



**SUBJECT : Basic Electrical and Engineering Lab**  
**SUBJECT CODE : ELP 118**

**SUBMITTED BY :**

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**BRANCH : BE CSE(IOT)**

**SECTION : IOT 1 ,GROUP A**

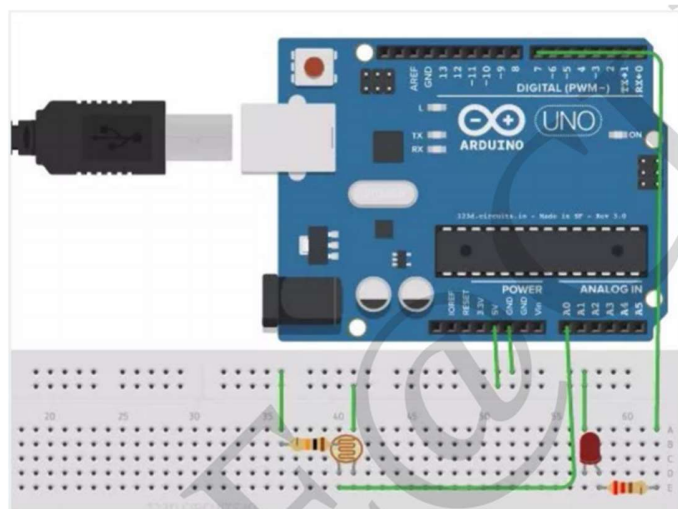
**SUBMITTED TO :**

**ANSHUL SHARMA**

## Exp 8 Design an automatic night lamp.

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### **Circuit Diagram :**



### **THEORY**

For Designing an automatic night lamp. we require an Arduino Uno, Bread Board and LDR (Light detector resistance).

### **Concept Used:**

Whenever the LDR detect the darkness it will make the Led glow. and turn it off when it detects light .

### **Learning and observations:**

We have learned many skill by this experiment

How automatic night lamp works and how these are made and also learned about the circuit connections as well as code used in it .

### **Problem and Troubleshooting:**

Sometime program is compiled successfully but not upload in the Arduino board . It can be over come by checking the selected desired board and the port if not resolved then change the data cable.

**Precautions:**

- 1 Make sure that the area where you are performing the experiment must dry .
- 2 Make sure the board and port both are selected correctly.

**Learning Outcomes:**

Learned new concept i.e. how to make automatic night lamp using LDR and Arduino.