Experiment- 3

Design an automatic night lighting system (with 4 connected led’s) such the system is only activated when the master control switch is pressed. a) Below 50% value of full brightness all LED’s constantly ON. b) Above 50% value of full brightness only first LED is ON.

Theory

Concept used – It is based on the concept of **Photoresistor Sensor**.

Learning and Observations – We observed that in the Photoresistor Sensor the flow of electric current through the **photoresistor** increases when the intensity of light increases.

Precautions – 1. Carefully analyse the proper connection of wire to prevent the short circuit.

2. Check for errors in code on which the circuit is working.

Learning and Outcomes - We learned that in the Photoresistor Sensor the flow of electric current through the **photoresistor** increases when the intensity of light increases.