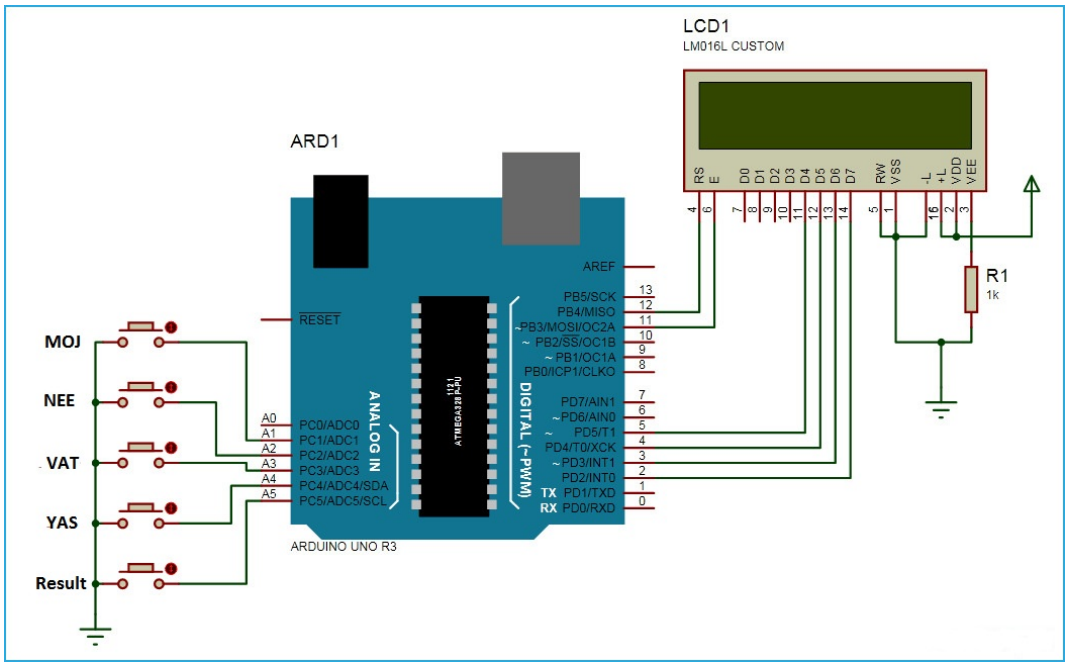
Project Name: SMART ELECTRONIC VOTING MACHINE

Group No: 6 Roll No: 13,19,21,25

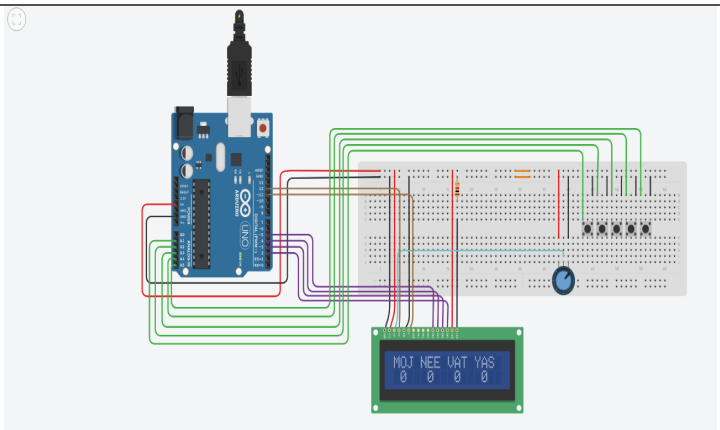
Circuit Diagram:



Components:

NAME	QUANTITY	COMPONENTS	COST(Rs)
U1	1	ARDUINO UNO R3	400
U2	1	LCD 16*2	200
RPORT1	1	250KΩ POTENTIOMETER	65
S1 S2 S3 S4 S5	5	PUSHBUTTON	50
R1	1	1KΩ RESISTER	5
B1	1	Breadboard	120
W1	25	Jumper Wires (Connection)	45
		TOTAL COST	**885/-**

