

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

Team ID	PNT2022TMID01046
Project Name	Smart waste management system for metropolitan cities

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

Step2: Make sure necessary blocks are installed in Node Red

Step 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 in a browser. The address bar shows the URL `127.0.0.1:1880/#flow/f7b0041fa7761634`. The interface includes a left sidebar with a 'filter nodes' search bar and a list of nodes categorized under 'location'. The main workspace, titled 'Flow 1', contains two distinct data processing flows.

**Flow 1 (Top):** This flow starts with an 'inject' node connected to a 'worldmap' node (labeled 'connected 1'). Below this, an 'IBM IoT' node (labeled 'connected') feeds into two parallel function nodes: 'Distance 1' and 'LOAD cell 1'. The output of 'Distance 1' is connected to a 'msg.payload' node and a 'Distance 1' gauge. The output of 'LOAD cell 1' is connected to a 'LOAD CELL 1' gauge.

**Flow 2 (Bottom):** This flow begins with a '[get] /sensor' node connected to a 'function 1' node, which then connects to an 'http' node. Below this, another 'IBM IoT' node (labeled 'connected') feeds into two parallel function nodes: 'Distance 2' and 'LOAD cell 2'. The output of 'Distance 2' is connected to a 'msg.payload' node and a 'Distance 2' gauge. The output of 'LOAD cell 2' is connected to a 'LOAD CELL 2' gauge.

The right sidebar features a 'debug' tab and a 'Deploy' button. The bottom of the image shows a Windows taskbar with various application icons and a system tray displaying the date and time as 12-11-2022, 17:46.

# NODE - RED UI

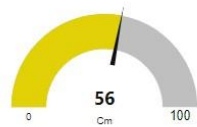
IBM x IBM Watson IoT Platform x Node-RED x Node-RED Dashboard x +

127.0.0.1:1880/ui/#!1?socketid=Ljq7KXDT2mepw0\_CAAAB

control

control

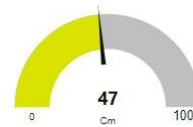
Distance 1



LOAD CELL 1



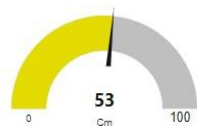
Distance 2



LOAD CELL 2



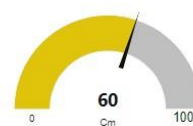
Distance 3



LOAD CELL 3



Distance 4



LOAD CELL 4



26°C  
Rain to stop



Search



ENG  
IN



10:18  
12-11-2022

### Node-RED - map all the things

© DCJ 2022

25°C Cloudy

Search

ENG IN

17:45 12-11-2022