



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY



President Ramon Magsaysay State University
San Marcelino – Campus
College of Communication and Information Technology



**COMPUTER-BASED PATIENT'S MEDICAL RECORD MANAGEMENT
SYSTEM OF RURAL HEALTH UNIT IN THE
MUNICIPALITY OF SAN MARCELINO,
PROVINCE OF ZAMBALES**

A Capstone Project presented to the Faculty of the
College of Communication and Information Technology

By:

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A Thesis

In partial Fulfillment of the Requirements

For the degree of Bachelor of Science in Computer Science

College of Communication and Information Technology

President Ramon Magsaysay State University

San Marcelino Campus

San Marcelino, Zambales

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Republic of the Philippines
PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY
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APPROVAL SHEET

This, study entitled “COMPUTER-BASED PATIENT’S MEDICAL RECORD MANAGEMENT SYSTEM OF RURAL HEALTH UNIT IN THE MUNICIPALITY OF SAN MARCELINO, PROVINCE OF ZAMBALES” prepared and submitted by BONJOMAR L. FRONDA, CARLO L. AGUSTIN, and KEANNU M. MARAVILLA in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE** are hereby recommended for oral examination.


MR. RODAN A. FABRO
Adviser

Approved by the Panel of the Oral Examiners on June 21, 2023 with a grade of 79.00%.



MR. WILMAR S. RED
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Accepted and approved in partial fulfillment of the requirements for the degree of
BACHELOR OF SCIENCE IN COMPUTER SCIENCE.

11/07/2023
Date Signed


ACE RYAN A. LABAMPA
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EXECUTIVE SUMMARY

This thesis aimed to investigate and propose a comprehensive computer-based Patient's Medical Record Management System that will revolutionize technology to digitalize, store, and organize patient health information, facilitating efficient access, secure storage, and seamless sharing of medical records among authorized healthcare professionals. It represents a significant advancement in healthcare information management, revolutionizing the way patient medical records are stored, accessed, and shared. By leveraging technology, healthcare providers can improve patient care, enhance collaboration, and streamline administrative processes.

The proposed computer-based Patient's Medical Record Management System brings numerous benefits, including increased efficiency, improved patient safety, and enhanced decision-making and better overall healthcare outcomes. As healthcare organizations continue to embrace digital transformation, this system plays a pivotal role in driving progress and delivering high-quality patient-centered care.

Through a systematic methodology, including literature review, requirement gathering, system design, prototype development, and evaluation, the thesis will present a well-structured and user-friendly PMRMS. The proposed system will incorporate key features such as user authentication, access control, and interoperability with other healthcare systems, data analytics capabilities, and seamless integration with imaging and laboratory reports.