EXP 14: **Design a system with 5 poles for Highway Lighting such that whenever a car crosses through a pole, the LED installed on it starts blinking (only during night) at a rate twice that of previous pole.**

THEORY:

1. CONCEPT USED:

The concept used in this experiment is of LDR. To blink the light with 2x times faster speed, the moment shadow of the car falls on the LDR, delay is increased by 2x .

1. LEARNING AND OUTCOMES:

When the LDR stops receiving light it increases the speed of blinking by twice.

Problems & Troubleshooting:

The problems were encountered in the coding and while connecting the wires of circuit.

Precautions:

1. We must analyse the circuit carefully before uploading the code to arduino.
2. Analyse the wires carefully after completing the circuit.
3. Check the wires, if they are short circuiting.

Learning Outcomes:

The concept used in this experiment is of LDR. To blink the light with 2x times faster speed, the moment shadow of the car falls on the LDR, delay is increased by 2x.