STUDENT INFORMATION SYSTEM FOR PASONG KAWAYAN I ELEMENTARY SCHOOL GENERAL TRIAS, CAVITE

THESIS

IVAN G. CARAY

ADRIAN R. GARCES

College of Engineering and Information Technology

CAVITE STATE UNIVERSITY

Indang, Cavite

April 2015

STUDENT INFORMATION SYSTEM FOR PASONG KAWAYAN I ELEMENTARY SCHOOL GENERAL TRIAS, CAVITE

Undergraduate Thesis
Submitted to the Faculty of the
College of Engineering and Information Technology
Cavite State University
Indang, Cavite

In partial fulfillment
of the requirements for the degree
Bachelor of Science in Information Technology

IVAN G. CARAY
ADRIAN R.GARCES
April 2015

ABSTRACT

CARAY, IVAN G. and GARCES, ADRIAN R. Development of Student Information System for Pasong Kawayan I Elementary School. Undergraduate Thesis. Bachelor of Science in Information Technology. Cavite State University, Indang, Cavite. April 2015. Adviser: Ms. Marlon R. Pereña.

The study was conducted to provide an integrated solution, by the development of management information system that addressed the issues of improper management of records, difficulty in releasing of records, and security of grades.

The system automates the process of handling the records that serves as the entry of all student information that is automatically stored in the database. This allows for the faster retrieval of needed data and generation of accessible reports. Users profiling as well as uploading of grades are automated as well. Moreover, the system provides user accounts for the administrator/guidance counselor, adviser and subject teacher.

Rational unified process was used upon the development of the study. It consists of four phases namely; inception, elaboration, construction, transition.

The system was developed using numerous software tools; PHP as the scripting language, MySQL as the database management system, and Adobe Photoshop and CSS for the design of the system.

The system was evaluated in terms of its functionality, reliability, usability, efficiency, maintainability, and portability. The respondents were composed of teachers, guidance staff, and students of Pasong Kawayan I Elementary School. Evaluation results indicated that the system had passed and completed the needed requirements. Based on the results of the study, the proponents have the following recommendations for further improvement of the study; include functionality for monitoring the daily

attendance of the students that can be retrieved for additional details in printing the form form 137, provide a help module that will serve as user's manual for faster way of learning different system functionalities, and include functionality for generating a chart representation of statistical reports that the system can provide.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDIX TABLES

LIST OF APPENDIX FIGURES

LIST OF APPENDICES

STUDENT INFORMATION SYSTEM FOR PASONG KAWAYAN I ELEMENTARY SCHOOL GENERAL TRIAS, CAVITE

Ivan G. Caray
Adrian R. Garces

An undergraduate thesis submitted to the faculty of Department of Information Technology, College of Engineering and Information Technology, Cavite State University, Indang, Cavite in partial fulfillment of the requirements for the degree of Bachelor of Science in Information Technology with Contribution No.CEIT-2014-15-076. Prepared under the supervision of Mr. Marlon R. Pereña.

INTRODUCTION

On average there is a little aggregation of student data in today's school system. Information is sliced, redundant, and difficult to share. The technologies used - if any – and frequently incompatible. An ideal state has complete aggregation and alignment, it is easier to ensure that students meet challenging standards, teachers target instruction, parents know teachers are helping their children, school districts know how to allocate resources effectively, and the government know how schools are doing ("Improving achievement", n.d.).

Student Information System is a software application for education establishments to manage student data. It is also known as student information management system (SIMS) which is a student-level data collection system that allows the department or school management to collect and analyze more accurate and comprehensive information, to meet federal and state reporting requirements, and to inform policy and programmatic decisions.