Software: **TINKERCAD**: https://www.tinkercad.com



Code:

```
//Arduino based EVM Code
#include<LiquidCrystal.h>
LiquidCrystal lcd(12, 11, 5, 4, 3, 2);
#define sw1 15
#define sw2 16
#define sw3 17
#define sw4 18
#define sw5 19
int vote1=0;
int vote2=0;
int vote3=0;
int vote4=0;
int age1=25;
int age2=32;
int age3=45;
int age4=60;
void setup()
{
 pinMode(sw1, INPUT);
 pinMode(sw2,INPUT);
 pinMode(sw3,INPUT);
 pinMode(sw4,INPUT);
 pinMode(sw5,INPUT);
 lcd.begin(16, 2);
 lcd.print("Digital Voting");
 lcd.setCursor(0,1);
 lcd.print("Machine ");
 delay(3000);
 digitalWrite(sw1, HIGH);
 digitalWrite(sw2, HIGH);
 digitalWrite(sw3, HIGH);
 digitalWrite(sw4, HIGH);
 digitalWrite(sw5, HIGH);
 lcd.clear();
  vote3++;
  while(digitalRead(sw3)==0);
 if(digitalRead(sw4)==0)
 lcd.setCursor(0,0);
 lcd.print("MOJ");
 lcd.setCursor(4,0);
 lcd.print("NEE");
 lcd.setCursor(8,0);
 lcd.print("VAT");
 lcd.setCursor(12,0);
 lcd.print("YAS");
}
void loop()
{
 lcd.setCursor(0,0);
 lcd.print("MOJ");
 lcd.setCursor(1,1);
 lcd.print(vote1);
 lcd.setCursor(4,0);
 lcd.print("NEE");
 lcd.setCursor(5,1);
 lcd.print(vote2);
 lcd.setCursor(8,0);
 lcd.print("VAT");
  lcd.setCursor(9,1);
 lcd.print(vote3);
 lcd.setCursor(12,0);
 lcd.print("YAS");
 lcd.setCursor(13,1);
 lcd.print(vote4);
 if(digitalRead(sw1)==0)
  vote1++;
  while(digitalRead(sw1)==0);
 if(digitalRead(sw2)==0)
  vote2++;
  while(digitalRead(sw2)==0);
 if(digitalRead(sw3)==0)
  }
   else
   {
```

```
   vote4++;
   while(digitalRead(sw4)==0);
  if(digitalRead(sw5)==0)
  {
   int vote=vote1+vote2+vote3+vote4;
   if(vote)
   {
    if((vote1 > vote2 && vote1 > vote3 &&
vote1 > vote4))
    {
     lcd.clear();
     lcd.print("MOJES Wins");
     delay(5000);
     lcd.clear();
  }
    else if((vote2 > vote1 && vote2 > vote3
&& vote2 > vote4))
    {
     lcd.clear();
     lcd.print("NEERAJ Wins");
     delay(5000);
     lcd.clear();
    }
    else if((vote3 > vote1 && vote3 > vote2
&& vote3 > vote4))
    {
     lcd.clear();
     lcd.print("VATSAL Wins");
     delay(5000);
     lcd.clear();
    }
   else if(vote4 > vote1 && vote4 > vote2 &&
vote4 > vote3)
   {
     lcd.setCursor(0,0);
     lcd.clear();
     lcd.print("YASH Wins");
     delay(5000);
     lcd.clear();
   }
    else if(vote4 > vote1 && vote4 > vote2 &&
vote4 > vote3)
   {
     lcd.setCursor(0,0);
     lcd.clear();
     lcd.print("YASH Wins");
     delay(5000);
     lcd.clear();
     lcd.clear();
     lcd.print("   Tie Up   ");
     lcd.setCursor(0,1);
     lcd.print("   No Result   ");
     delay(5000);
     lcd.clear();
     if(age1 > age2 && age1 > age3 && age1 >
age4)
     {
      lcd.clear();
      lcd.print("  Mojes Wins  ");
      delay(5000);
     }
     else if(age2 > age1 && age2 > age3 &&
age2 > age4)
     {
      lcd.clear();
      lcd.print("  Neeraj Wins  ");
      delay(5000);
     }
      else if(age3 > age1 && age3 > age2 &&
age3 > age4)
     {
      lcd.clear();
      lcd.print("  Vatsal Wins  ");
      delay(5000);
     }
      else if(age4 > age1 && age4 > age3 &&
age4 > age2)
     {
      lcd.clear();
      lcd.print("  Yash Wins  ");
      delay(5000);
     }
    }
   }
    else
    {
     lcd.clear();
     lcd.print("No Voting....");
     delay(5000);
     lcd.clear();
    }
    vote1=0;vote2=0;vote3=0;vote4=0,vote=0;
    lcd.clear();
  }
}
```

Reference	1. https://how2electronics.com 2. https://linuxhint.com 3. https://circuitdigest.com