



DEPARTMENT OF

COMPUTER SCIENCE & ENGINEERING

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EXPERIMENT – 3.1

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Branch: CSE

Section/Group: DM_608-A

Semester: 6th

Subject Name: IOT LAB

Subject Code: 20CSP-358

1. Aim:

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

2. Apparatus:

Components Required:

You will need the following components

- 1 × Arduino Uno R3
- 1 × MQ 135 Air Quality Sensor Module
- 4 × Jumper

3. 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, NO_x, alcohol, Benzene, smoke, CO₂, etc. steel exoskeleton houses a sensing device within the gas sensor module.

This sensor has 4 pins:

- 5V: Module power supply – 5 V
- GND: Ground
- DOUT: Digital output
- AOUT: Analog output

4. Code-



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