**COMPUTERIZED FORM 137 AND STUDENT PROMOTION SYSTEM OF MANUEL S. ROJAS ELEMENTARY SCHOOL**

Undergraduate Thesis

Submitted to the Faculty of the

Information Computer Technology and Computer Science Department

Cavite State University

Cavite City Campus

In partial fulfillment

Of the requirements for the degree

Bachelor of Science in Information Technology

**CHARLES CAMASOZA**

**DANIE ANNE P. PAMATIAN**

**JENNY MAY A. TANEO**

**MARKPRILE JOHN DG. VILLARDE**

August 2013

**COMPUTERIZED FORM 137 AND STUDENT PROMOTION SYSTEM OF**

**MANUEL S. ROJAS ELEMENTARY SCHOOL**

**CHARLES CAMASOZA**

**DANIE ANNE P. PAMATIAN**

**JENNY MAY A. TANEO**

**MARKPRILE JOHN DG. VILLARDE**

An undergraduate project design manuscript submitted to the faculty of the Department of Information and Communication Technology, Cavite State University, Cavite City in partial fulfillment of the requirements for the degree of Bachelor of Science in Information Technology. Prepared under the supervision of Prof. Terese Mae Baylon

**INTRODUCTION**

As technology continues to advance, computers are becoming more part of everyday life. Computers are everywhere at work, school, and at home. Many daily activities either involve the use of or depend on information from a computer. This is because computers are used in almost every field and profession like education and office works to perform large number of computer application. It also the best solution for providing information and a way of communications in every individual and gives better understanding of some events that can arouse the interest of some particular subject matter.

In Education, particularly some of the school today as one of the institutions that needs innovation still continues to adopt the manual process. Because of the commercialized software in demand in the market. Staff, Administrators, Faculty members still relying on that software to make their work done. Without thinking, that there is much more convenient, efficient and effective way of making their work much easier.

The developers decided to develop a computerized form 137 and student promotion to minimize the word “manual”. Wherein it would be easy to generate reports unlike the current system wherein they need to type everything with the use of excel or typewriter and present everything in Form 137 – can be considered. Form 137 for students is important for it shows the performance, talents and skills of the students. While student promotion shows the students who will be promoted for the next school year. Credential of the student to enter their next level of attaining their goals and objective so it is important to record and keep for a long time. Computerized form 137 and student promotion will help a lot in the part of the school administration as well as the security of the student’s data. So with the aid of this proposal system it can give more accuracy of data and speed up time for the student’s requesting the form 137. It will have also the capability of storing and accessing old data.

**Statement of the Problem**

The present Form 137 and Student Promotion in Manuel S. Rojas Elementary School is done manually. Manual system of Form 137 and Student Promotion caused a lot of inaccuracy and inefficiency in processing the record and data of the students.

Different Problems are as follows:

1. How to minimize the manual process?
2. Does the system capable of retrieving final rating and to be updated in student promotion?
3. Does the system capable of calculating the grade automatically?
4. Does the system capable of updating student’s age every school year?
5. How to prevent losing of data?

**Importance of the study**

Manuel S. Rojas Elementary School (MRES) still using a manual Form 137 and Student Promotion. In this kind of system the Guidance Councilor need to used a typewriter or write manually the information of the student on a form used and store it on a cabinet. Manual process has lack of security, in the event that all data is loss, finding it will take much time. Editing and erasing information can be difficult to manipulate, any errors on the students form, staff works can be prolonged. Creating more records and back up files can be more misleading for the institution the more records the harder to find documents as their lapsing.

On the previous process in MRES they are manually inputting the information of the students; it needs more time to organized, add, retrieve, and search the student’s form 137 and student promotion**.**

The proposed computerized form 137 and student promotion of Manuel S. Rojas Elementary School will helps them to effectively and efficiently managing the information needed for the Form 137 by means of having a user-friendly interface.

**Objective of the study**

The general objective of the study is to develop a computerized Form 137 and student Promotion of Manuel S. Rojas Elementary School.

Specifically, it aims:

1. to design a system that has the following features:

a. improve manual system into computerized system.

b. to extract the data from form 137 to student promotion.

c. automatic calculating of grades.

d. automatic updating age of the students.

e. secure the system by means of log-ins.

1. to create a system using Visual Basic and MySQL.
2. to Test the functionality, reliability, usability, efficiency, maintability and portability of the system using ISO9126.

**Time and Place of the study**

The study will be conducted at Cavite State University – Cavite City Campus and in the client’s place Manuel S. Rojas Elementary School in Cavite City from October 2012 to March 2014.

**Scope and Limitation**

The study is all about Computerized Form 137 and Student Promotion wherein it covers the ability of the system to organize, add, edit, search, and save student’s form 137 and student promotion.

The systems beneficiary is Manuel S. Rojas Elementary School; the Guidance Councilor and other few staff has the privilege in accessing all the features of the system; the system will provide a log-ins, for the security of the system and for the important information of the students. The system will also make the staffs’ work easier and faster.

The system will generate reports. The database will be imported to MS Excel for printing.

For the student promotion there will be an automatic time and date running for the system because the age of the student should be updated every end of school year.

For the Form 137 the system is capable of computing the grades from 1st to 4th grading and it primarily stores and retrieves the final grade.

The system uses the flowchart to illustrate the project development.

And lastly the system is not capable of retrieving forms that is not yet saved.

**Operational Definition of Terms**

To provide a better understanding of the terms used in this study, the following terms are theoretically and operationally defined:

**Form 137.** Itrefers to a report card form that contains inventory of the subjects taken and grades earned of a student throughout his stay in the school, including transferred credits from other schools.

**Student Promotion.** Itrefers to a form used by the school for advancement in rank or level of the students.

**Computerized.** It refers to a conversion of information to a form that is stored or processed by computer.

**User-Friendly** **Interface.** It refers to a program easy to use even though an individual is not knowledgeable about the system.

**ISO 9126.** It refers to the standard use in evaluating the system.