. The main workspace shows a flow with two nodes: 'IBM IoT' (blue node with a green 'connected' indicator) and 'msg.payload' (green node). A line connects the output of the 'IBM IoT' node to the input of the 'msg.payload' node. The top right of the interface has a 'Deploy' button. The bottom of the image shows a Windows taskbar with the search bar, task view button, and several application icons, including the Start menu, File Explorer, Microsoft Store, and various utility apps. The system clock in the bottom right corner indicates the time is 07:47 PM on 18-11-2022.

OUTPUT:

The screenshot shows the Node-RED web interface in a browser. The left sidebar contains a 'filter nodes' search bar and a 'dashboard' section with various widgets like button, dropdown, switch, slider, numeric, text input, date picker, colour picker, form, text, and gauge. The main workspace shows 'Flow 1' with a single node labeled 'IBM IoT' and a status 'connected'. The right sidebar has a 'debug' tab active, displaying a log of messages. The messages are JSON objects containing temperature, humidity, and soilmoisture data. The bottom of the screen shows a Windows taskbar with the search bar and various application icons.

node-red-uoibk-2022-11-11.eu-gb.mybluemix.net/red/#flow/6a8637edd6f7acd4

Node-RED

Deploy

filter nodes

Flow 1

Flow 2

debug

16

11/18/2022, 7:46:49 PM node: 0b0802a97a2e5570  
iot-2/type/weather\_device/Id/weather\_device\_id/ev/Mainproject/fmt/json : msg.payload : Object  
» { temperature: 70, humidity: 88, soilmoisture: 24 }

11/18/2022, 7:46:49 PM node: 0b0802a97a2e5570  
iot-2/type/weather\_device/Id/weather\_device\_id/ev/Mainproject/fmt/json : msg.payload : number  
70

11/18/2022, 7:46:49 PM node: 0b0802a97a2e5570  
iot-2/type/weather\_device/Id/weather\_device\_id/ev/Mainproject/fmt/json : msg.payload : number  
88

11/18/2022, 7:46:49 PM node: 0b0802a97a2e5570  
iot-2/type/weather\_device/Id/weather\_device\_id/ev/Mainproject/fmt/json : msg.payload : number  
24

11/18/2022, 7:46:52 PM node: 0b0802a97a2e5570  
iot-2/type/weather\_device/Id/weather\_device\_id/ev/Mainproject/fmt/json : msg.payload : Object  
» { temperature: 21, humidity: 25, soilmoisture: 54 }

11/18/2022, 7:46:55 PM node: 0b0802a97a2e5570  
iot-2/type/weather\_device/Id/weather\_device\_id/ev/Mainproject/fmt/json : msg.payload : Object  
» { temperature: 20, humidity: 80, soilmoisture: 36 }

11/18/2022, 7:46:58 PM node: 0b0802a97a2e5570  
iot-2/type/weather\_device/Id/weather\_device\_id/ev/Mainproject/fmt/json : msg.payload : Object  
» { temperature: 23, humidity: 66, soilmoisture: 68 }

11/18/2022, 7:47:01 PM node: 0b0802a97a2e5570  
iot-2/type/weather\_device/Id/weather\_device\_id/ev/Mainproject/fmt/json : msg.payload : Object  
» { temperature: 75, humidity: 26, soilmoisture: 56 }

python-3.11.0-am...exe

Show all

Type here to search

07:47 PM  
18-11-2022