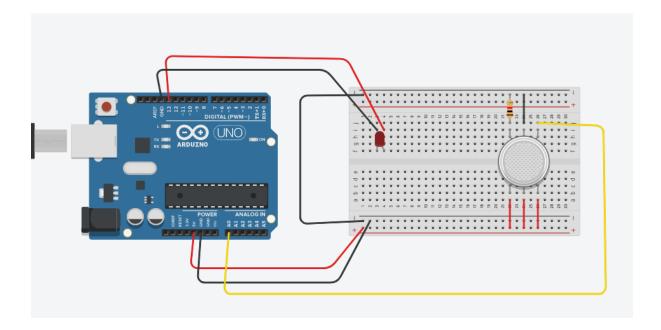
Gas Sensor

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1BM18CS034

<u>Aim</u>: To detect gas leakage using gas sesnsor

Circuit Diagram



Handwritten Code

gas sensor florsha e int led pin = 13; int smoke pin = A0; flort sensor val = 0;
serial. begin (9600); poinMode (led pin, OUTPUT);
senser val = analog feet and great (smotz pin); Serial print ("sensor reading!"); Serial plint (sensor val); if (sensor val > 300) of if aligital reliate (led pin, HI(H); Serial print(n "Smoke Detected"); else of
else d digital Cubrite (led_pin, LOW); Serial. println (" no snoke Detected"); delay (500); Jedelay (500);

Code

```
int led_pin = 13;
int smoke_pin = A0;
float sensor_val = 0;
void setup()
 Serial.begin(9600);
 pinMode(led_pin, OUTPUT);
}
void loop()
{
 sensor_val = analogRead(smoke_pin);
 Serial.print("sensor reading: ");
 Serial.print(sensor_val);
 if(sensor_val>300){
 digitalWrite(led_pin,HIGH);
  Serial.println(" Smoke Detected!");
 } else {
 digitalWrite(led_pin,LOW);
  Serial.println(" no smoke detected");
 delay(500);
}
```

Observation/Output:

The L.E.D lights up upon detection of gas leakage.