Name – Shreya Laddha

Program No. – 11

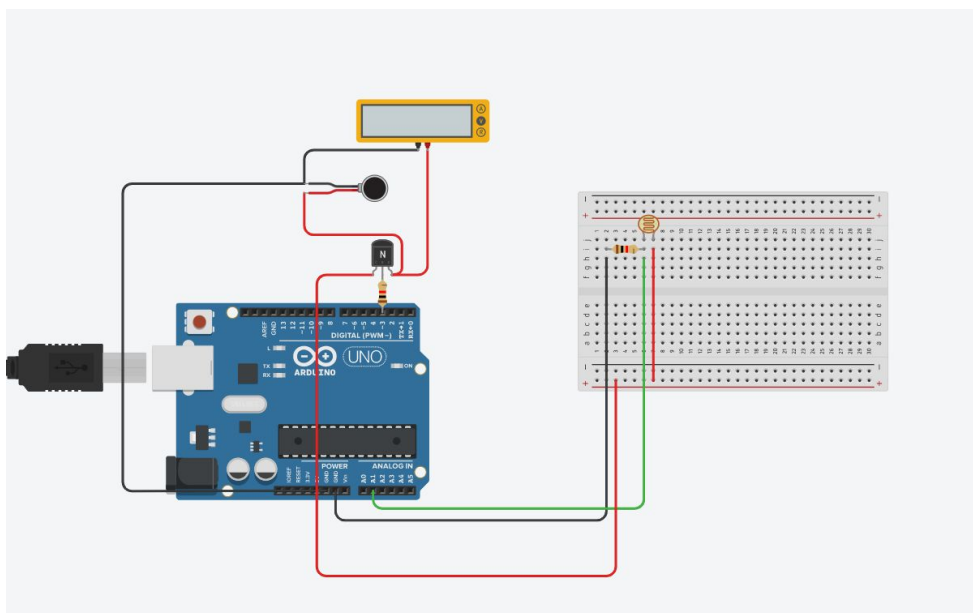Program Title – Vibration motor and LDR

AIM

To design an automated day indicator system.

HARDWARES REQUIRED

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

CIRCUIT DIAGRAM

WRITE-UP

PFA

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);

        }

    }
```

OUTPUT

Designed an automated day indicator system.