Use Dashboard Nodes for Creating UI (Web Apps)

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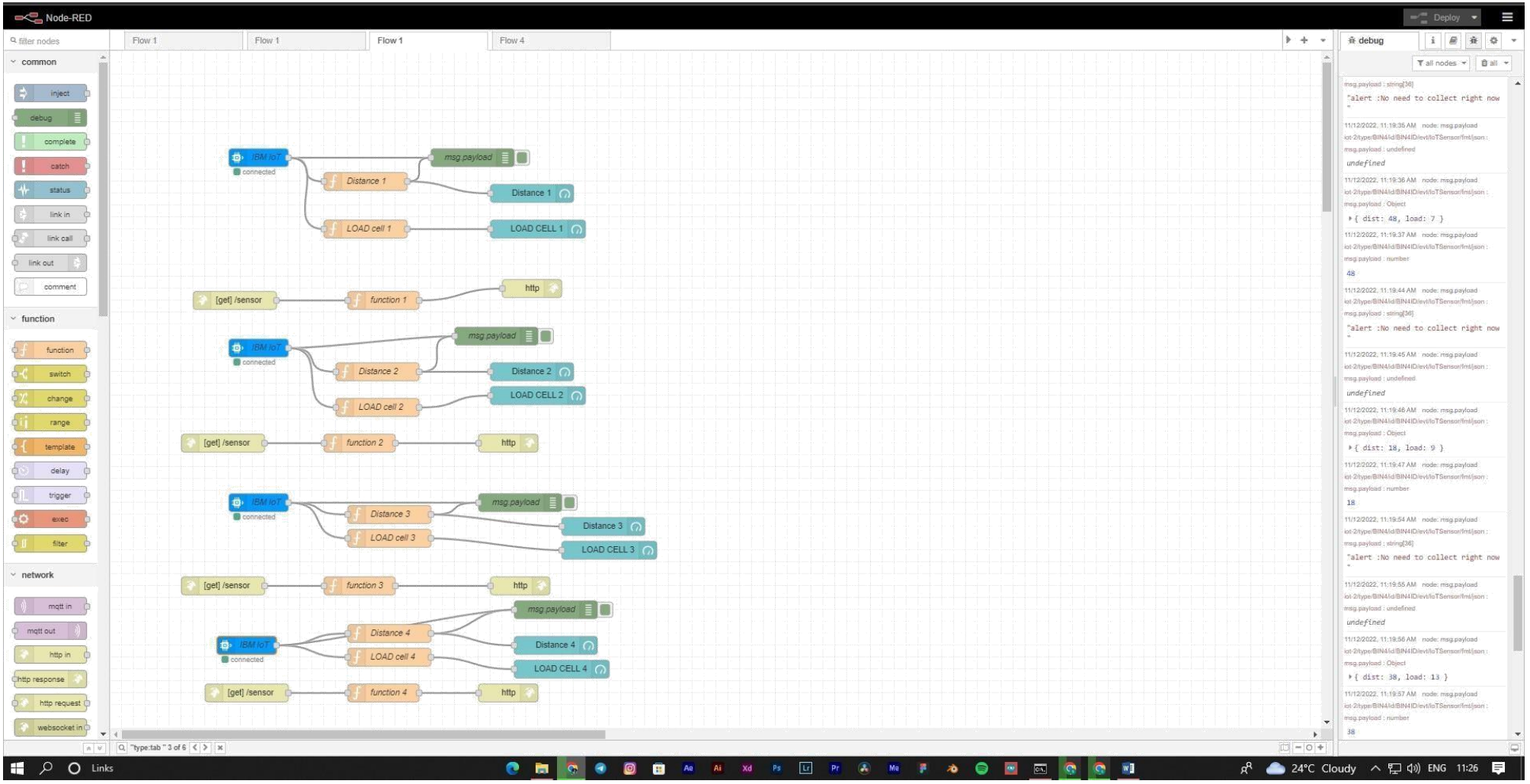
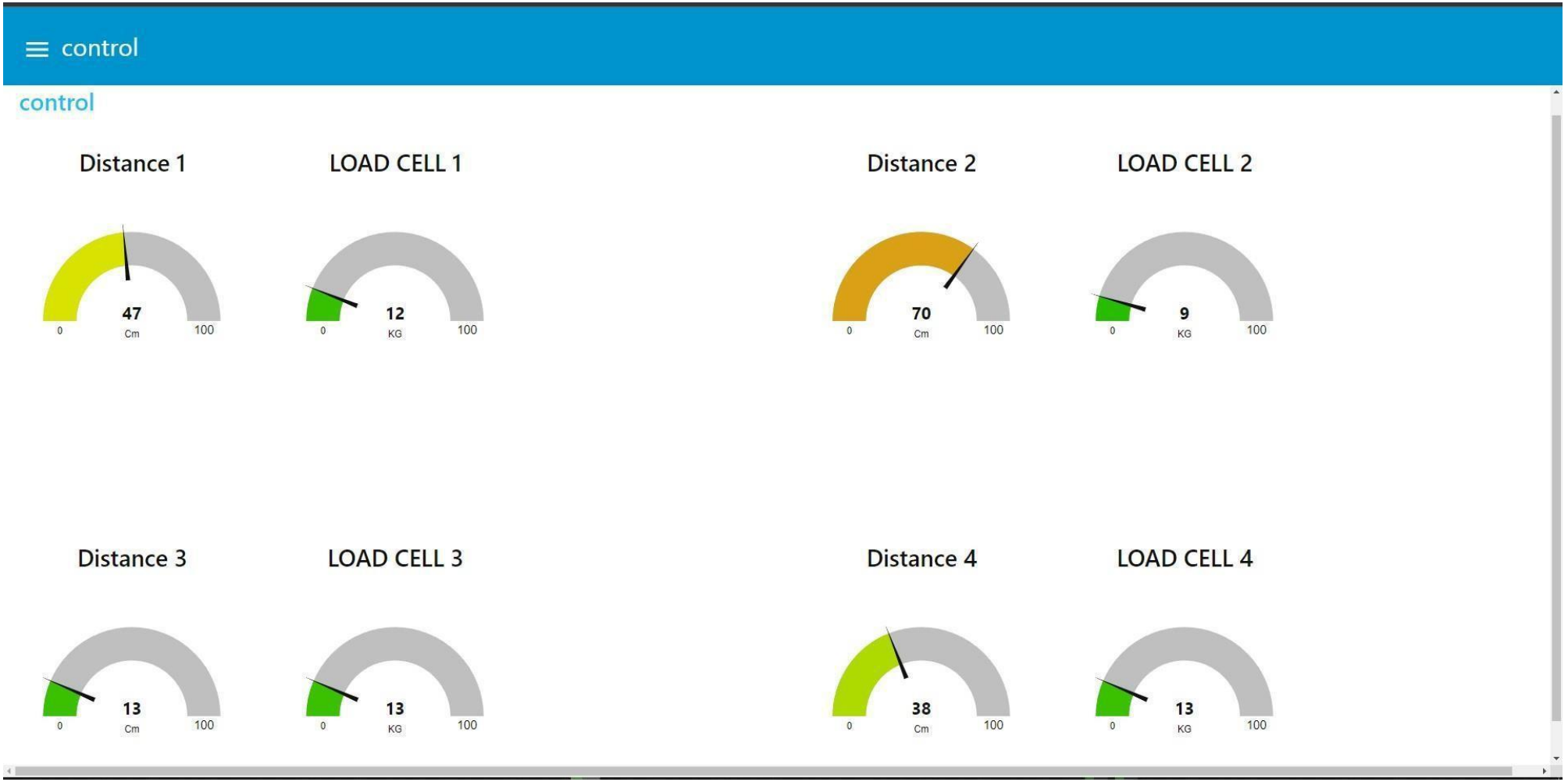
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES

