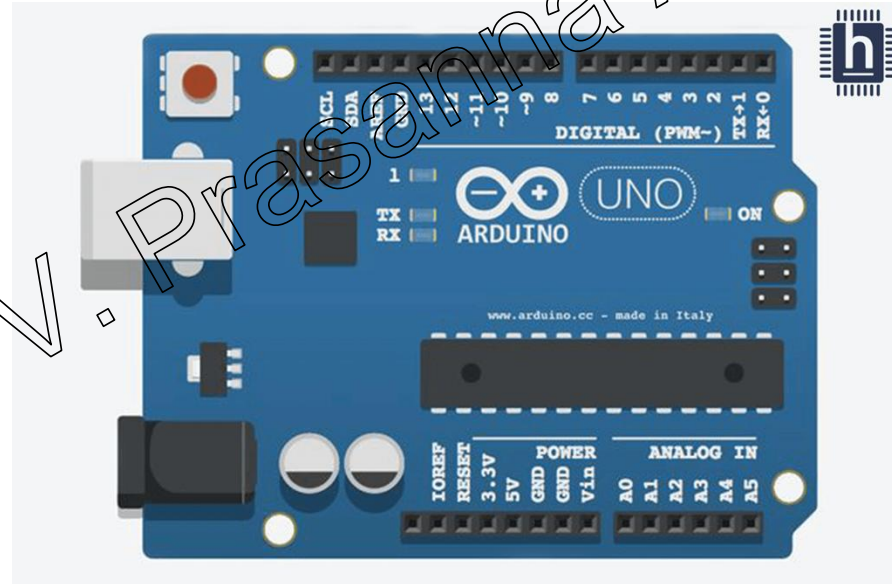


LCD_Pushbutton_Counte

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LCD_Pushbutton_Counter by Dr. GVP

Apparatus

1.PC with Arduino IDE

2.Arduino UNO Board

3.USB cable

4.LCD[16X2)

