

PROGRAM 11 : VIBRATION MOTOR @ LDR

AIM : Design an automated day indicator

Hardware Required : ARDUINO UNO, breadboard, LDR, NPN transistor, multimeter, resistors

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 (3, HIGH);
    }
    else {
        digitalWrite (3, LOW);
    }
    delay (1000);
}
```

Output : Designed an automated day indicator system