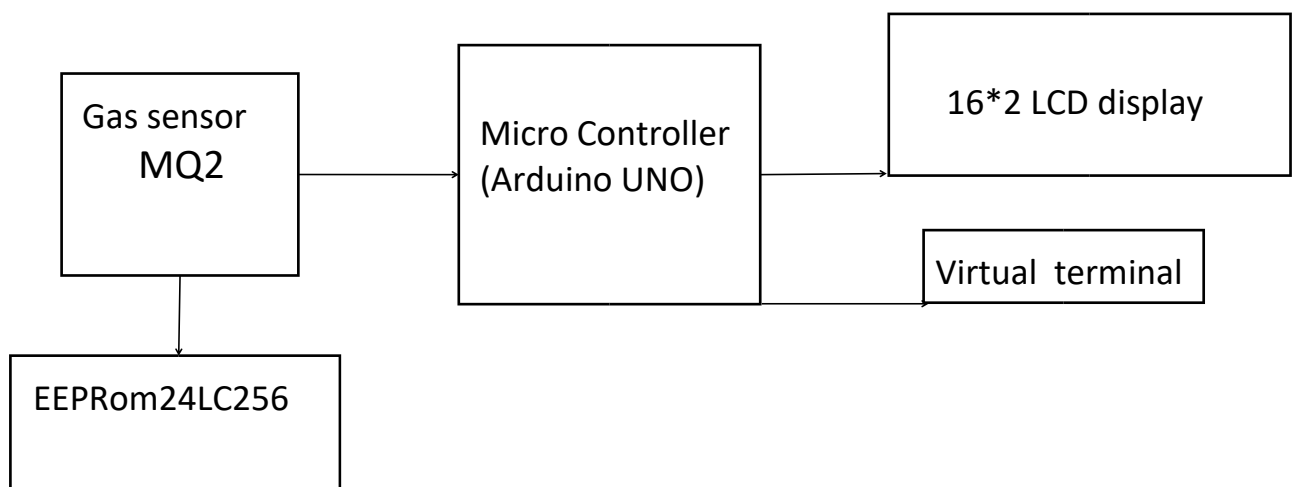# EEPROM Based Industry Level project

Objective: Design a production or object counter and display daetails on 20*4LCD. Use two push buttons for good and bad product . on lacd show the total object count and good and bad object count.

Description: This project is mostly applied in product designed company to know the efficient product of a particular company. In this we use EEPROM which is used to retain data incase of power loss . while the user press the good product button It has to increase the count of good product other wise increment bad product count if pressed bad product button. Finally display number of the total product and good,bad product count.

Required Components: Arduino UNO,2 Gas sensor, virtual   Terminal , pushbuttons,2logic state buttons,resistors

Block Diagram:

```
┌─────────────┐          ┌──────────────────┐        ┌─────────────────┐
│ Gas sensor  │          │ Micro Controller │        │ 16*2 LCD display│
│    MQ2      │─────────▶│  (Arduino UNO)   │───────▶│                 │
│             │          │                  │        └─────────────────┘
└──────┬──────┘          └──────────────────┘        ┌─────────────────┐
       │                                             │ Virtual terminal│
       ▼                                             └─────────────────┘
┌─────────────┐
│EEPRom24LC256│
│             │
└─────────────┘
```

Flow Chart:

START

Initialization of 16*2 LCD, gassensor, eeprom, Virtual terminal

Run the circuit

Display on lcd (given in the code)

Press the logic state

Good product → Increment the good product count

Bad product → Incrment the bad product count

Display the total count and good and pad product count

END