

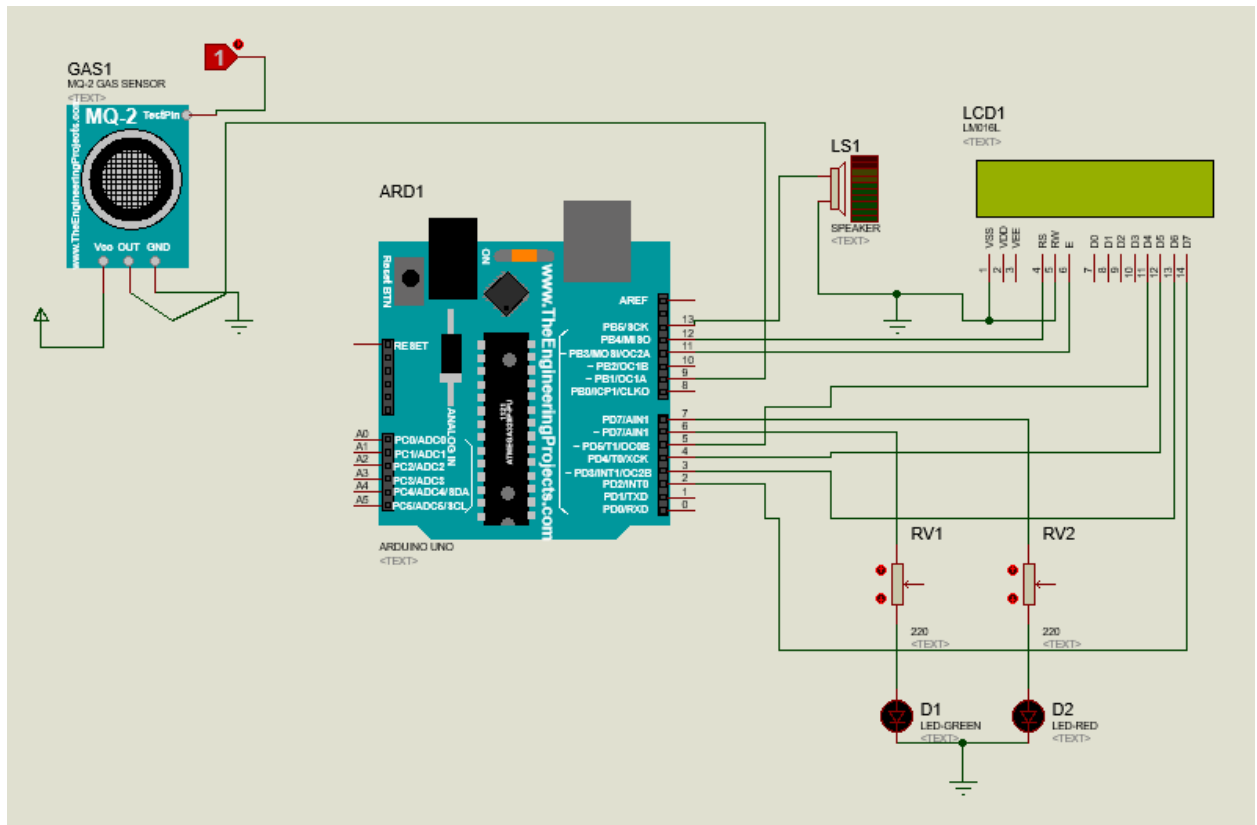
Gas Detector

Arduino Sketch & Proteus Design

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Proteus Design:



Proteus

Arduino Sketch:

```
#include<LiquidCrystal.h>

LiquidCrystal lcd(12 , 11 , 5 ,4 ,3 ,2);
int Gas = 9;
int redLed = 7;
int greenLed = 6;

void setup() {

pinMode(Gas , INPUT);
```

```
pinMode(13,OUTPUT); //

}

void loop() {

    if(digitalRead(Gas) == HIGH){
        lcd.setCursor(0,0);
        lcd.print("Gas Detected");
        digitalWrite(7 , HIGH);
        digitalWrite(6, LOW);
        digitalWrite(13, HIGH);
        tone( 13, 4000, 600);
        tone( 13, 2000, 600);
    }
    else{
        lcd.setCursor(0,0);
        lcd.print("No Gas Detected ");
        digitalWrite(6, HIGH);
        digitalWrite(7 ,LOW);
        digitalWrite(13, LOW);
    }
    delay(500);
    lcd.clear();

}
```

[Source Code](#)