

**Assignment -1**  
Smart home appliances

Assignment Date	09 September 2022
Student Name	Mr. Kogila
Student Roll Number	422119106003
Maximum Marks	2 Marks

TASK:

SMART HOME APPLIANCES

**PROJECT:**

**NEAT MIGELO**

**CODE:**

```
const int relayPin = 13;
```

```
const int ldrPin = A0;
```

```
void setup() {
```

```
  Serial.begin(9600);
```

```
  pinMode(relayPin,  
  OUTPUT);
```

```
  pinMode(ldrPin,  
  INPUT);
```

```
}
```

```
void loop() {
```

```
  int ldrStatus =  
  analogRead(ldrPin);
```

```
  if (ldrStatus <=400) {
```

```
    digitalWrite(relayPin,  
    LOW);
```

```
    Serial.println("LDR is  
    DARK, LED is ON");
```

```
}
```

```

else {

digitalWrite(relayPin,
HIGH);

Serial.println("-----
-----");

}

}

```

## CIRCUIT:

