

ELECTRIC LAWNMOWER WITH SOLAR POWER BACKUP

A Project Study

Presented to

The Faculty of Engineering

De La Salle University – Dasmariñas



**In Partial Fulfillment
Of the requirements for the Degree
Bachelor of Science in Electronics Engineering**

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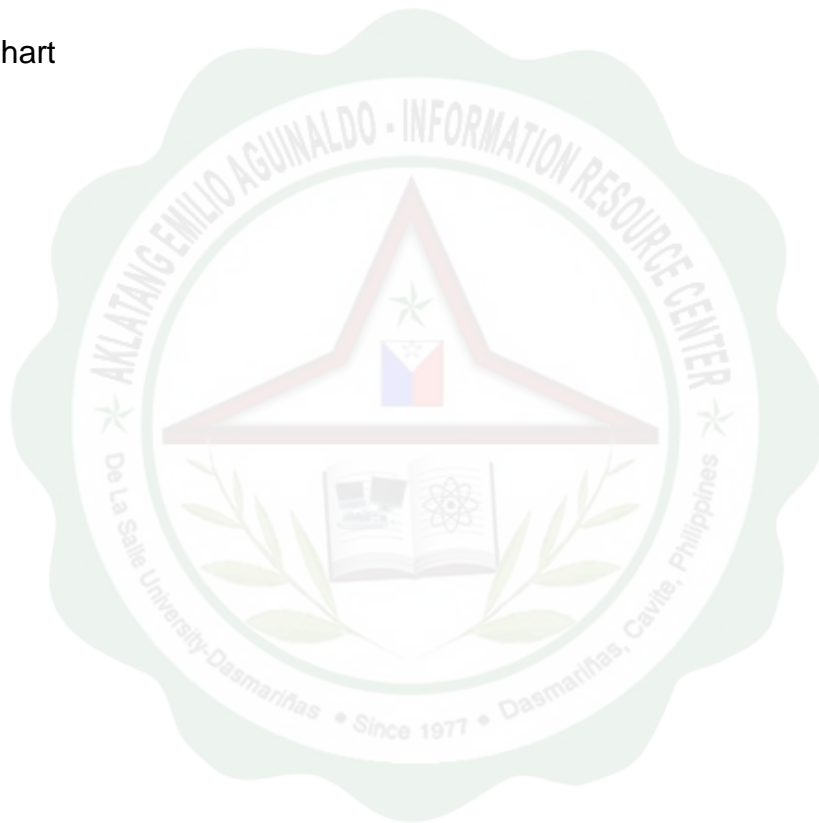
Schematic Diagrams

Cost Analysis

PIC16F877A Data Sheet

LM3914 Data Sheet

Gantt Chart



ABSTRACT

TITLE: Electric Lawnmower with Solar Power Backup

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The Electric Lawnmower with Solar Power Backup is a unit that is battery operated. It will be composed of a DC motor, charger, a microcontroller system for the timer of the device, a charge indicator and a LCD display for the timer. It can be charged through the Solar Panel to lengthen the life of the battery when in use. Also, it can be charged through the AC Line when not in use. The timer, which uses microcontroller, is programmed using Mikrobasic. This device is environmentally friendly because it does not produce smoke and it conserves the natural resources because it does not use gasoline which is a non-renewable resource.