

### 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

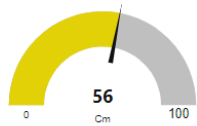
The screenshot displays the Node-RED web interface in a browser window. The browser's address bar shows the URL `127.0.0.1:1880/#flow/f7b0041fa7761634`. The interface includes a left sidebar with a 'filter nodes' search bar and two categories of nodes: 'common' (inject, debug, complete, catch, status, link in, link call, link out, comment) and 'function' (function, switch, change, range). The main workspace, titled 'Flow 1', contains two parallel data processing flows. Each flow starts with an 'IBM IoT' node (marked 'connected') that splits into two paths. The top path in each flow goes through a function node ('Distance 1' and 'Distance 2' respectively) and then to a 'msg.payload' node. The bottom path goes through a function node ('LOAD cell 1' and 'LOAD cell 2' respectively) and then to a corresponding output node ('Distance 1', 'LOAD CELL 1', 'Distance 2', 'LOAD CELL 2'). A third path from the 'IBM IoT' node in each flow goes through a '[get] /sensor' node, a function node ('function 1' and 'function 2'), and finally to an 'http' node. The right sidebar features a 'debug' tab and a 'Deploy' button. The Windows taskbar at the bottom shows the system clock as 10:15 on 12-11-2022, along with weather information (26°C, Rain to stop) and various application icons.

## NODE - RED UI

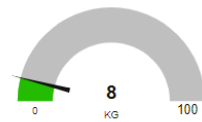
control

control

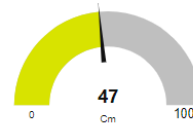
Distance 1



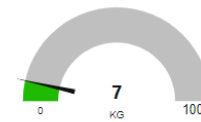
LOAD CELL 1



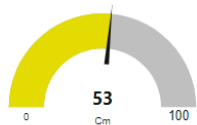
Distance 2



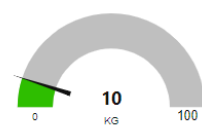
LOAD CELL 2



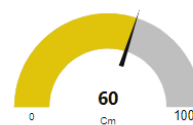
Distance 3



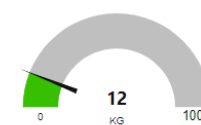
LOAD CELL 3



Distance 4



LOAD CELL 4



26°C  
Rain to stop



Search

ENG IN 10:18 12-11-2022