



AUTO INTENSITY CONTROL OF STREET LIGHTS

**MUHAMMAD AIZAT BIN ROSLI
MUHAMMAD ARIFF IRFAN BIN AZIZI**

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.M84
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**FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA
MALAYSIA**

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ABSTRACT

The Auto Intensity Control of Street Lights is designed to control the brightness of street lights which react to light of surrounding. It also can help to save the electrical energy especially in urban area. Moreover, use of LED (Light Emitting Diode) also helps to save electrical energy. LED use less power (watts) per unit of light generated (lumens). LED help reduce greenhouse gas emissions from power plants. Other problem of street light is when driving in the bad weather such as rain and snow that looks dark or not visible to human eye. Thus, this project has assured us in an effort of decreasing the chances of getting accident. In addition, this project was set up in certain time which street lights are in fully brightness or not. For example, we can set at 7am until 7pm is the least brightness because there are least vehicles at this time and set back to full brightness when 7pm. In the beginning of creating the project, we make a simulation using a software names PROTEUS. This software will simulate the circuit that we put on it. By making a simulation in software, we are able to detect any error in our circuit as for us to make a correction before proceed to hardware. LCD (Liquid Crystal Display), we put together as an output that will ensure the driver which is the exact time for the street lights in bright or least bright.

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