AUTOMATIC STAMPING MACHINE (ASM)

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

In Partial Fulfillment
of the Requirements for the Degree
Bachelor of Science in Computer Engineering

by:

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Republic of the Philippines
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The study here to attached entitled

AUTOMATIC STAMPING MACHINE

has been prepared and submitted by **Monica E. Arangorin, Brenda V. Ferariza and Ivy Joy E. Morete,** who are hereby recommended for oral examination.
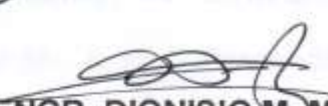
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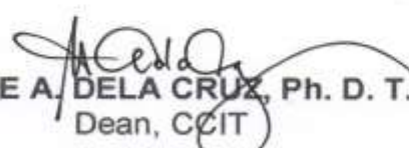Chairman

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Abstract

Automatic Stamping Machine was developed to automatically stamp papers and count the number of papers being stamped. The researchers used Arduino Mega (2560) Microcontroller as the main board of the system and the LDR (Light Dependent Resistor) Sensor to detect the availability of paper in the storage and automatically stopped the rotation of the DC motor when paper is unavailable. Also the researchers made used of LED (Light Emitting Diode) and LCD (Liquid Crystal Display) as indicator of the machine output.

The researchers used a descriptive and experimental research design and methodology. Purposive sampling was also used to determine the number of user of the machine. To evaluate the product quality, level of accuracy and level of acceptability, interviews, surveys, and distribution of questionnaire has been conducted. The data gathered treated with the used of weighted mean and Likert scale.

The Automatic Stamping Machine evaluated as Very Good in terms of software quality on the perception of the technical experts and rated Acceptable in the perception of the technical experts and machine user. And for future enhancement the machine was recommended to have additional stamp slot, automatic ink system and positioning of the stamp.