

Approved by the Faculty  
RAMON MAGSAYSAY TECHNOLOGICAL UNIVERSITY  
College of Communication and Information Technology  
Iba Campus



## COIN - OPERATED PRINTING MACHINE

### COIN - OPERATED PRINTING MACHINE

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 Requirement for the Degree  
Bachelor of Science in Computer Engineering

by:  
Eugene M. Menor  
Dennis A. Olamit  
Jayvee C. Pamintuan

March 2014

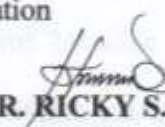
Republic of the Philippines  
**RAMON MAGSAYSAY TECHNOLOGICAL UNIVERSITY**  
**College of Communication and Information Technology**  
Iba, Zambales




The study hereto attached entitled


**COIN – OPERATED PRINTING MACHINE**

has been prepared and submitted by **Eugene M. Menor, Dennis A. Olamit, and Jayvee C. Pamintuan**, who are hereby recommended for oral examination

  
**ENGR. RICKY S. BARRERA**  
Adviser

Approved by the Committee of Oral Examiners:

  
**ENGR. MARY JOYCE M. MYERS**  
Member

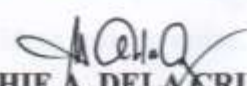
  
**MELOJEAN C. MARAVE, MSIT**  
Member

  
**ENGR. MARLON V. ALCANCES**  
Member

  
**ENGR. DIONISIO M. MARTEN, JR.**  
Chairman

Accepted as requirement for the degree of **Bachelor of Science in Computer Engineering**.

March 2014

  
**MENCHIE A. DELA CRUZ, MSIT**  
Dean, CCI

## **Abstract**

Coin-operated Printing Machine is a system that will be operated just like a vending machine but instead of sanitary supplies or beverages, it will give hard copies of documents needed by the user. This project aimed to develop a coin-operated printer that will be used by any individual who needs printouts of their documents.

The system will cater the needs of the users with minimal human intervention required. The machine is user – friendly and very simple to operate. The users will insert the storage device or media to the USB (Universal Serial Bus) port of the machine to browse the desired file to be printed. Provided that the storage device or media is a USB (Universal Serial Bus) type. The machine will display the price of the printout in the monitor. The machine accepts one-peso coin and it will not accept any type of coins. Once coins have been dropped, the machine automatically dispenses the printouts.

The system has two (2) main sections, the graphical user interface section and the controller section. The graphical user interface section made use of Visual Basic 6.0 program that allows the administrator to make some changes in the program of the machine. This section is also responsible for browsing the files in a storage device or media to be printed and also responsible for displaying the price of the printout. The controller section made use of AT89C2051 is 8-bit microcontroller with 2Kb flash memory. This section is responsible to trigger the printer of the machine.

The system was tested effective as an unattended printing machine. The machine was designed for students and faculty who do not have personal printers. The main objective of the proponents is to develop a coin-operated printing machine that will be used by any individual who needs printouts of their documents.