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


Node-RED
Deploy
filter nodes
Flow 1
Flow 1
Flow 1
Flow 4
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
template
delay
trigger
exec
filter
network
mqtt in
mqtt out
http in
http response
http request
websocket in
IBM IoT
connected
msg.payload
Distance 1
LOAD cell 1
Distance 1
LOAD CELL 1
[get] /sensor
function 1
http
IBM IoT
connected
msg.payload
Distance 2
LOAD cell 2
Distance 2
LOAD CELL 2
[get] /sensor
function 2
http
IBM IoT
connected
Distance 3
LOAD cell 3
msg.payload
Distance 3
LOAD CELL 3
[get] /sensor
function 3
http
IBM IoT
connected
Distance 4
LOAD cell 4
msg.payload
Distance 4
LOAD CELL 4
[get] /sensor
function 4
http
debug
all nodes
all
msg.payload : string[36]
"alert :No need to collect right now "
11/12/2022, 11:19:35 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : undefined
undefined
11/12/2022, 11:19:36 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : Object
{ dist: 48, load: 7 }
11/12/2022, 11:19:37 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : number
48
11/12/2022, 11:19:44 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : string[36]
"alert :No need to collect right now "
11/12/2022, 11:19:45 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : undefined
undefined
11/12/2022, 11:19:46 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : Object
{ dist: 18, load: 9 }
11/12/2022, 11:19:47 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : number
18
11/12/2022, 11:19:54 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : string[36]
"alert :No need to collect right now "
11/12/2022, 11:19:55 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : undefined
undefined
11/12/2022, 11:19:56 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : Object
{ dist: 38, load: 13 }
11/12/2022, 11:19:57 AM node: msg.payload
iot-2/type/BIN4/id/BIN4ID/evt/IoTSensor/fmt/json : msg.payload : number
38
"type:tab " 3 of 6
Links
24°C Cloudy
ENG
11:26

NODE – RED UI


control
control
Distance 1
47
0
Cm
100
LOAD CELL 1
12
0
KG
100
Distance 2
70
0
Cm
100
LOAD CELL 2
9
0
KG
100
Distance 3
13
0
Cm
100
LOAD CELL 3
13
0
KG
100
Distance 4
38
0
Cm
100
LOAD CELL 4
13
0
KG
100