COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

SOLAR TRACKING DEVICE WITH AC SUPPLY FOR HOME APPLIANCES

A Thesis
Presented to the Faculty of the
College of Communication and Information Technology
Ramon Magsaysay Technological University
Iba Campus, Zambales

In partial fulfilment of the requirements for the Degree
Bachelor of Science in Computer Engineering

By:

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CERTIFICATION

This project design entitled **"Solar Tracking Device with AC Supply for Home Appliances"**, prepared and submitted by **Jhan Rodlyn M. Achacoso, Jed E. Elacion and Jestoni G. Maravillas** in partial fulfilment of the requirements for the degree **Bachelor of Science in Computer Engineering**, has been examined and recommended for Oral Examination.

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APPROVAL

Approved by the Panel of Examiners on Oral Examination on March 28, 2017 with the grade of _____.

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Abstract

Nowadays, modern technology are the primarily used in efficient and in easy ways in urban and rural places. The products aim is to generate more useful solar energy than the usual solar panel.

We all know that the sun is the most unique energy reliable we have today. The researchers combined the technologies and sun's energy or the Solar Energy to do this project. This is a simple Solar Tracking Device which automatically changes the orientation towards the sun. If you place solar panels on this robot it can increase their productivity. Most solar panels are placed at a fixed position towards the sky. We can use this project in several applications by adding additional components to it. Further, the use of sensors and microcontroller provides a new dimension to the robot and increases the scope of its application. It can be made more powerful by more mechanical advancements.

This project aims to produce more solar energy to generate home appliances in much time. The process of the project design suits to the movement or flow of the hardware which makes the project work easily.