

IoT Automatic Street Light System

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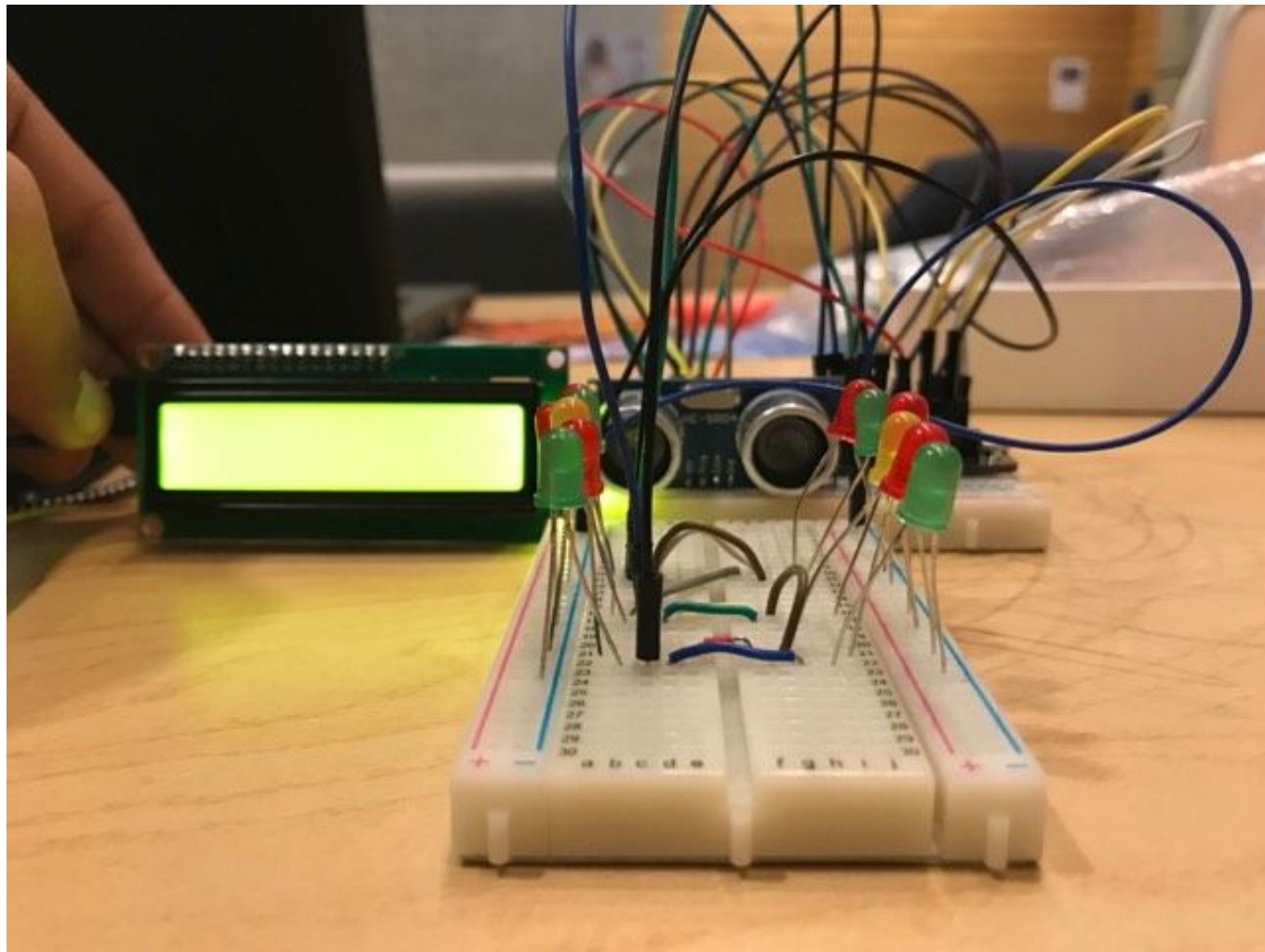
What is the problem?

- Street lights remain on throughout the night, even if a car is not on the road.
- Wasting light, which cost the government millions of dollars.



How does it affect our society?

- Lighting accounts for 10–38% of the total energy bill in typical cities worldwide.
- Street lighting is a critical concern for public authorities in developing countries because of its strategic importance for economic and social stability.
- Inefficient lighting wastes financial resources every year, and poor lighting creates unsafe conditions.
- Energy efficient technologies and design mechanism can reduce cost of the street lighting.



Our Design

- Our design is unique because it uses both a sound sensor and ultrasonic sensor to determine when the leds should turn on and off.
- Our design can be used to address home security as well by reducing energy consumption and saving the homeowner on light bills.
- Our design is especially efficient in roads that are less travelled.

Future Improvements

- The sound sensor can alert the police if there is a car crash because of the impact
- Cameras can be activated with the emergency light to determine if there actually has been a crash.
- This system can be used in school too where if there is a gunshot police can be notified automatically

Thank
you

