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Smart Street Light Using Intensity Controller

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Abstract: *We all know that street lights are one of the main city's assets. Currently, in the whole world, enormous electric energy is consumed by the street lamps, which are automatically turned on when it becomes dark and automatically turn off when it becomes bright. This is a huge waste of energy in the whole world and should be changed. Using Light Emitting Diode (LED) instead of conventional street lights reduces the power consumption. The main aim of this project is to design a system of street light controllers to reduce power consumption. The prototype is designed by using Light Dependent Resistor (LDR), Infrared sensor (IR), battery, and LED. The brightness of the lamp is controlled to reduce power consumption. The lights turn on before pedestrians and vehicles come and turn off or reduce power when there is no one. It will be difficult for pedestrians and drivers of vehicles to distinguish our smart street lamps and the conventional street lights since our street lamps all turn on before they come.*
This project is reviewed..

Keywords: *LED lights, power consumption, smart street lights, energy consumption*

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