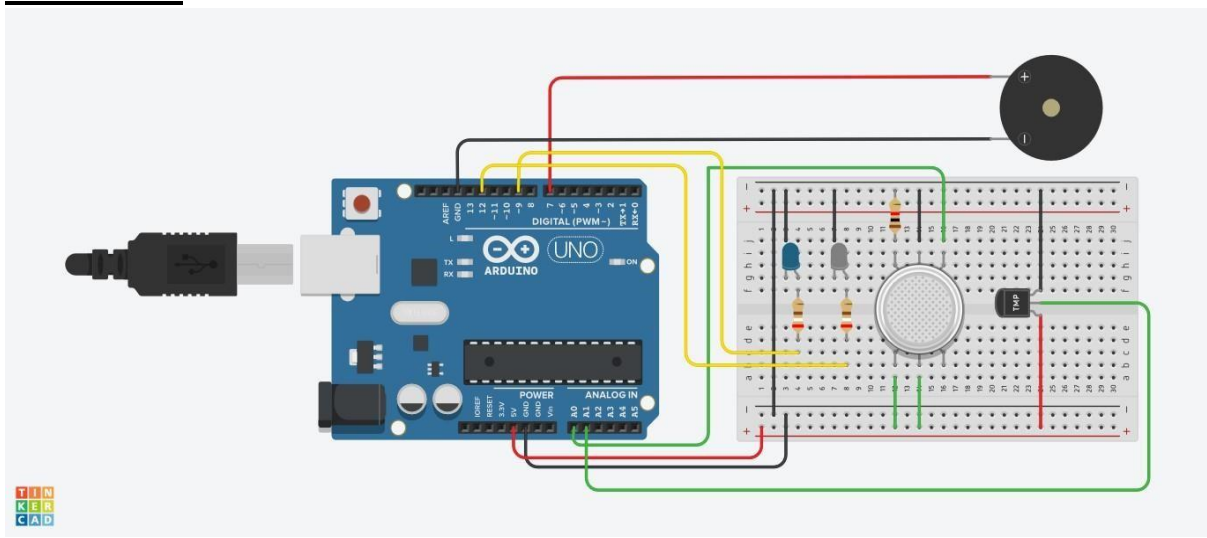


ASSIGNMENT - 1

Assignment Date	19 september 2022
Student Name	GOKUL T
Student Register Number	923019106008
Maximum Marks	2 MARKS

SMOKE SENSOR



CODE :

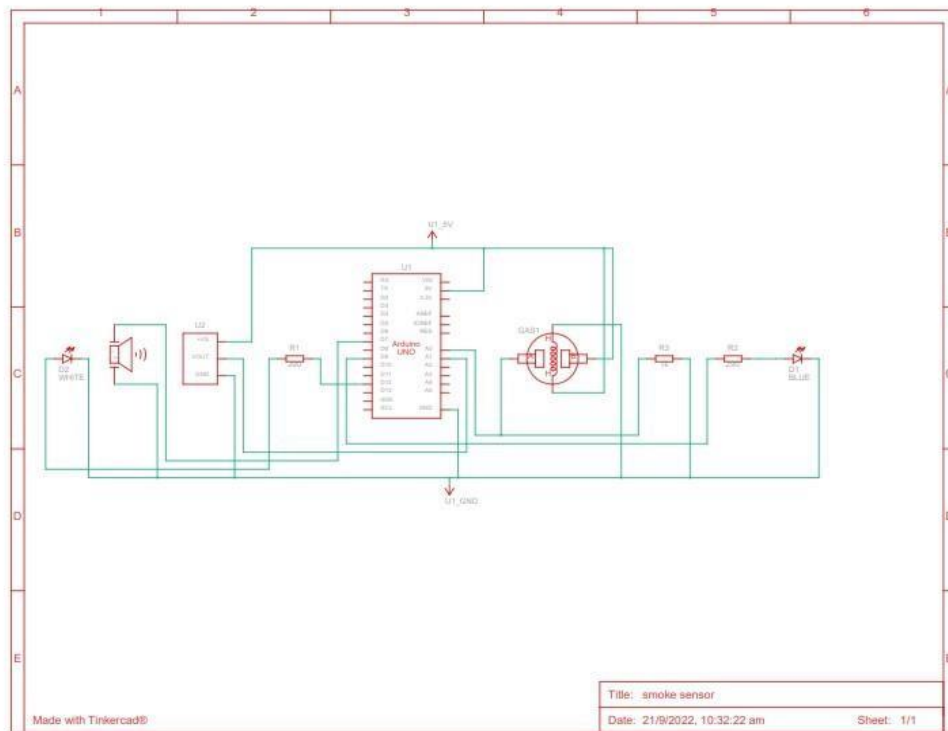
```
//AE CODE int
V_GasSen = 0; int
V_TempSens = 0; int
V_LEDlight=2; void
setup() {
  pinMode(A0,INPUT);
  pinMode(7,OUTPUT);
  pinMode(4,OUTPUT);
  pinMode(A1,INPUT);
  pinMode(2,OUTPUT);
} void loop() {
  //smoke Alarm
  V_GasSen=analogRead(A0);
  if (V_GasSen >= 250)
  {
    tone(7,523,1000);
    digitalWrite(9,HIGH);
  }
}
```

```

V_TempSens = -40 + 0.488155 * (analogRead(A1) - 20);
if (V_TempSens >= 70) { tone(7,523,1000);
digitalWrite(12,HIGH);
} delay(10);
}

```

BLACK DIAGRAM:



COMPONENT LIST:

Name	Quantity	Component
R1 R2	2	290 Ω Resistor
D1	1	Blue LED
U1	1	Arduino Uno R3
PIEZ01	1	Piezo
U2	1	Temperature Sensor [TMP36]
GAS1	1	Gas Sensor
D2	1	White LED
R3	1	1 kΩ Resistor