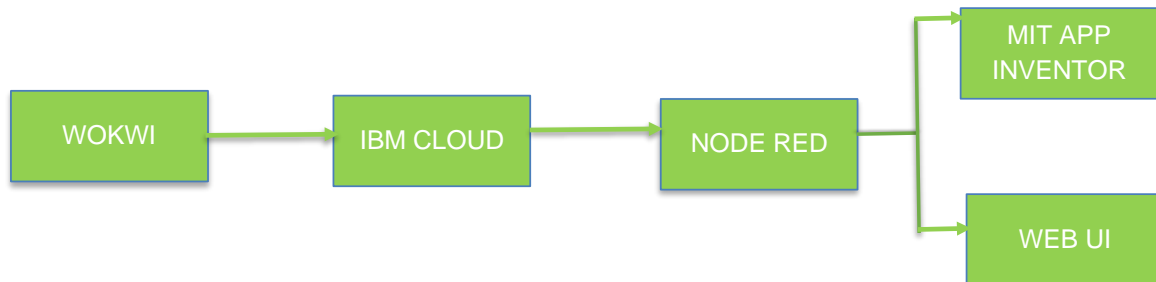


Project Development Phase

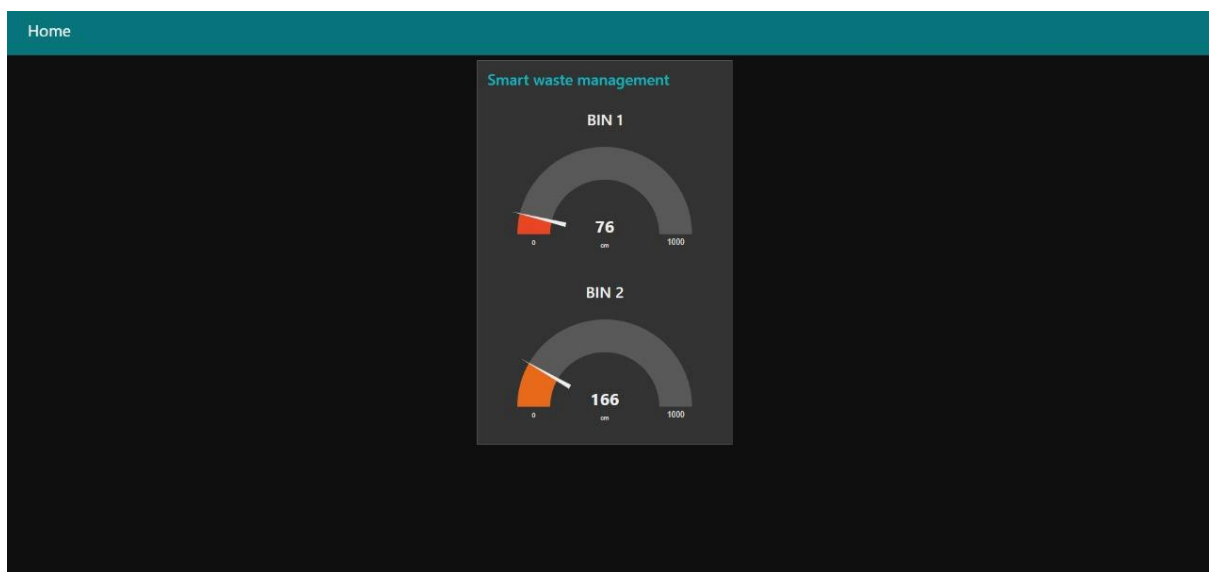
Sprint - 4

Date	12 November 2022
Team ID	PNT2022TMID35869
Project Name	Smart waste management system
Maximum Marks	4 Marks

WORKFLOW:



CREATION OF WEB UI USING NODE -RED DASHBOARD:



CONFIGURING GAUGE NODE:

Edit gauge node

Delete Cancel Done

Properties

Group [Home] Smart waste management

Size auto




Type Gauge

Label BIN 1

Value format {{value}}

Units cm

Range min 0 max 1000

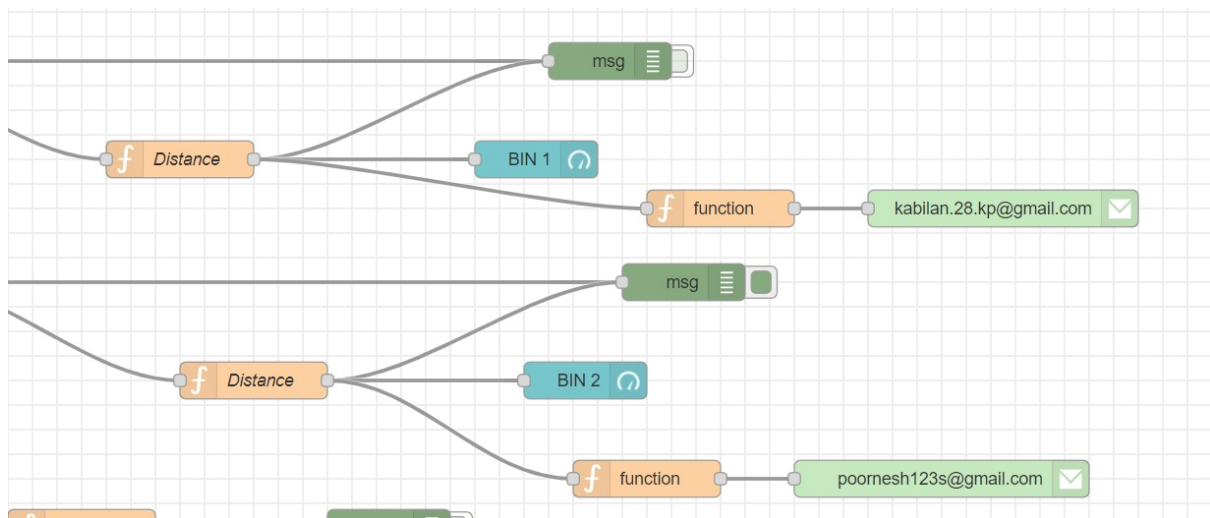
Colour gradient   

Sectors 0 ... optional ... optional ... 1000

Class Optional CSS class name(s) for widget

Name

DESIGNING ALERT SYSTEM USING NODE-RED:



SENDING ALERT FUNCTION:

Edit function node

Delete

Cancel

Done

⚙ Properties

⚙

📄

🖨

📌 Name

Name

📄

⚙ Setup

On Start

On Message

On Stop

1

2 var val = global.get("d1");

3 if(val<20){

4 msg.payload = "Bin 1 is almost full. please check it out";

5 }

6 return msg

ALERT THROUGH EMAIL USING EMAIL NODE:

Edit email node

Delete

Cancel

Done

⚙ Properties

⚙

📄

🖨

✉ To

kabilan.28.kp@gmail.com

🌐 Server

smtp.elasticemail.com

🔌 Port

2525

☐ Use secure connection.

👤 Userid

poornesh.offcl@gmail.com

🔒 Password

.....

🔒 TLS option

☐ Check server certificate is valid

📌 Name

Name