Experiment-8

NAME: Rajdeep Jaiswa UID: 20BCS2761 SECTION: 902/B BRANCH: B.E CSE

SUBJECT: IOT LAB Subject Code: 20CSP-358

Aim: Interfacing Air Quality Sensor (MQ135), displays data on LCD.

Components Required:

You will need the following components

- 1 × Breadboard
- 1 × Arduino Uno R3
- 1 × MQ 135 Ai rQuality Sensor Module
- 1×LED
- 1×LCD
- $1 \times 330\Omega$ Resistor
- 2 × Jumper

Theory:

Air Quality Sensor:

MQ-135 sensor belongs to the MQ series that are used to detect different gasses present in the air. The MQ-135 sensor is used to detect gases such as NH3,NOx, alcohol, Benzene, smoke,CO2 ,etc. steel exoskeleton houses a sensing device within the gas sensor module.

Code:

```
int sensorValue;
int digitalValue;
void setup()
{
   Serial.begin(9600); // sets the serial port to
   9600 pinMode(13, OUTPUT) pinMode(2,
   INPUT);
```

Output:-





