```cpp
int ldrPin = 34; // Use A0 for NodeMCU or GPIO34 for ESP32

int ledPin = 4;  // Built-in LED or connect to relay


void setup() {

  Serial.begin(115200);

  pinMode(ledPin, OUTPUT);

}


void loop() {

  int lightLevel = analogRead(ldrPin);

  Serial.println(lightLevel);


  if (lightLevel < 1000) { // adjust threshold based on your setup

    digitalWrite(ledPin, HIGH); // turn ON light

  } else {

    digitalWrite(ledPin, LOW); // turn OFF light

  }


  delay(500);

}
```