Name – Parag Gattani

Program No. – 11

Program Title – Vibration motor and LDR

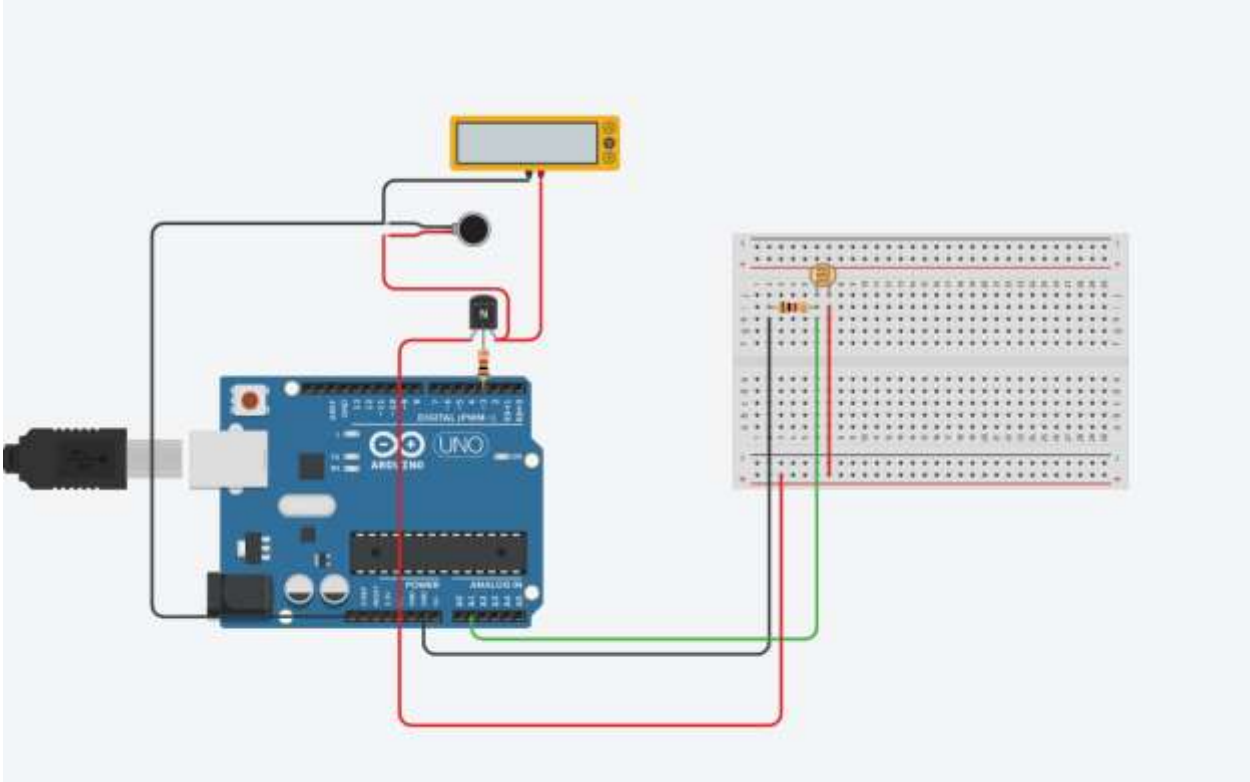
AIM

To design an automated day indicator system.

HARDWARES REQUIRED

- Arduino Board
- NPN Transistor
- Resistor
- Vibration motor
- Multimeter
- Photoresistor

CIRCUIT DIAGRAM



WRITE-UP

Name - Parag Gattani
USN - 1BM18CS067

14/10/2020

Exp.

Vibration Motor and LDR

Aim

Design an automated day indicator system.

Hardwares Required

NPN Transistor, resistor, Vibration Motor, Multimeter, Photo resistor, Arduino Board

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); }
}
```

CODE

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int motorPin = 3;
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void loop()
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        int sensorValue = analogRead(sensorPin);
        Serial.println(sensorValue);
        if(sensorValue > threshold)
        {
                digitalWrite(motorPin, HIGH);
        }
        else
        {
```

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

OUTPUT

Designed an automated day indicator system.