

SMART GUJARAT FOR NEW INDIA HACKATHON

Title :- Smart Street Light Management System

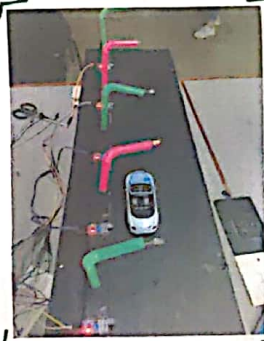
About the Idea

- Switches ON/OFF automatically.
- Smart and energy efficient.
- Keeps the data of all the streetlights.



Before

After



Used Cases

The following prototype can be implemented at multiple places such as:

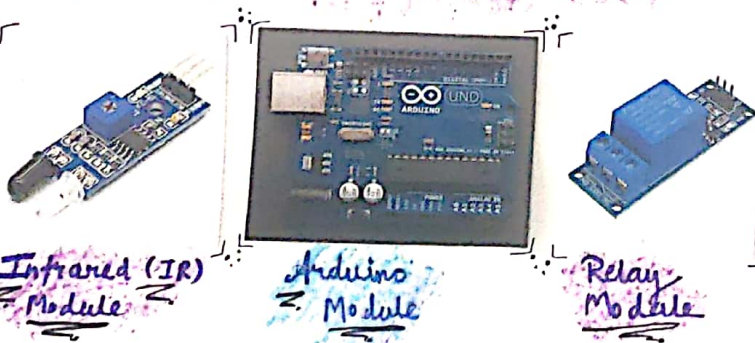
- On Roads and Streets.
- Inside the campuses.
- Underground Basement Parking.
- Flyover and under bridges.

Dependencies

- Proper working of sensors.
- Proper supply of electricity.

Technology Stack

- IR Sensor used to detect the presence of any vehicle or obstacle.
- Arduino UNO Module.
- 5V Relay Module (1 channel).
- Bread Board.



Future Aspects

- Wireless Power Transmission which could further reduce the maintenance cost.
- Cable breaking.
- Use of Non-Conventional sources of energy like solar energy or wind energy even makes it more sustainable.

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