Abstract

The proposed intelligent street light management system with surveillance optimizes management efficiency of street lighting. Usually street lights are in ON condition for twelve hours per day. Sensors are used to reduce the power consumption also wireless controlling and monitoring system. Street lights can be wirelessly monitored and control with the help of the ZigBee wireless transceiver. The transceiver collects and monitors the total data of particular lamp. Whenever vehicle crosses, the intelligent street light management system, surveillance camera and the street light are switched on and image is captured using surveillance camera. The proposed novel intelligent street light management system with surveillance count and record the number of vehicles crossing the road along with date and time records. If there is any accident happens on the road the recorded information automatically sent to the monitoring system using Global System for Mobile Communications (GSM) and ZigBee.

References

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- Y. Wei, &quot;Design of the new bright lane low organize system,&quot; in Proc. 8th IEEE Int. Conf. Manage.

Index Terms

Computer Science

Circuit And System

Keywords

ARM7   wireless sensors   ZigBee module   Light sensor   IR Sensors   GPRS

GSM modem

Flash magic

relays
Wireless camera.