

## Use Dashboard Nodes for Creating UI (Web Apps)

<b>TEAM ID</b>	PNT2022TMID38568
<b>PROJECT TITLE</b>	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITANT CITIES

Step 1: Open Node red and pick and place blocks according to python scriptflow

Step2: Make sure necessary blocks are installed in Node RedStep 3: After creating the flow click on deploy

Step 4: Output is displayed in Node-red Debug window

Step 5: Also, web UI can also be seen by the URL followed by/ui

## Screenshots: NODE – RED FLOW

The screenshot displays the Node-RED web interface with four parallel flows. Each flow starts with an inject node, followed by a function node (Distance 1-4), which then branches into a msg.payload node and a LOAD cell node (LOAD CELL 1-4). The flows are connected to various output nodes like http, msg.payload, and websocket in.

**Flow 1:** inject → Distance 1 → msg.payload → LOAD CELL 1 → http

**Flow 2:** inject → Distance 2 → msg.payload → LOAD CELL 2 → http

**Flow 3:** inject → Distance 3 → msg.payload → LOAD CELL 3 → http

**Flow 4:** inject → Distance 4 → msg.payload → LOAD CELL 4 → http

The right sidebar shows the debug console with the following log entries:

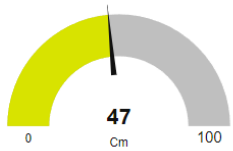
```
msg.payload : string[36]
"alert :No need to collect right now"
11/12/2022, 11:19:35 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : undefined
undefined
11/12/2022, 11:19:36 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : Object
{ dist: 48, load: 7 }
11/12/2022, 11:19:37 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : number
48
11/12/2022, 11:19:44 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : string[36]
"alert :No need to collect right now"
11/12/2022, 11:19:45 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : undefined
undefined
11/12/2022, 11:19:46 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : Object
{ dist: 18, load: 9 }
11/12/2022, 11:19:47 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : number
18
11/12/2022, 11:19:54 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : string[36]
"alert :No need to collect right now"
11/12/2022, 11:19:55 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : undefined
undefined
11/12/2022, 11:19:56 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : Object
{ dist: 38, load: 13 }
11/12/2022, 11:19:57 AM node: msg.payload
cot 2htype@BN44d@BN44DlevtoTSensorfmtjson :
msg.payload : number
38
```

# NODE-RED UI

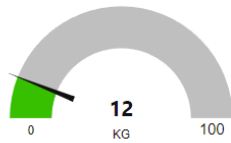
≡ control

control

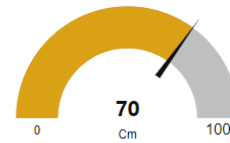
Distance 1



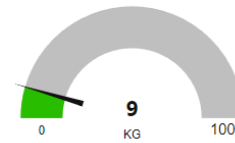
LOAD CELL 1



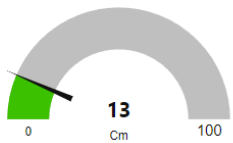
Distance 2



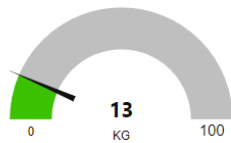
LOAD CELL 2



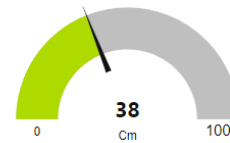
Distance 3



LOAD CELL 3



Distance 4



LOAD CELL 4

