DEVELOPMENT OF A WEB-BASED HEALTH CENTER SERVICES AND PATIENT RECORD MANAGEMENT SYSTEM FOR ZAMBALEÑOS

A Thesis Presented to the
Faculty of the College of Communication and Information Technology
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by

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The study hereto attached entitled

DEVELOPMENT OF A WEB-BASED HEALTH CENTER SERVICES AND PATIENT RECORD MANAGEMENT SYSTEM FOR ZAMBALEÑOS
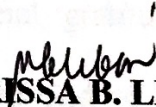
has been prepared and submitted by **SAMSON T. APAGALANG, HANA KAZELYN B. DAYO** and **MARY JEAN P. DEQUILLA,** who are hereby recommended for oral examination on March 12, 2014.

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Accepted and approved as requirement for the degree of **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY.**

March 2014

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ABSTRACT

Title	:	**DEVELOPMENT OF A WEB-BASED HEALTH CENTER SERVICES AND PATIENT RECORD MANAGEMENT SYSTEM FOR ZAMBALEÑOS**
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College	:	**COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY**
Institution	:	**RAMON MAGSAYSAY TECHNOLOGICAL UNIVERSITY**
Degree	:	**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**
Year	:	**2014**
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The main problem of this study is focused in finding an effective way in solving the problems experienced by the implementation of services and record management system using its current problem encountered on the existing manual system. This study involved the system development and testing of the proposed Development of a Web-based Health Center Services and Patient Record Management System for Zambaleños as to its degree of necessity for implementation in the said unit.

The study sought answers to the following questions: (1) What is the frequency of occurrence by which problems are encountered in the existing system? (2) What is the respondent's perception on the level of efficiency of the proposed Development of a

Web-Based Health Center Services and Patient Record Management System for Zambaleños in terms of security, accuracy, speed of processing and user-friendliness? (3) What is the Perception of the Respondents on the level of the Satisfaction on the Proposed System in terms of functionality, reability, usability and portability?

The researchers employed various data gathering procedures as such series of interviews, observations, and the used of questionnaires. Various statistical measurements were used such as the frequency, weighted arithmetic mean and likert scale.

The study arrived at the following conclusions: (1) The respondents' perceived level of efficiency of the existing system in terms of Security of Data Information average mean is 2.26 and Accuracy, the average mean is 2.26 and 2.15. In terms of Speed Processing, the average mean is 2.26 and of User Friendly, the average mean is 2.46 mean averages. All levels of efficiency are perceived to be as "Seldom". (2) The respondents' perceived level of effectiveness on the proposed system in terms of identified criteria is "Highly Effective" with the average mean of 4.52. (3) The respondents perceived level of satisfaction on the proposed system in terms of identified criteria as "Very Much Satisfied" with the average mean is 4.49.

The researchers proposed the following recommendations: (1) That the Development of a Web-Based Health Center Services and Patient Record Management System for Zambaleños should be implemented to improve the services of its personnel and staff to their patient and to enhance all transactions inside the organization. (2) The need to orient the personnel and staff regarding the operation of the system. (3) The maintenance and continuous development of the system be done to help it adapt to the

constantly changing trends of information technology. (4) There should be conduct of the study and gathering of some data on evaluation of services and patient record which is deeper and wider in scope. (5) The proposed system should enhance all the transaction inside the organization.