

## **Automatic Street Light Control & Avoid Accident**

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### **ABSTRACT**

Our project is the combination of automatic street light control & avoids accident. The main advantages of this project are it reduces the accident & save energy. In today's world energy saving is very important because we cannot do any work without electricity & this project also reduces the number of accident & save electric energy.

**KEY WORDS:** In automatic street light control & avoid accident following equipment are used: - Register LDR, Sensor (motion detector), Capacitor, Transistor, Four wheeler Toys

### **INTRODUCTION:**

The main consideration in the present field technologies are automation, power consumption & cost effectiveness. Automation is intended to reduce man power with help of intelligent system. Power saving is the main consideration forever as source of the power (Thermal, Hydro etc.) are getting diminished due to various reasons. The main aim of the project is automatic street power saving system with LDR; this is to save the power. We want to save power automatically instead of doing manual. So it's easy to make cost effectiveness. This saved power can be used in some other cases. So in villages, towns etc we can design intelligent system for the usage of street lights.

### **LITERATURE REVIEW:**

In literature review we can say that in the old project we use one strip, when any vehicle goes on the strip then the circuit will be completed & the lamp will be ON. But this is not possible to use strip below the road so we use the sensor & remove these disadvantages of old project. Also in new project we add one another project reduces the accident & save energy.

### **METHODOLOGY:**

In automatic street light control, we are using sensor, that is motion detector, which is connected to street lamp. The lamp ON only when the four wheeler comes in the contact with sensor & save energy. In avoid accident, we also use sensor at the corner when the four wheeler comes at corner it will sense by sensor to other side of corner & the driver of other side corner vehicle will go careful & avoid accident. So in villages, town etc we can design systems for usage of street light.

### **PROJECT DEVELOPMENT:**

To develop this project we are using number of sensor , register , capacitor , transistor , switches etc we do make the ckt in such way that , the sensor output will connect to street light lamp & the lamp will turn ON only when the any vehical comes in the range of sensor & also this sensor are used at corner that is where number of accident chances are more which sense the vehical & turn ON lamp , also reduces the accident & save energy .

### **OBSERVATIONS:**

The observation is that accident will be avoided, life of driver can saved & energy wastage is reduces on the road & energy will be save .

### **CONCLUSION:**

The ASLCS (Automatic Street Light Control System) based light intensity & traffic density, in the today's up growing countries will be more effective in case of cost , man power & security as compare with todays running complicated & complex light controlling system . automatic street light controlling system puts up a very user friendly approach & could increases the power saving .