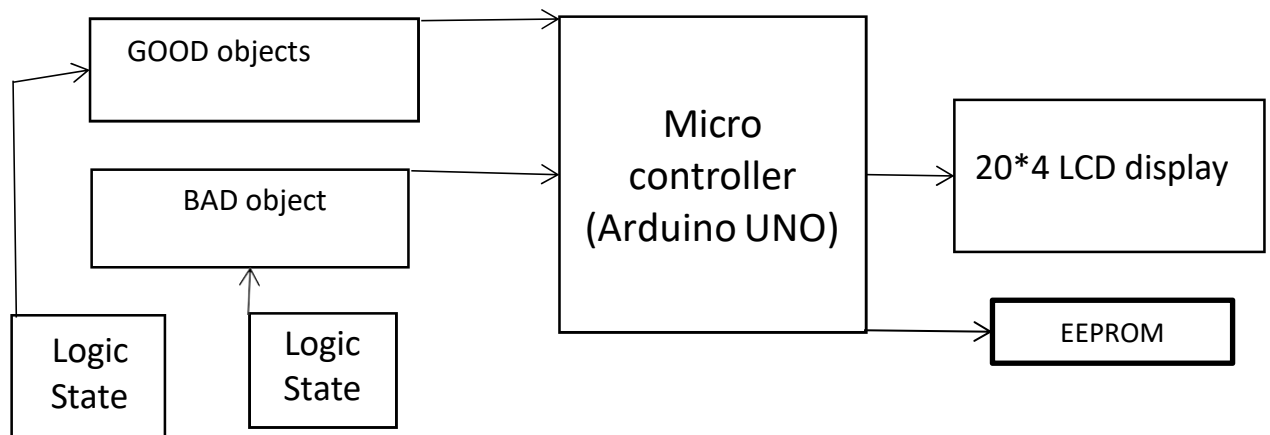


OBJECT COUNTER

Objective: Design a object counter and display details on a 20*4 LCD display, use 2 push buttons for GOOD and BAD objects on LCD show Total objects, GOOD objects and BAD objects.

Components Required: Arduino UNO,
20*4 LCD display,
GOOD Product
And BAD product,
24LC256 EEPROM,
Virtual Terminal,
Push buttons,
Power supply,
Ground

Block Diagram:



Description: Design an object counter using Arduino UNO Micro controller. And also using 20*4 LCD display module to display the total count , GOOD products count and BAD products count. Store the count in 24LC256 EEPROM, EEPROM is used to Retain data in case of power loss or restart. Detect good products and bad products, And display it on 20*4 LCD display.

INPUTS AND OUTPUTS:

S.NO	Description	Name	Type	Data Direction	Spec	Remarks
1	LCD Reset Pin	RS	OUT	DO	5vdc	Active High
2	LCD Enable Pin	E	OUT	DO	5vdc	Active High
3	LCD Data Pin 1	D4	OUT	DO	5vdc	Active High
4	LCD Data Pin 2	D5	OUT	DO	5vdc	Active High
5	LCD Data Pin 3	D6	OUT	DO	5vdc	Active High
6	LCD Data pin 4	D7	OUT	DO	5vdc	Active High
7	Good Product pin	D0	INP	DI	5vdc	Active High
8	Bad product pin	D1	INP	DI	5vdc	Active High

Flow Chart:

