# SOLAR STREETS

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# PROBLEM IDENTIFICATION

- Traditional lighting solutions often consume excessive amounts of electricity, leading to unnecessary energy expenditure.
- Existing solar-powered lighting systems often utilize large batteries to store energy for extended periods of darkness.
- Many accidents occur due to poor visibility of animals, particularly during low-light conditions such as dusk and dawn.

# OBJECTIVES

- Enhancing visibility for animals and humans
- Minimizing energy consumption
- Optimizing solar power utilization

# SOLUTION OVERVIEW

- Introduction to Arduino technology
- Description of the proposed device:
  - Selective illumination mechanism
  - Integration with solar power systems

# REQUIREMENTS

- ARDUINO
- INFRARED SENSOR
- LED(Light-Emitting Diode)
- CONNECTING WIRES
- BREADBOARD

# IMPLEMENTATION

- Overview of the implementation process:
  - Components required
  - Assembly instructions
  - Programming the Arduino device

# RESULTS

- Potential outcomes of deploying the device:
  - Reduction in accidents involving animals
  - Energy savings and environmental impact
  - Feedback from initial testing (if available)

# FUTURE DEVELOPMENTS

- Enhanced sensor capabilities
- Integration with smart city initiatives
- Collaboration with wildlife conservation organizations

# CONCLUSION

- Importance of addressing animal safety and energy efficiency
- Call to action for implementing the proposed solution

# THANK YOU

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