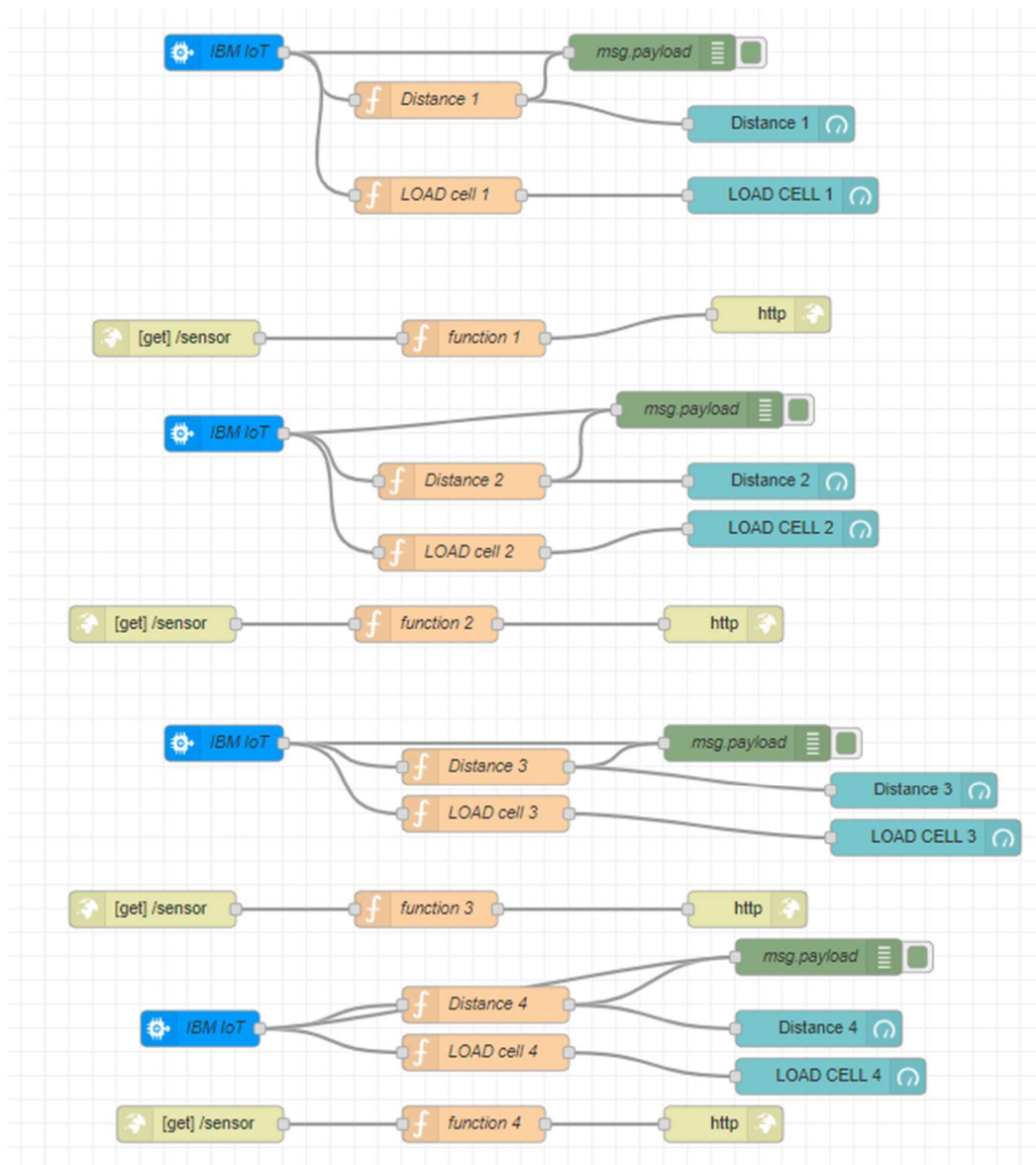


Develop a Web Application using Node-RED Service

Date	14 November 2022
Team ID	PNT2022TMID43225
Project Name	Smart waste management system for metropolitan cities
Max Marks	4 Marks

