# Sakshi Srivastava
# 1BM18CS090

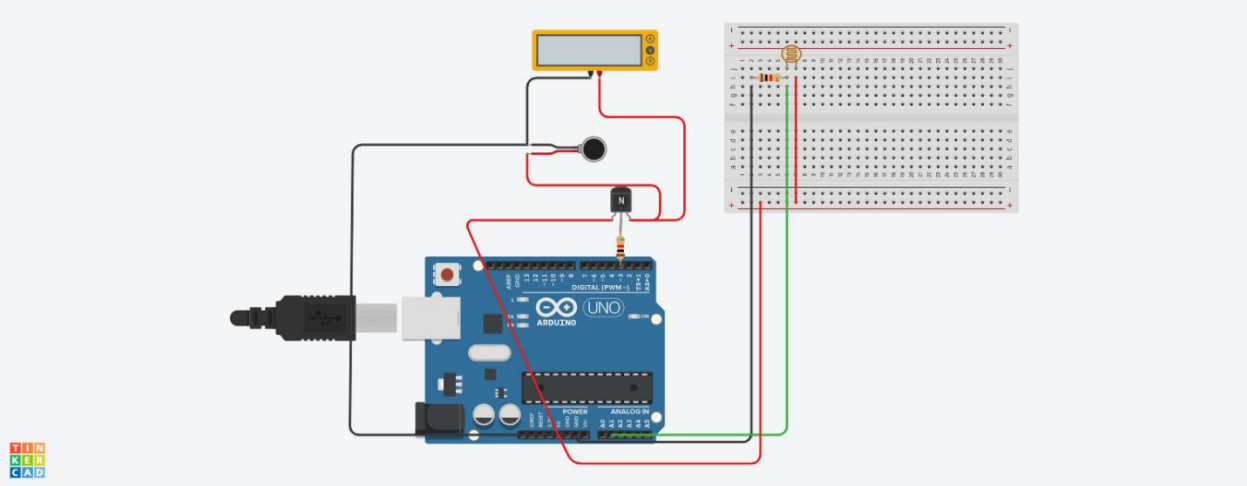
## PROGRAM TITLE: VIBRATOR MOTOR

**Aim:** DESIGN AUTOMATED DAY INDICATOR SYSTEM(VIBRATOR MOTOR AND LDR)

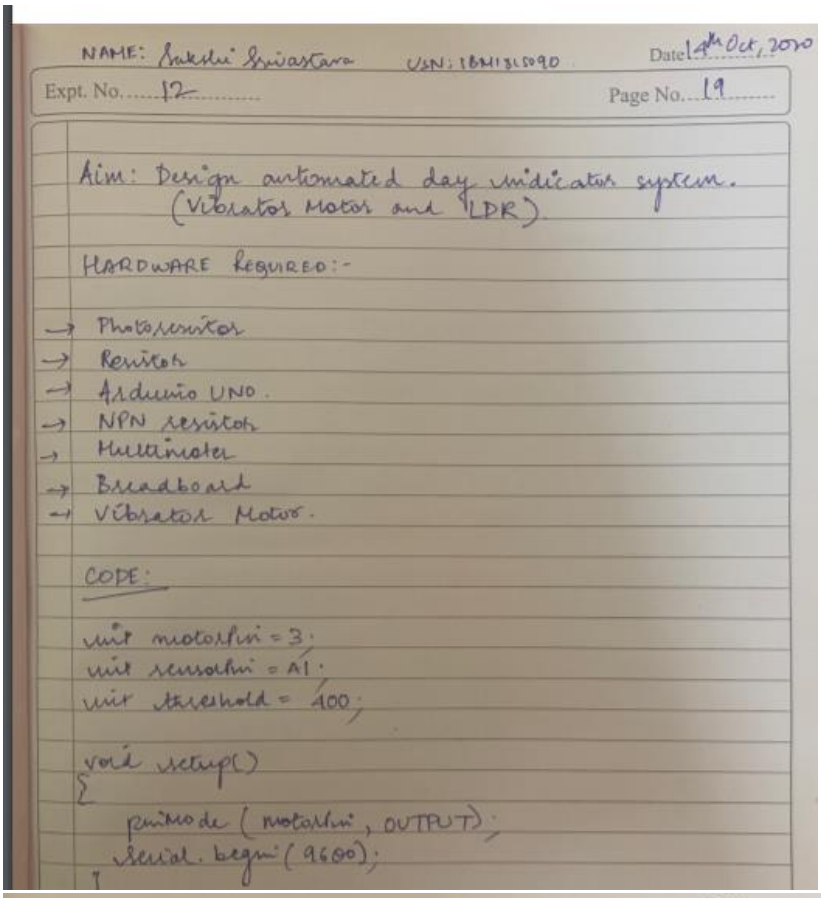
**Hardware Required:**

- Photoresistor
- Resistor, LED
- Breadboard, Arduino UNO
- Multimeter
- npn resistor, Vibrator Motor

**Circuit Diagram:**



Write-Up:



NAME: Sakshi Srivastava USN: 1BM13IS090 Date: 14th Oct, 2020

Expt. No. 12 Page No. 19

Aim: Design automated day indicator system. (Vibrator Motor and LDR).

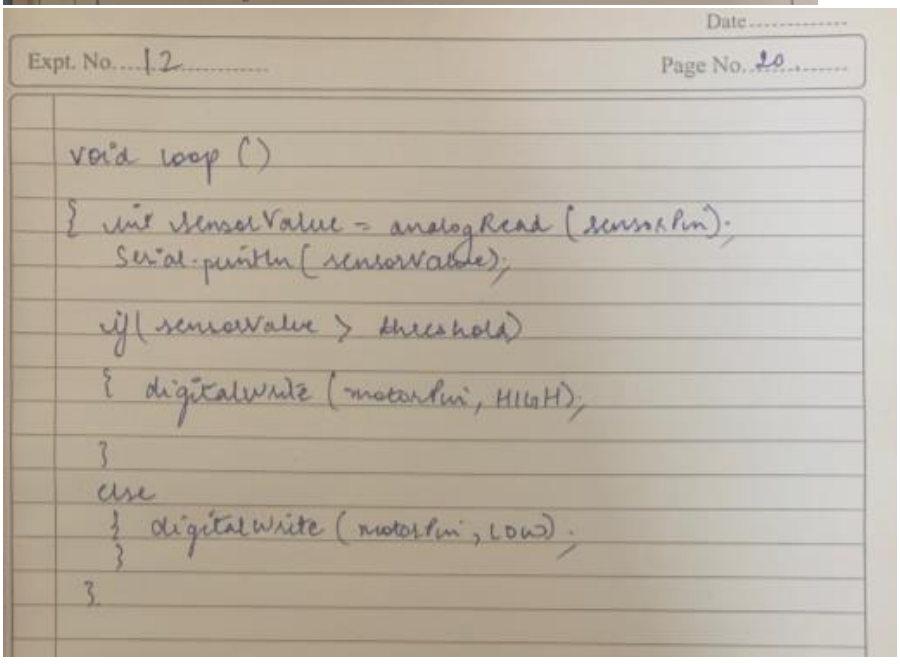
HARDWARE REQUIRED:-

→ Photoresistor
→ Resistor
→ Arduino UNO.
→ NPN resistor
→ Multimeter
→ Breadboard
→ Vibrator Motor.

CODE:

```
int motorPin = 3;
int sensorPin = A1;
int threshold = 400;

void setup()
{
  pinMode (motorPin, OUTPUT);
  Serial.begin (9600);
}
```



Date

Expt. No. 12 Page No. 20

```
void loop ()
{ int sensorValue = analogRead (sensorPin);
  Serial.println (sensorValue);

  if (sensorValue > threshold)
  { digitalWrite (motorPin, HIGH);
  }
  else
  { digitalWrite (motorPin, LOW);
  }
}
```

## CODE:

```
int motorPin = 3;
int sensorPin = A1;
int threshold = 400;

void setup()
{
        pinMode(motorPin,
OUTPUT);
        Serial.begin(9600);
}

void loop()
{
        int sensorValue =
        analogRead(sensorPin);
        Serial.println(sensorValue);
        if(sensorValue > threshold)
        {

        digitalWrite(motorPin,
HIGH);
        }
        else
        {

        digitalWrite(motorPin,LOW);
        }
}
```

## OBSERVATION/OUTPUT:

If sensor value>threshold it displays HIGH else LOW.