5.Bread board

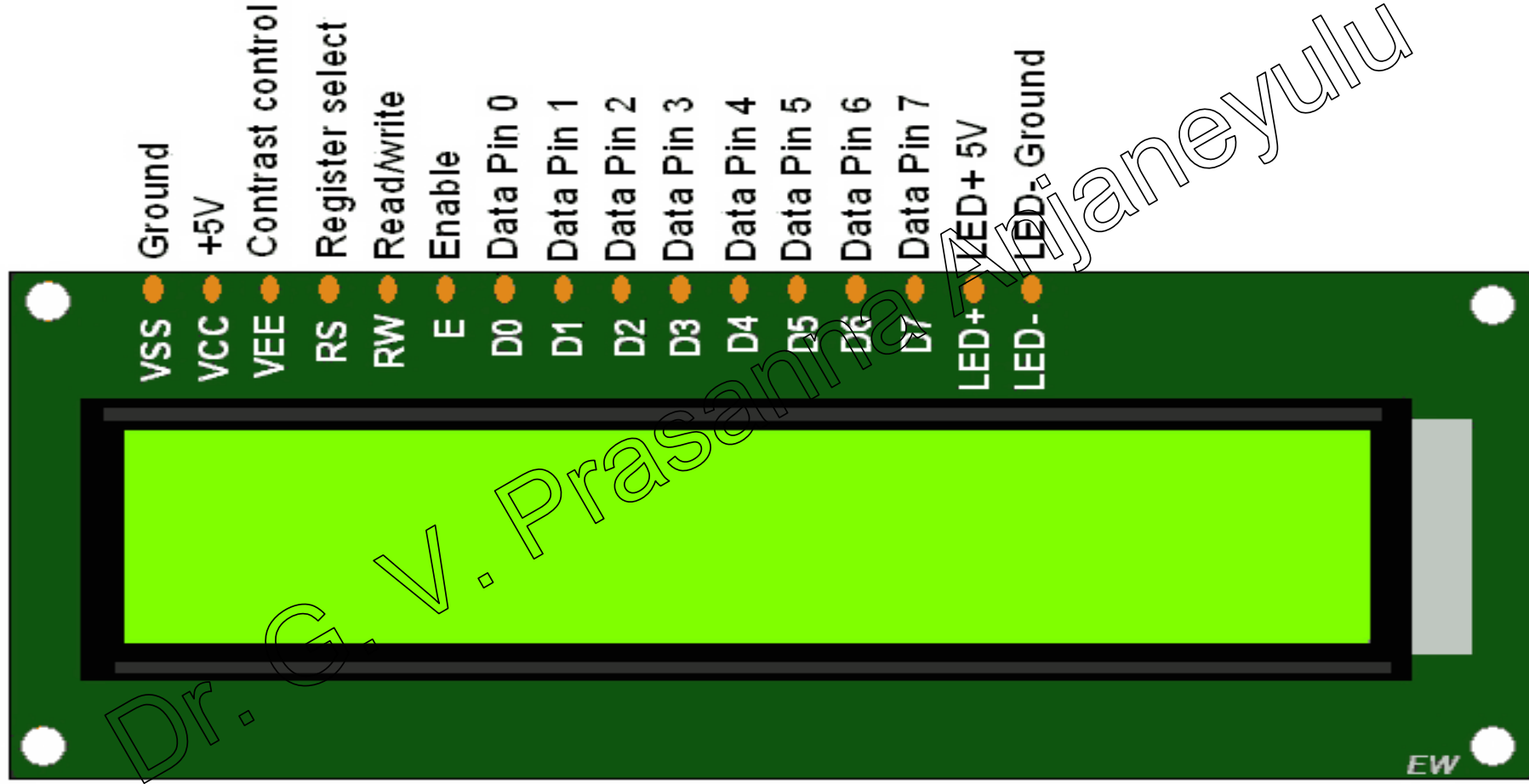
6. Resistors -2

7.Jumper wires

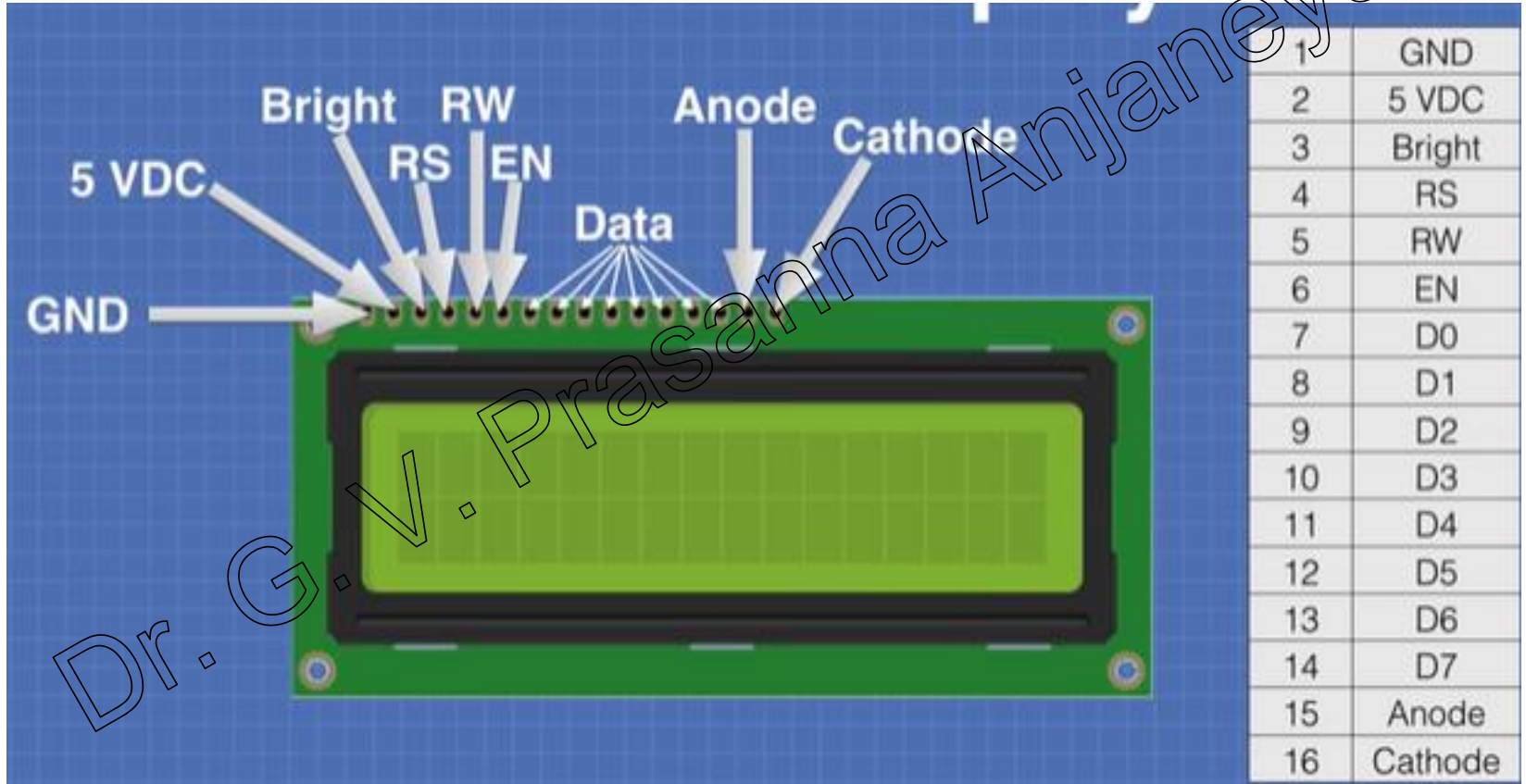
8.Potentiometer

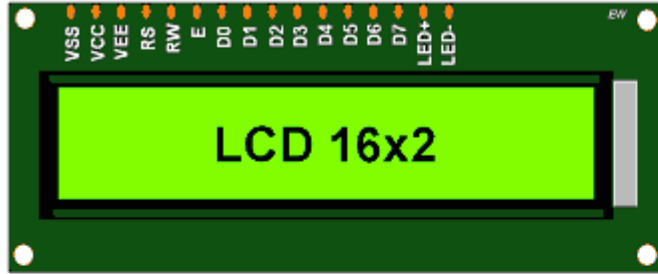
