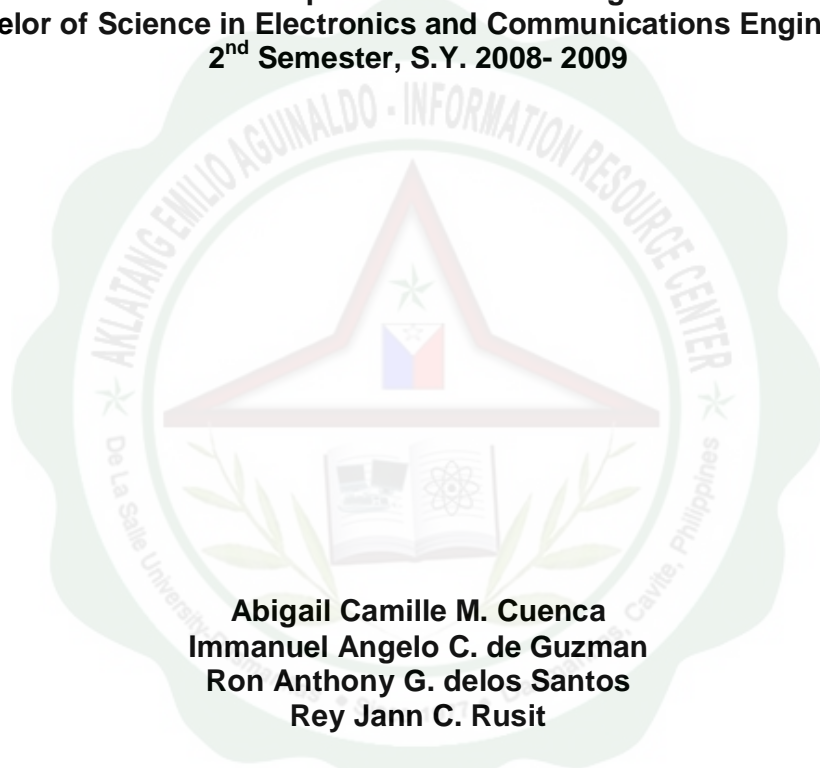


AUTOMATED TRASH BIN SEGREGATOR

**A Project
Presented to the Faculty of
College of Engineering, Architecture & Technology
De La Salle University- Dasmariñas**

**In Partial Fulfillment
of the Requirements for the Degree
Bachelor of Science in Electronics and Communications Engineering
2nd Semester, S.Y. 2008- 2009**



**Abigail Camille M. Cuenca
Immanuel Angelo C. de Guzman
Ron Anthony G. delos Santos
Rey Jann C. Rusit**

ECE53

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ABSTRACT

Title: Automated Trash Bin Segregator
Researchers: Abigail Camille M. Cuenca
Immanuel Angelo C. de Guzman
Ron Anthony G. delos Santos
Rey Jann C. Rusit
Adviser: Engr. Jose Rizaldy De Armas
School: De La Salle University – Dasmariñas
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Communications Engineering

This study focuses on the application of knowledge learned by the researchers as regards to microcontrollers. This aims to create a device that will help in segregating recyclable materials like paper, small- sized material, plastic bottles, and aluminum cans. This uses proximity sensors and inductive sensor to detect the said materials. It is also an MCU- based device that will control the whole circuitry. It is also interfaced with Liquid Crystal Display to indicate the process being done by the device.

The mechanism of the prototype exhibits the enhanced skills and knowledge which are gained and improved by the ECE students in the University. This also reflects the college's name and the quality of education of De La Salle University – Dasmariñas.