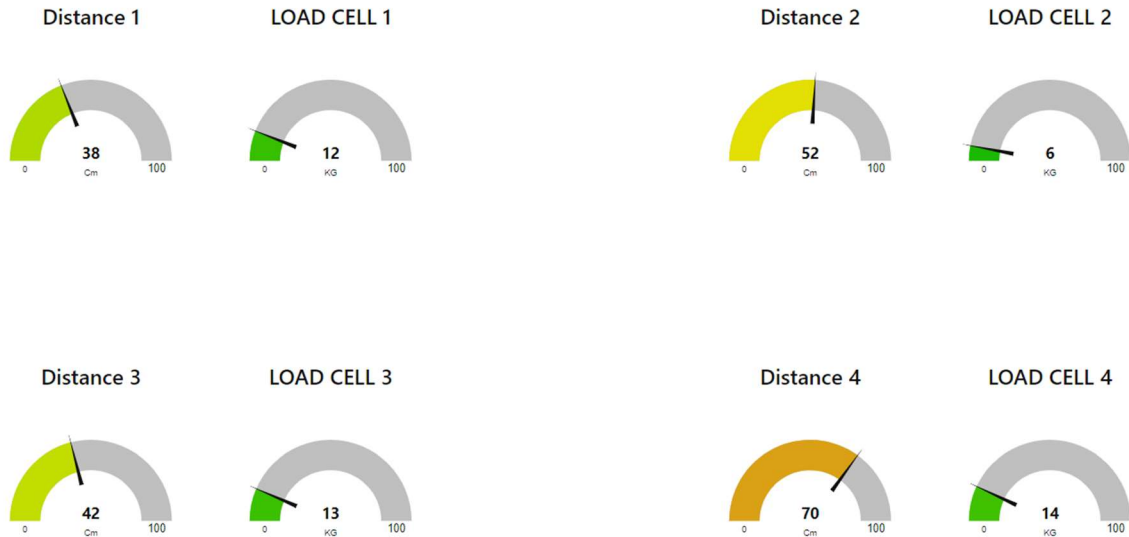
Using the Dashboard nodes for creating the UI – web application

1. Node-Red connections:



2. The UI

control



3. The python script output:

```
2022-11-15 09:25:02,592 ibmiotf.device.Client INFO Connected successfully: d:73ffyv:BIN1:BIN1ID
Peelamedu, Coimbatore
published distance = 38 loadcell:12 lon = 77.014616 lat = 11.035081
0 %
Risk warning:garbage is above 60%
alert :Levels are low, collection not needed
Peelamedu, Coimbatore
published distance = 38 loadcell:12 lon = 77.014616 lat = 11.035081
0 %
Risk warning:garbage is above 60%
alert :Levels are low, collection not needed

===== RESTART: D:\sems\Nalaiya_Thiran\imp\code\bin2.py =====
2022-11-15 09:25:28,916 ibmiotf.device.Client INFO Connected successfully: d:73ffyv:BIN2:BIN2ID
PSG iTech, Coimbatore
published distance = 52 loadcell:6 lon = 77.092978 lat = 11.068774
0 %
Risk warning:40 %
alert :Levels are low, collection not needed
PSG iTech, Coimbatore
published distance = 52 loadcell:6 lon = 77.092978 lat = 11.068774
0 %
Risk warning:40 %
alert :Levels are low, collection not needed
```

```

2022-11-15 09:25:45,977  ibmiotf.device.Client      INFO    Connected successfully: d:73ffyv:BIN3:BIN3ID
Kattoor, Coimbatore
published distance = 49  loadcell:14  lon = 76.963439  lat = 11.007403
0 %
Risk warning:40 %
alert :Levels are low, collection not needed
Kattoor, Coimbatore
published distance = 49  loadcell:14  lon = 76.963439  lat = 11.007403
0 %
Risk warning:40 %
alert :Levels are low, collection not needed
Kattoor, Coimbatore
published distance = 42  loadcell:13  lon = 76.963439  lat = 11.007403
0 %
Risk warning:40 %
alert :Levels are low, collection not needed
Kattoor, Coimbatore
published distance = 42  loadcell:13  lon = 76.963439  lat = 11.007403
0 %
Risk warning:40 %
alert :Levels are low, collection not needed

===== RESTART: D:\sems\Nalaiya_Thiran\imp\code\bin4.py =====
2022-11-15 09:26:47,244  ibmiotf.device.Client      INFO    Connected successfully: d:73ffyv:BIN4:BIN4ID
Seethammal Colony, Gobichittipalayam
published distance = 70  loadcell:14  lon = 77.426024  lat = 11.453306
0 %
Risk warning:17 %
alert :Levels are low, collection not needed
Seethammal Colony, Gobichittipalayam
published distance = 70  loadcell:14  lon = 77.426024  lat = 11.453306
0 %
Risk warning:17 %
alert :Levels are low, collection not needed
Seethammal Colony, Gobichittipalayam
published distance = 31  loadcell:12  lon = 77.426024  lat = 11.453306
0 %
Risk warning:garbage is above 60%
alert :Levels are low, collection not needed
Seethammal Colony, Gobichittipalayam
published distance = 31  loadcell:12  lon = 77.426024  lat = 11.453306
0 %
Risk warning:garbage is above 60%
alert :Levels are low, collection not needed

```