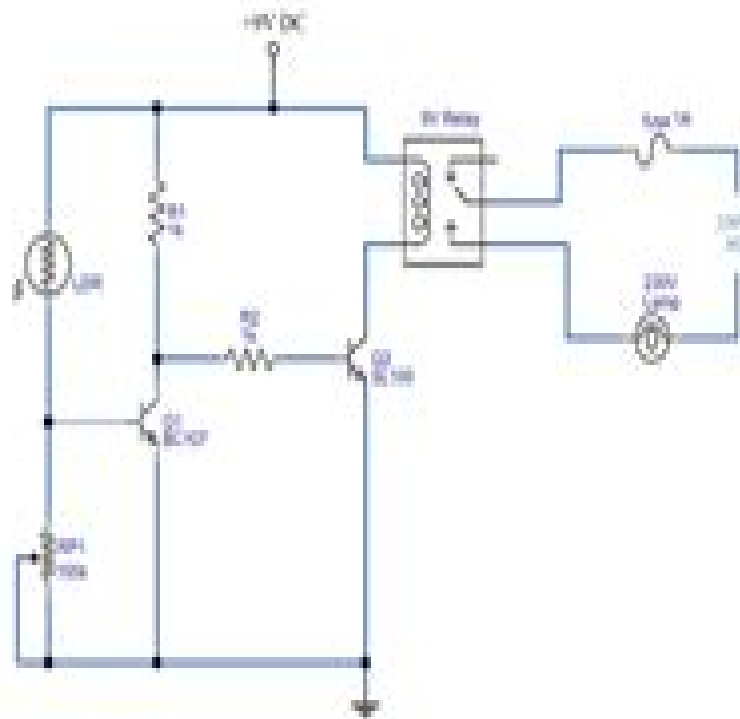


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cloud storage data mining and software analysis It presents the outcomes of the Seventh International Conference on Information and Communication Technology for Intelligent Systems ICTIS 2023 held in Ahmedabad India The book is divided into two volumes It discusses the fundamentals of various data analysis techniques and algorithms making it a valuable resource for researchers and practitioners alike *Control* ,1962 **The Autocar** ,1943 **Modeling and Simulation of Automatic Street Light Controller** Independently Published,2018-08-30 Automatic Street Light Control System is a simple yet powerful concept which uses transistor as a switch By using this system manual works are 100% removed It automatically switches ON lights when the sunlight goes below the visible region of our eyes This is done by a sensor called Light Dependant Resistor LDR which senses the light actually like our eyes It automatically switches OFF lights whenever the sunlight comes visible to our eyes By using this system energy consumption is also reduced because nowadays the manually operated street lights are not switched off even the sunlight comes and also switched on earlier before sunset In this project no need of manual operation like ON time and OFF time setting This project clearly demonstrates the working of transistor in saturation region and cut off region Keywords Automatically Consumption Demonstrates Saturation Dependent Visible The IAAE Journal ,1954 **Proceedings** ,1967 The Aeroplane ,1948 Engineering ,1945 **Automated Street Lightening System Using IOT** Aman Shahi,2019 Street lights are significant wellspring of income channel everything being equal and if not appropriately keep up result in a ton of vitality utilization Automation of street lights conserve energy Enabling automated street lights with IOT will lead to energy monitoring and reporting and hence an opportunity to conserve the energy The automated street lightening system are designed to switch ON and OFF based on the intensity from the sunlight This also leads to effective maintenance of lightening system and also increase life cycle of LED and wiring Conventional system heavily depends on human involvement where the system is manually controlled thus making the system work needlessly causing the overhead on energy resources whereas automated lightening system enabled with IOT offer flexibility with remote monitor This can be achieved by continuously monitoring the natural lightening conditions They are programmed to be trigger by natural lightening of the environment This makes the system more robust and conserving energy This project demonstrates the model of automated street light that works as an application of IOT It stimulates the light intensity on LDR sensor and get the data and send it to Thingspeak cloud for further monitoring Automated lightening system refers to operation of street light based on sunlight intensity on LDR sensor When light intensity is high the street light turns OFF whereas when the light intensity is LOW the street light will turn ON automatically And the controlling has been done by using Arduino Uno and that has connected with ESP8266 Wi Fi module which sends the light intensity data to cloud via internet Vehicle Movement-based Street Lights Israa Fateh Qasim,2023 This project provides a system that detects the movement of vehicles on highways or roads It automatically turns the lights on when a vehicle approaches and turn off after the vehicle has passed The aim is to save energy enhancing the efficiency

safety and sustainability of urban areas as all lights are on at night since vehicles are expected to cross constantly motion sensors are used to detect the presence of vehicles and turns on only when necessary and LDR sensors are used to automatically turn off the street light throughout the day when the sun is bright These lights also have the advantage to collect valuable information from their surroundings and use it to make informed decisions The hardware components that have been used are Arduino Uno Jumpers LED LDR IR LED and Breadboards

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block from the application to the oracle server thus improving performance especially in a

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