DESIGN AND DEVELOPMENT OF A MOTION ACTIVATED THREE- SIDED ADVERTISEMENT FOR THE COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY

Undergraduate Design Project
Submitted to the Faculty of the
Cavite State University
Indang, Cavite

In partial fulfillment
of the requirements for the degree of
Bachelor of Science in Electronics
and Communications Engineering

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ABSTRACT

BOCALAN, HARRIS M. and EMMANUEL R. GUHIT. Design and Development of a Motion Activated Three-Sided Advertisement for the College of Engineering and Information Technology. Undergraduate Design Project. Bachelor of Science in Electronics and Communications Engineering. Cavite State University, Indang, Cavite. April 2005. Adviser: Engr. Edwin R. Arboleda.

The design and development of a Motion Activated Three-Sided Advertisement was constructed at the proponent's house at Bliss Project, Tanza, Cavite. The design was embodied by the general objective which is to design and develop a motion activated three-sided advertisement.

The project was composed of a motor controller circuit that turns the three phase of the display board and the motion sensor interface circuit, which serves as the input device to the motor controller circuit.

The project was introduced to the proponent's adviser and technical critic during the preliminary evaluation at the New Engineering Building on February 11, 2005. It was done by presenting our actual device. Our adviser recommended that the dean of our college should evaluate our design project. The dean noticed the poor packaging and muddled wirings of the project.

The final evaluation of the design project took place at the Information Technology Building on February 24, 2005. The project underwent a series of testing and evaluation through pilot testing to guarantee its effectiveness.

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