WEB-BASED PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY HOSTEL INFORMATION MANAGEMENT SYSTEM

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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
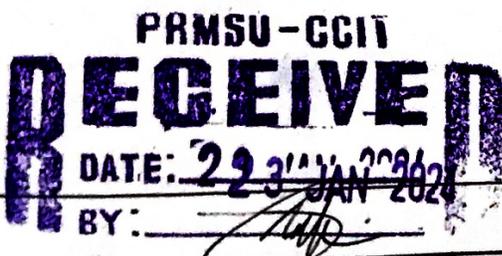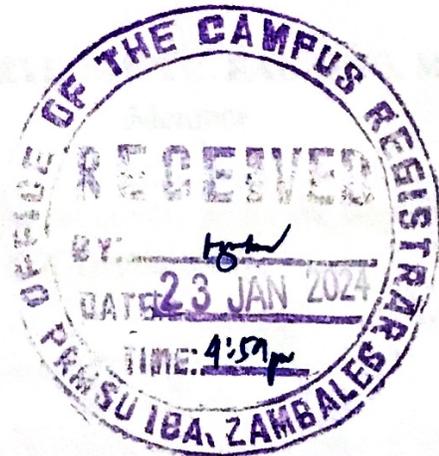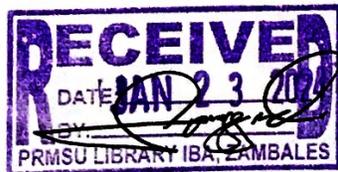
Iba, Zambales

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

College of Communication and Information Technology

APPROVAL SHEET

This study entitled "**Web-based President Ramon Magsaysay State University Hostel Information Management System**" prepared and submitted by Joshua Elpuz, Francis Dave M. Yala, Sam Stephen M. Efe, and Kyle Darenze B. Lanuza in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY** are hereby recommended for oral examination.

DR. GEOFFREY S. SEPILLO
Adviser

Approved by the Panel of the Oral Examiners on May 2023 with a grade of _____.

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Chairperson
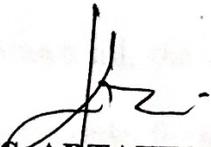
JASON S. ARTATES, MSCS
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Accepted and approved in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY.**

23 JAN 2024
Date Signed
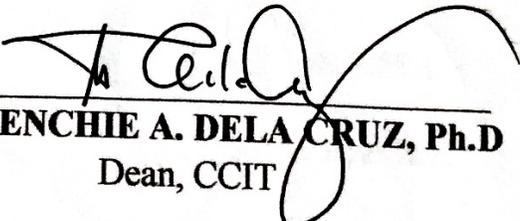
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EXECUTIVE SUMMARY

The researchers created a web-based information management system for the President Ramon Magsaysay State University Mock Hotel, where staffs can make reservation throughout online. VIP guest also get information about the rooms by visiting the website. The researcher used ISO 25010: 2011 metrics to evaluate the Systems Quality. Evaluation for the software quality utilized eight (8) criteria: (1) level of functional suitability, (2) performance efficiency, (3) compatibility, (4) usability, (5) reliability, (6) security, (7) maintainability, and (8) portability. Evaluation for the level of acceptability utilized five (5) criteria: (1) content, (2) accuracy, (3) ease of use, (4) timeliness, (5) security. The researchers made use of descriptive research and utilized questionnaire to gather the necessary information. The statistical analysis tools like percentage, weighted mean, and likert scale were the means to arrive at the summary, conclusion, and recommendations of this study. With fifty-five (55) respondents, PRMSU mock hotel staffs and students assessed the system quality and degree of acceptance of the PRMSU Hostel Information Management System in PRMSU Mock Hotel, using the ISO/IEC 25010:2011 measure. According to the overall results, respondents rated the system's web application quality as Excellent, and its degree of acceptability as Highly Accepted.

The researchers recommended that the President Ramon Magsaysay State University Mock Hotel, implement a paperless approach to improve reservation accessibility to accurate and timely information. Clear instructions and assistance are required to assist users in understanding how to use the system effectively and avoid errors. Higher-ups or designated personnel must perform or engage an IT professional to maintain

the system in the event of equipment failure. IT specialists may be employed to manage the PRMSU Mock Hotel database and website, and the system should be improved to fulfill comparable and more relevant functions and features. Future researchers may expand the work to broaden its coverage