

## SPRINT 1

### SMART WASTE MANAGEMENT SYSTEM

TEAM ID:PNT2022TMID21674

### ESP 32 JSON DIAGRAM

```
{
  "version": 1,
  "author": "Hamdhan",
  "editor": "wokwi",
  "parts": [
    { "type": "wokwi-esp32-devkit-v1", "id": "esp", "top": 1.29, "left": -1.29, "attrs": {} },
    {
      "type": "wokwi-led",
      "id": "led1",
      "top": -43.97,
      "left": 296.62,
      "attrs": { "color": "limegreen" }
    },
    {
      "type": "wokwi-led",
      "id": "led2",
      "top": 15.48,
      "left": 299.36,
      "attrs": { "color": "yellow" }
    },
    {
      "type": "wokwi-led",
      "id": "led3",
      "top": 140.83,
      "left": 302.1,
      "attrs": { "color": "blue" }
    }
  ]
}
```

```
},  
{  
  "type": "wokwi-led",  
  "id": "led4",  
  "top": 79.19,  
  "left": 300.24,  
  "attrs": { "color": "red" }  
},  
{  
  "type": "wokwi-resistor",  
  "id": "r1",  
  "top": -3.9,  
  "left": 224.81,  
  "attrs": { "value": "100" }  
},  
{  
  "type": "wokwi-resistor",  
  "id": "r2",  
  "top": 55.55,  
  "left": 221.42,  
  "attrs": { "value": "100" }  
},  
{  
  "type": "wokwi-resistor",  
  "id": "r3",  
  "top": 179.36,  
  "left": 221.1,  
  "attrs": { "value": "100" }  
},  
{  
  "type": "wokwi-resistor",
```

```
"id": "r4",
"top": 119.28,
"left": 220.77,
"attrs": { "value": "100" }
},
{
  "type": "wokwi-lcd1602",
  "id": "lcd1",
  "top": 248.08,
  "left": 161.61,
  "attrs": { "pins": "i2c" }
},
{
  "type": "wokwi-hc-sr04",
  "id": "ultrasonic1",
  "top": 13.99,
  "left": -295.33,
  "attrs": { "distance": "170" }
},
{
  "type": "wokwi-pir-motion-sensor",
  "id": "pir1",
  "top": -147.86,
  "left": -88.23,
  "attrs": {}
}
],
"connections": [
  [ "esp:TX0", "$serialMonitor:RX", "", [] ],
  [ "esp:RX0", "$serialMonitor:TX", "", [] ],
  [ "led1:A", "r1:2", "green", [ "v0" ] ],
```

```
[ "led2:A", "r2:2", "yellow", [ "v0" ] ],  
[ "led4:A", "r4:2", "red", [ "v0" ] ],  
[ "led3:A", "r3:2", "blue", [ "v0" ] ],  
[ "led1:C", "esp:GND.1", "black", [ "v-2.56", "h-170.98", "v116.48" ] ],  
[ "led2:C", "esp:GND.1", "black", [ "v-2.24", "h-173.72", "v91.96" ] ],  
[ "led4:C", "esp:GND.1", "black", [ "v-3.11", "h-174.6", "v27.59" ] ],  
[ "led3:C", "esp:GND.1", "black", [ "v-1.92", "h-177.99", "v-32.18" ] ],  
[ "r1:1", "esp:D23", "green", [ "v2.63", "h-71.91", "v19.92" ] ],  
[ "r3:1", "esp:D15", "blue", [ "v0.22", "h-89.65", "v-53.64" ] ],  
[ "lcd1:GND", "esp:GND.1", "black", [ "h-26.5", "v-129.82" ] ],  
[ "pir1:VCC", "esp:3V3", "red", [ "v268.96", "h172.77", "v-55.17" ] ],  
[ "pir1:GND", "esp:GND.2", "black", [ "v0" ] ],  
[ "pir1:OUT", "esp:D34", "green", [ "v0" ] ],  
[ "ultrasonic1:GND", "esp:GND.2", "black", [ "v0" ] ],  
[ "ultrasonic1:ECHO", "esp:D12", "yellow", [ "v0" ] ],  
[ "ultrasonic1:TRIG", "esp:D13", "green", [ "v0" ] ],  
[ "ultrasonic1:VCC", "esp:VIN", "red", [ "v0" ] ],  
]  
}
```