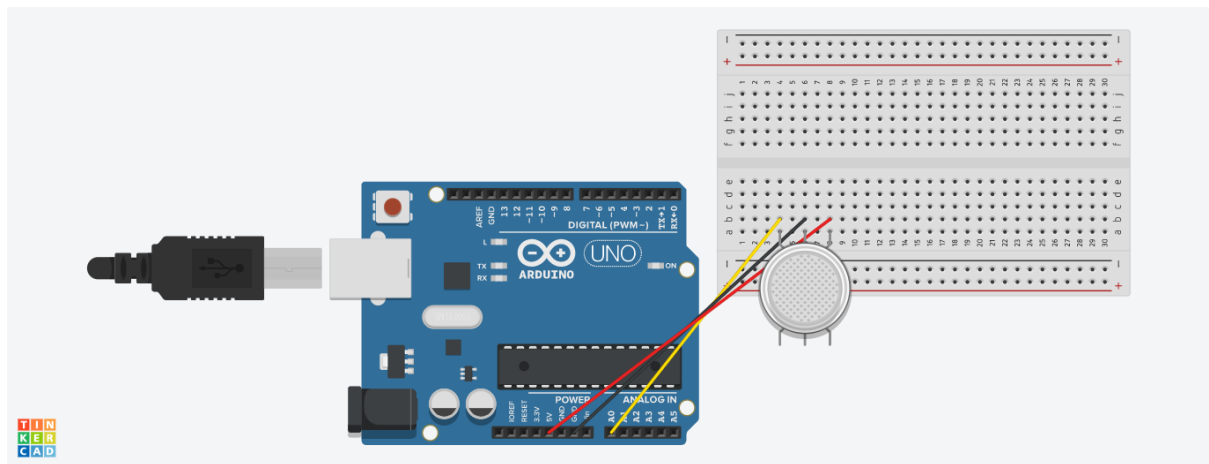
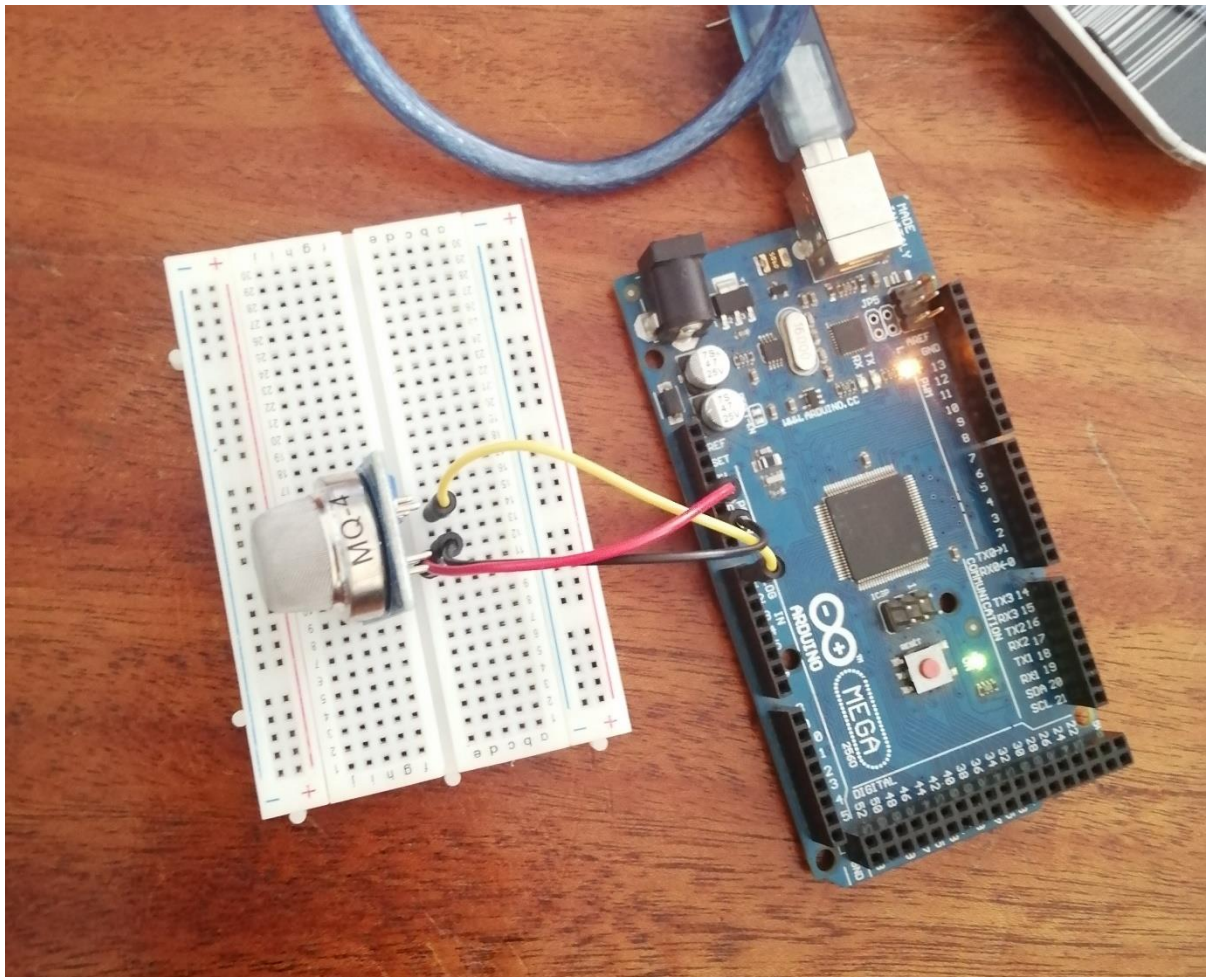


## SCHEMATIC DIAGRAM



## PHOTO OF THE CIRCUIT



## CODE

```
int airquality = 0;

void setup() {
  Serial.begin(9600);
}

void loop()
{
  int sensorValue = analogRead(A0);

  Serial.print("Air Quality of this room is = ");

  Serial.print(sensorValue);

  Serial.print("*PPM");

  Serial.println();

  delay(1000);
}
```

## CHALLENGES FACED

1. Modelling using tinkercard (Specifically finding components like the MQ-4 Gas sensor).
2. Poor network connection. (WI-FI).

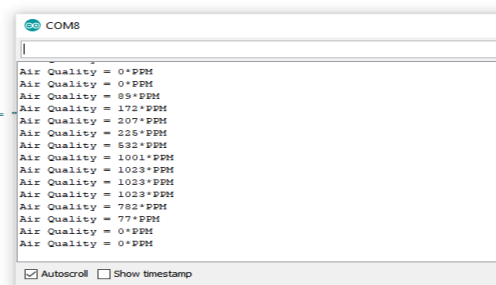
## REFERENCE

<https://www.instructables.com/id/Air-Quality-Check-With-Arduino-Uno/>

## WHAT WORKED

The sensor was able to read the air quality providing results in PPM on the serial monitor.

```
int airquality = 0;
void setup()
{
  Serial.begin(9600);
}
void loop()
{
  int sensorValue = analogRead(A0);
  Serial.print("Air Quality of this room is = ");
  Serial.print(sensorValue);
  Serial.print("*PPM");
  Serial.println();
  delay(1000);
}
```



Sketch uses 2312 bytes (0% of program storage space. Maximum is 263952 bytes.  
Global variables use 208 bytes (2% of dynamic memory, leaving 7984 bytes for local variables. Maximum is 8192 bytes.