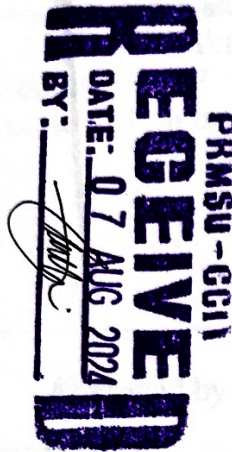


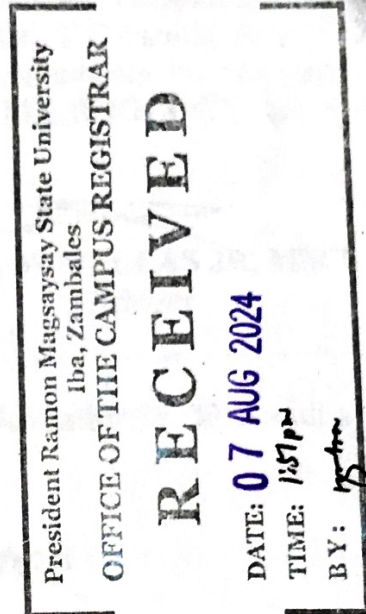


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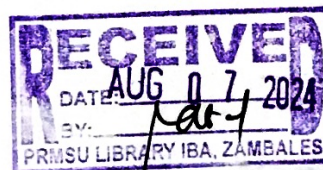
**SAN MARCELINO RURAL HEALTH UNIT TRANSACTION QUEUING  
SYSTEM**



**Eldon A. Asada  
Kakieru T. Cabanilla  
Jego G. Olea  
Kenneth S. Teñoso**



**A Capstone Project  
in Partial Fulfillment of the Requirements  
for the Degree of Bachelor of Science in Information Technology  
College of Communication and Information Technology  
President Ramon Magsaysay State University  
Iba, Zambales**



**November 2023**





**COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY**



Republic of the Philippines  
**President Ramon Magsaysay State University**  
Iba, Zambales

**College of Communication and Information Technology**

**APPROVAL SHEET**

This study, entitled "**San Marcelino Rural Health Unit Transaction Queuing System**" prepared and submitted by Eldon A. Asada, Kakieru T Cabanilla, Jego G. Olea, and Kenneth S. Teñoso in partial fulfilment of the requirements for the degree of **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY** are hereby recommended for oral examination.

**FIEL M. DULLAS JR, MSCS**  
Adviser

Approved by the Panel of the Oral Examiners on November 28, 2023 with a grade of \_\_\_\_\_.

**DANIEL A. BACHILLAR, MSCS**  
Chairman

**DARYL JOHN C. RAGADIO, MSCS**  
Member

**JOSEPH S. CORTEZ**  
Member

Accepted and approved in partial fulfilment of the requirements for the degree of **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**.

**06 AUG 2024**

Date Signed

**MENCHIE A. DELA CRUZ, Ph.D.**  
Dean, CCIT





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### EXECUTIVE SUMMARY

Health centers are important to community, and providing fast and efficient health care services have big impact in patient. The current system used by the San Marcelino RHU queuing system can be improved in various areas. The researchers aimed to create a web system that would help the community and the health care providers of San Marcelino RHU by improving queuing system faster and more convenient. The researchers used the Rapid Application Development (RAD) methodology as the Software Development Life Cycle of the system. The researchers then adapted a survey questionnaire based on previous researches who then used the ISO/IEC 25010:2011 metrics to evaluate the system's Software Quality, Level of Acceptability, and Level of Readiness for implementation. The results of the survey were analyzed by the researchers. It showed that the respondents collectively evaluate the developed system's software quality as very good, the developed system's level of acceptability as accepted, and the developed system's level of readiness for implementation as ready. From the results, the recommendation includes the sustenance of the features evaluated to be ideal and improvement of the features evaluated to be less than ideal. It is also recommended for the system to be refactored for implementation and updated during maintenance and that future studies related to the subject matter to be conducted.