



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

**INTRANET-BASED PATIENTS RECORD MANAGEMENT SYSTEM
FOR CANDELARIA DISTRICT HOSPITAL**

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**A Research
Presented to the faculty of
College of Communication and Information Technology
Ramon Magsaysay Technological University
Main Campus, Iba Zambales
In Partial Fulfilment
Of the requirements for the Degree
Bachelor of Science in Information Technology**

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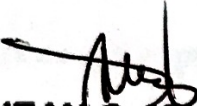
March 2015

CERTIFICATION

This thesis "Intranet- based Patient's Record Management System for Candelaria District Hospital", prepared and submitted by: **Maryrose Aquino, R-jane Ebuenga and Rosalyn Maga** in partial fulfillment of the requirements for the degree **Bachelor of Science in Information Technology**, has been examined and recommended for Oral Examination.

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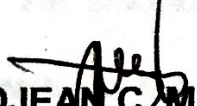

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APPROVAL

Approved by the **PANEL OF EXAMINERS** on Oral Examination on March 13, 2015 with the grade of _____.


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ABSTRACT

Title: Intranet-Based Patient's Record Management System

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Degree: Bachelor of Science in Information Technology

Institution: Ramon Magsaysay Technological University

Year: 2015

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The Problem

This research aimed to develop and design an intranet-based patient's record management system for Candelaria District Hospital. Specifically, it sought to know the respondents profile in terms of respondents' type. It is aimed to determine the perception of the respondents on the level of effectiveness in terms of: (a) accuracy; (b) security; (c) portability; (d) maintainability and (e) usability. It is aimed to determine the perception of the respondents on the level of satisfaction in terms of: (a) efficiency; (b) reliability; (c) performance and (d) functionality.



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Research Methodology

The research design used in this study was description method to completely show the nature of the procedures use and problems in the system of operation. The main goal of this type of research is to describe the data and the characteristics about what is being studied. The data behind this type of research is to study the frequencies, average, and other statistical calculations. Although this research is highly accurate, it does not matter the causes behind the situation. Descriptive research is mainly done when researcher wants to gain better understanding of the topic.

A total of fifty (50) respondents that include the medical officer, staff, physicians, nurses and patients of the Candelaria District Hospital. The researchers utilized the representative sampling. A total of 50 served as respondents who evaluated the proposed Intranet- based Patient's Record Management System for Candelaria District Hospital.

The researchers made use of interviews, internet, library and questionnaire to establish the profile of the respondents and perceptions towards several item indicators based on the System Quality Metrics (SQM).

When accomplished, the gathered data was tallied, tabulated, presented, analyzed and interpreted based on the information that is needed to answer the stipulated in the statement of the problems. Frequency and percentage distribution were employed to determine the frequency counts and percentage distribution of personal related variables of the respondents. The mean was



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employed to determine the average of the perceptions of the respondents on the level of effectiveness and level of satisfaction

Summary of Findings

Findings revealed that most were patients (37, 74 percent). The respondents were asked to give the perception on the level of effectiveness of the proposed system by using the scale: 5-Excellent (E), 4- Very Good (VG), 3-Good (G), 2- Poor (P) and 1- Very Poor (VP).

In terms of accuracy, protect the confidentiality of the records, file and transaction reports perceived to be very good (VG) with a weighted mean of 4.12. Administrator and user level restriction perceived to be very good (VG) with a weighted mean of 4.12. Administrator and user level restriction perceived to be very good (VG) with a weighted mean of 4.16. User setting accounts is provided perceived to be very good (VG) with a weighted mean of 3.88. Availability of mechanisms that control perceived to be very good (VG) with a weighted mean of 4.06.

In terms of portability, easy to install in other operating system perceived to be very good (VG) with a weighted mean of 4.16. The system can adopt to other environment perceived to be very good (VG) with a weighted mean of 4.04. Round a clock availability perceived to be very good (VG) with a weighted mean of 3.92. Software adhere to standards or conventions relating to portability perceived to be very good (VG) with a weighted mean of 4.04. Software that bear on opportunity and effort using it in the place of specified other software in the