**AUTOMATIC STREET LIGHT CONTROL SYSTEM**

Abstract

The theme of the project is to design the “AUTOMATIC STREET LIGHT CONTROL SYSTEM” with change of the intensity of sunlight that is as the intensity of sunlight decreases, intensity of street light increases. 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 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 and OFF time setting. This project clearly demonstrates the working of transistor in saturation region and cut-off region. The working of relay is also known.

As a part of “SOCIALLY RELEVANT PROJECT (SRP)”, we would like to quantify our college (Geethanjali Institute of Science and Technology) surroundings like Gangavaram village and Bombay High-way Street lights by this Automatic Street Light Control System.

**Tools to be Used:**

* IC LM358 – 1.
* Resistor 10KΩ – 1.
* Potentiometer 10KΩ – 1.
* 5V Relay Module – 1.
* Small LED Strip.
* 9V Battery.
* LDR – 1.
* Connecting Wires.

**Project Guide Project Members**

**Batch - A10**

A. Hari Krishna, M. Tech 192U1A0448 K. Sri Varshini

Assistant Professor, ECE 192U1A0454 K. Anila

192U1A0467 K. Shivani