De La Salle University – Dasmariñas
College of Engineering, Architecture and Technology
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A Project Study
Presented to the Faculty of
Engineering Department

REMOTE CONTROLLED LIGHTING SYSTEM FOR CEAT BUILDING

In Partial Fulfillment of the Requirement for the Degree
Bachelor of Science in Electronics Engineering

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ABSTRACT

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Light control needs a control medium so that the properties of their behavior could adjust to the brightness and dimness. But not all types of lights can control their dimness and brightness some are fixed. In other words, the fluorescent lights cannot be dimmed and incandescent light can be dimmed

The researchers built a programmable based Remote Controlled Lighting System designed for DLSU – D CEAT Building for effective conservation of energy. The prototype has 3 sections; the transmitter section, receiver section and dimmer section. The transmitter section has a code embedded and has a fixed frequency so that it will be compatible to the IR receiver of the receiver section and can transmit the code to the receiver section. The receiver section accepts the code that has been transmitted and executes the right code and performs the command of the transmitter. And the dimming section controls the properties of lights by adjusting it to dim to bright and on or off.

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