9.Pushbutton

Dr. G. V. Prasanna Anjaneyulu



LCD1602 Display

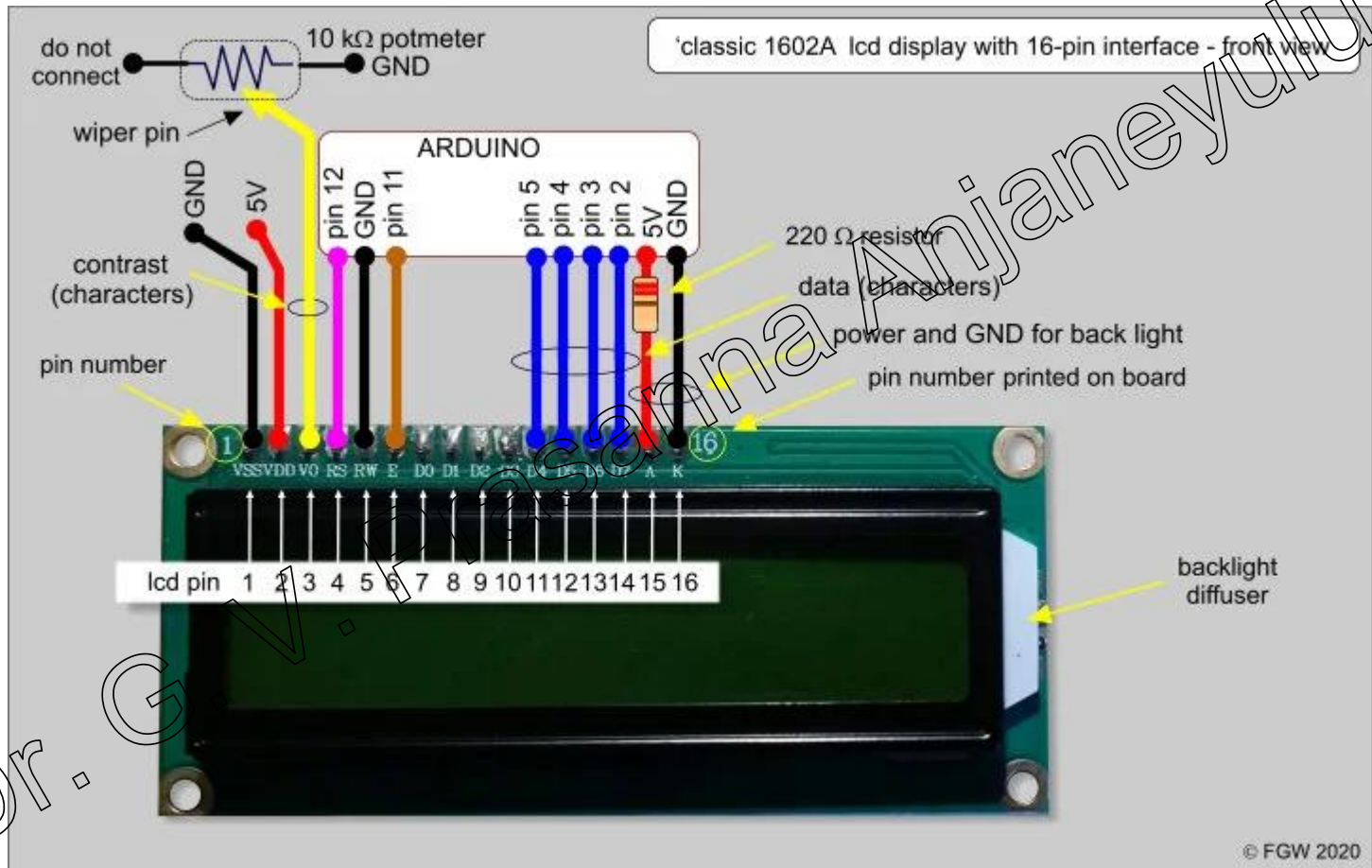




No.	PIN	Function
1	VSS	Ground
2	VCC	+5 Volt
3	VEE	Contrast control 0 Volt: High contrast.

