

diagram.json

Team ID: PNT2022TMID16239

Project Name : Smart Waste Management System

.json :

```
{
  "version": 1,
  "author": "6179_YOGESHWARI.K",
  "editor": "wokwi",
  "parts": [
    { "type": "wokwi-esp32-devkit-v1", "id": "esp", "top": -11.34, "left": -19.33, "attrs": {} },
    { "type": "wokwi-pir-motion-sensor", "id": "pir1", "top": -115, "left": 106.81, "attrs": {} },
    {
      "type": "wokwi-led",
      "id": "led1",
      "top": -0.87,
      "left": 321.39,
      "attrs": { "color": "green" }
    },
    {
      "type": "wokwi-led",
      "id": "led2",
      "top": 63.04,
      "left": 323.67,
      "attrs": { "color": "yellow" }
    },
    {
      "type": "wokwi-led",
      "id": "led3",
```

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"top": 136.09,  
"left": 314.53,  
"attrs": { "color": "red" }  
},  
{  
  "type": "wokwi-led",  
  "id": "led4",  
  "top": 187.46,  
  "left": 284.87,  
  "attrs": { "color": "blue" }  
},  
{ "type": "wokwi-hc-sr04", "id": "ultrasonic1", "top": 11.69, "left": -272.11, "attrs": {} },  
{  
  "type": "wokwi-resistor",  
  "id": "r1",  
  "top": 28.81,  
  "left": 182.15,  
  "attrs": { "value": "1000" }  
},  
{  
  "type": "wokwi-resistor",  
  "id": "r2",  
  "top": 84.73,  
  "left": 177.58,  
  "attrs": { "value": "1000" }  
},  
{  
  "type": "wokwi-resistor",  
  "id": "r3",  
  "top": 137.23,  
  "left": 179.86,
```

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"attrs": { "value": "1000" }
},
{
  "type": "wokwi-resistor",
  "id": "r4",
  "top": 192.02,
  "left": 182.14,
  "attrs": { "value": "1000" }
},
{
  "type": "wokwi-lcd1602",
  "id": "lcd1",
  "top": 306.86,
  "left": -64.92,
  "attrs": { "pins": "i2c" }
}
],
"connections": [
  [ "esp:TX0", "$serialMonitor:RX", "", [] ],
  [ "esp:RX0", "$serialMonitor:TX", "", [] ],
  [ "ultrasonic1:VCC", "esp:VIN", "red", [ "v0" ] ],
  [ "ultrasonic1:TRIG", "esp:D13", "green", [ "v0" ] ],
  [ "ultrasonic1:ECHO", "esp:D12", "yellow", [ "v0" ] ],
  [ "ultrasonic1:GND", "esp:GND.2", "black", [ "v0" ] ],
  [ "pir1:GND", "esp:GND.2", "black", [ "v0" ] ],
  [ "pir1:OUT", "esp:D34", "green", [ "v8.28", "h-231.89", "v85.6" ] ],
  [ "pir1:VCC", "esp:3V3", "red", [ "v0" ] ],
  [ "led1:C", "esp:GND.1", "black", [ "v-14.76", "h-164.46" ] ],
  [ "led2:C", "esp:GND.1", "black", [ "v35.46", "h-181.57" ] ],
  [ "led3:C", "esp:GND.1", "black", [ "v1.21", "h-164.45" ] ],
  [ "led4:C", "esp:GND.1", "black", [ "v-28.46", "h-182.72" ] ],
```

```
[ "lcd1:GND", "esp:GND.1", "black", [ "h-88.4", "v-37.87", "h254.52" ] ],  
[ "lcd1:VCC", "esp:3V3", "red", [ "h-143.18", "v-64.49", "h304.74" ] ],  
[ "lcd1:SDA", "esp:D32", "cyan", [ "h-183.13", "v-104.8", "h205.44", "v-106.14" ] ],  
[ "lcd1:SCL", "esp:D19", "white", [ "h-110.09", "v107.12", "h321.86", "v-328.71" ] ],  
[ "led1:A", "r1:2", "green", [ "v0" ] ],  
[ "r1:1", "esp:D23", "green", [ "v0" ] ],  
[ "led2:A", "r2:2", "yellow", [ "v0" ] ],  
[ "r2:1", "esp:D22", "yellow", [ "v0" ] ],  
[ "led3:A", "r3:2", "red", [ "v14.91", "h-37.49" ] ],  
[ "r3:1", "esp:D21", "red", [ "v0" ] ],  
[ "led4:A", "r4:2", "blue", [ "v34.31", "h-34.07" ] ],  
[ "r4:1", "esp:D15", "blue", [ "v0" ] ]  
]  
}
```