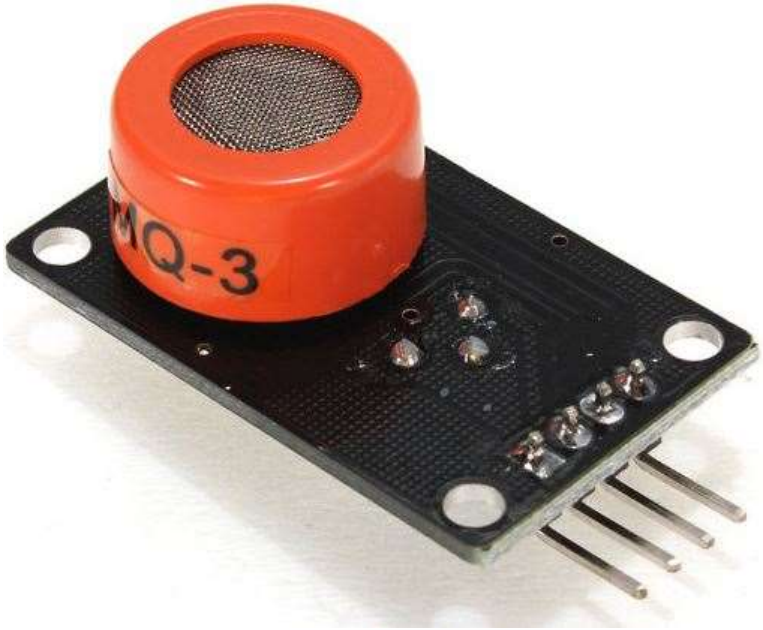
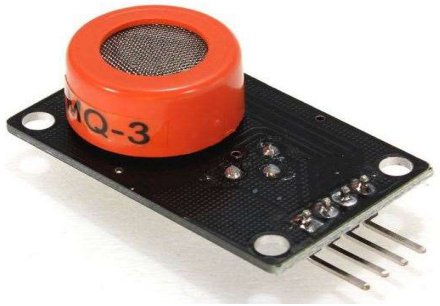
Interfacing of MQ-3 [Alcohol Sensor]



MQ-3 [Alcohol Sensor]

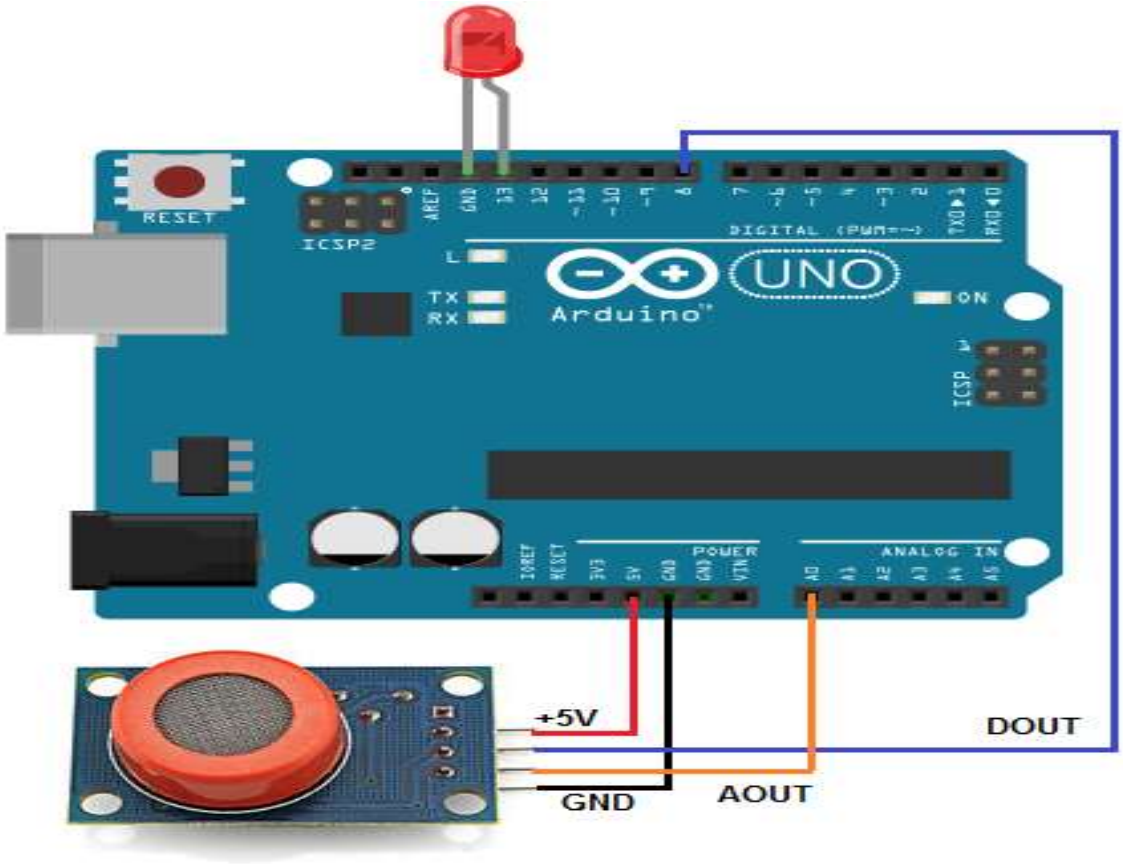
- This is a sensor that is not only sensitive to alcohol, particularly ethanol, which is the type of alcohol which is found in wine, beer, and liquor.
- This type of sensor circuit can be used as a breathalyzer to check a person's blood alcohol level. Just as we exhale carbon dioxide when we breathe out, we also will breathe out some alcohol if we have alcohol in our blood.
- The more ethanol in your blood, the more there is in the air on exhalation. This alcohol content gives a good indication for if a person is drunk and how drunk they are.



Components Required

- Arduino UNO
- MQ-3 [Alcohol Sensor]
- LED
- Jumper Wires

Connection Diagram



Connections

- Connect **Vcc** of MQ-3 with +5 V of Arduino UNO.
- Connect **DOUT** of MQ-3 with pin 8 of Arduino UNO.
- Connect **AOUT** of MQ-3 with A0 of Arduino UNO.
- Connect **GND** of MQ-3 with GND of Arduino UNO.
- Connect positive pin of LED with pin 13 of Arduino UNO and LED's negative with GND of Arduino UNO.

1 = +5V
2 = DOUT
3 = AOUT
4= GND

After uploading done

- Open Serial Window at the upper-right hand corner of the Arduino IDE, when no gas is detected, the sensor will export 1(high voltage) to the serial monitor and the LED will be turned on.
- When gas generated by the lighter nears the sensor, it will export 0 (low voltage) and the LED will turn off.

Project Link :