No.	PIN	Function
4	RS	Register Select 0: Command Reg. 1: Data Reg.
5	RW	Read / write 0: Write 1: Read
6	E	Enable H-L pulse
7-14	D0 - D7	Data Pins D7: Busy Flag Pin
15	LED+	+5 Volt
16	LED-	Ground

EW



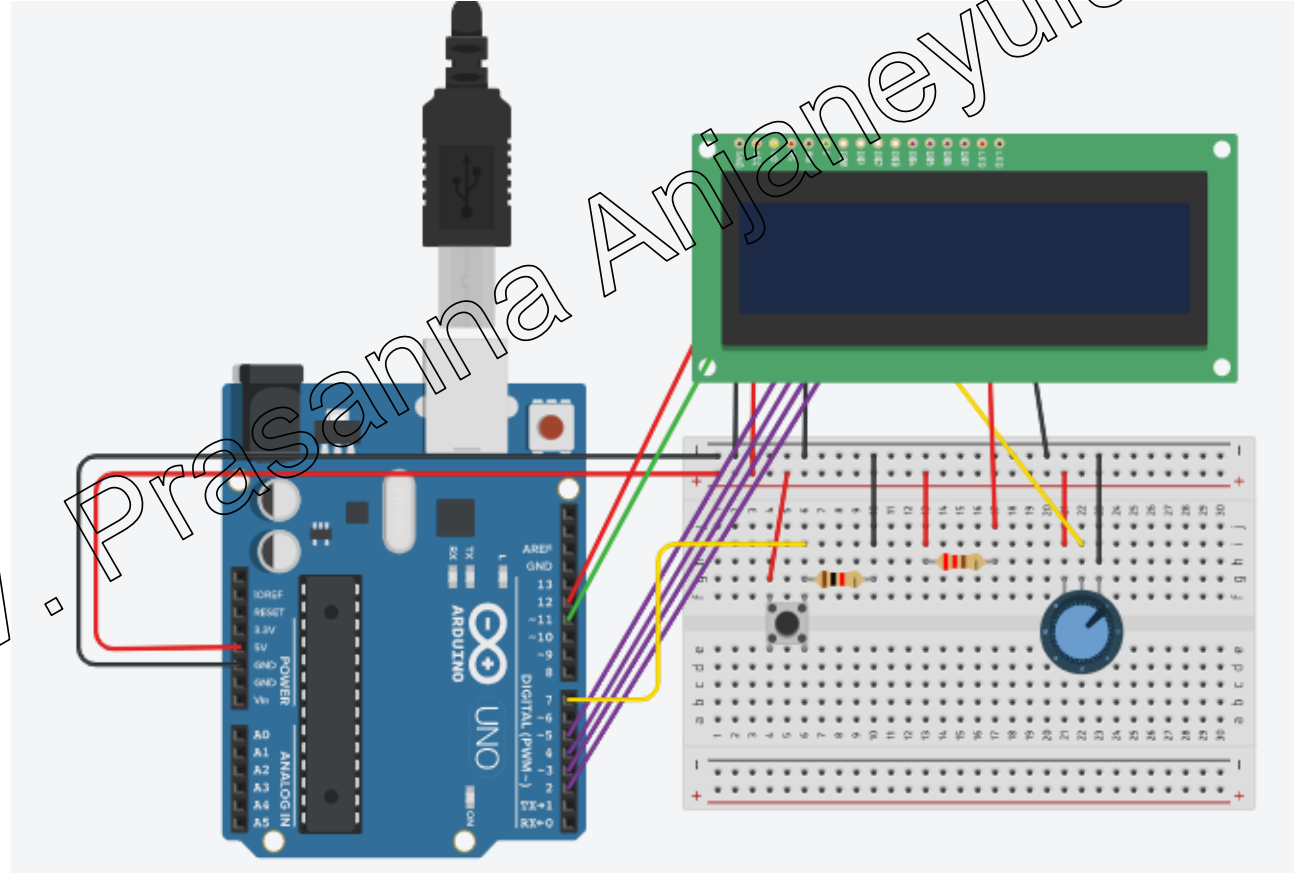
LiquidCrystal lcd(12,11,5,4,3,2);

Register Select

Enable LCD

Data pins

Implementation



LCD_Pushbutton_Counter by Dr. GVP

Program

```
// program for LCD_interfacing_with_pushButton
#include<LiquidCrystal.h>
LiquidCrystal lcd(12,11,5,4,3,2);//RS,E,D4,D5,D6,D7
int count=0;
void setup()
{
  pinMode(7,INPUT);
  lcd.clear();
  lcd.begin(16,2);
}

void loop()
{
  if(digitalRead(7)==HIGH);
  {
    lcd.setCursor(0,0);
    lcd.print(count++);
    while(digitalRead(7)==HIGH);
  }
}
```