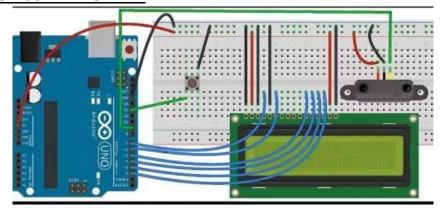
PROJECT DIGITAL TACHOMETER USING IR SENSOR, ARDUINO AND LCD

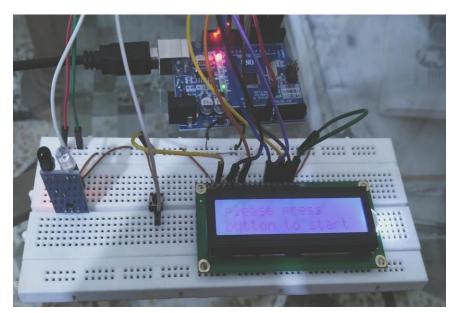
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CIRCUIT DIAGRAM:





CODE:

#include <LiquidCrystal.h>

LiquidCrystal lcd(7,6,5,4,3,2);

```
int sensor=9; int start=12; int
delay1()
{ int
i,j;
 unsigned int count=0;
for(i=0;i<800;i++)
 {
  for(j=0;j<800;j++)
  {
   if(digitalRead(sensor))
   {
    count++;
while(digitalRead(sensor));
   }
  }
 }
 return count;
}
void setup() {
 // put your setup code here, to run once:
pinMode(sensor,INPUT);
pinMode(start,INPUT);
pinMode(2,OUTPUT); lcd.begin(16,2);
lcd.print("Measure RPM"); delay(2000);
digitalWrite(start,HIGH);
```

```
}
void loop() {
 // put your main code here, to run repeatedly:
unsigned int time=0,RPM=0;
lcd.clear(); lcd.print("please
press"); lcd.setCursor(0,1);
lcd.print("button to start");
while(digitalRead(start));
lcd.clear();
lcd.print("reading RPM---");
time=delay1();
lcd.clear(); lcd.print("please
wait...");
RPM=time;
delay(2000);
lcd.clear();
lcd.print("RPM=");
```

lcd.print(RPM); delay(6000);

}