

# Develop The Web Application Using Node-RED

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Project Name	<u><b>Real time river water monitoring and control system</b></u>

The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow named 'Flow 1' with the following components:

- IBM IoT** node (connected) on the left, which branches into two parallel processing nodes: **Humidity** and **temperature**.
- The **Humidity** node connects to a **humidity** output node and a **msg.payload** node.
- The **temperature** node connects to a **temperature** output node and the same **msg.payload** node.

The right-hand panel shows the **debug** console with a list of messages. Each message contains the following structure:

```
{
  "topic": "2/type/weather_device/d/weather_today/evt/event_1/fmt/js",
  "msg": {
    "payload": number
  }
}
```

The messages are timestamped and include a node ID (3fb1d3a16ac1b7df). The bottom of the image shows the Windows taskbar with various open applications and the system clock indicating 10:49 on 04-11-2022.