



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

DORMITORY MAPPING APPLICATION FOR PRMSU – IBA CAMPUS STUDENTS

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A Capstone Project  
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Republic of the Philippines  
**PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY**  
College of Communication and Information Technology  
Iba, Zambales

**APPROVAL SHEET**

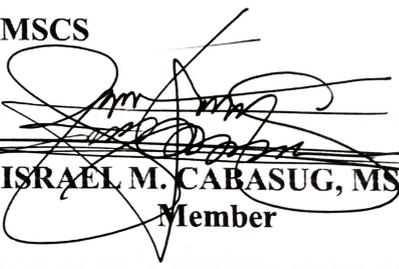
This study entitled “**Dormitory Mapping Application for PRMSU – Iba Campus Students**” prepared and submitted by **ARABEJO, VANESSA S., DASIG, CARL DARREN, JABIGUERO, JHON PATRICK L., ROMUALDO, NOEL E.** in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY** are hereby recommended for oral examination.

  
**MELOJEAN C. MARAVE, MSIT**  
Adviser

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

  
**JOSEPH J. JULIANO, MSCS**  
Chairman

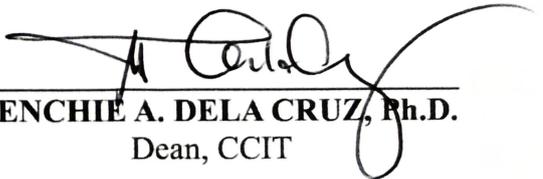
  
**CARL ANGELO S. PIMPLONA, MSCS**  
Member

  
**ISRAEL M. CABASUG, MSCS**  
Member

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

**31 JUL 2024**

Date Signed

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



## COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

### EXECUTIVE SUMMARY

This study was made to develop the Dormitory Mapping Application for PRMSU – Iba Campus Students. It sought to identify the evaluation of Municipality of Iba Business Permit and Licensing Office (BPLO), PRMSU Office of Student Affairs and Services Respondents on the software quality using ISO 25010: 2011 in terms of: Functional Suitability, Performance Efficiency, Compatibility, Usability, Reliability, Security, Maintainability, and Portability. The study aimed to gauge respondents' acceptance of the system's functionality, performance, readiness in terms of information system facilities, and technical personnel.

The study employed descriptive research alongside the Waterfall Methodology for developing the Dormitory Mapping Application for PRMSU – Iba Campus Students, utilizing questionnaires, interviews, and statistical tools like Frequency and Percentage Distribution and Weighted Mean for data analysis.

The respondents of the study were the students, landlords, Iba Business Permit and Licensing Office and PRMSU Office of Student Affairs and Services in Iba, Zambales.

Users rated the system as "Excellent" in software quality across various aspects like Functional Suitability, Performance Efficiency, Compatibility, Usability, Reliability, Maintainability, Portability, and Security. Additionally, it was deemed "Highly Accepted" in terms of Functionality and Performance, and "Very Ready" in terms of information system facility and technical personnel readiness. The study recommends implementing a dormitory mapping application to enhance functionality and user-friendliness for students, suggesting exploration of additional access methods like a mobile app for iOS users, and ongoing research to keep the system updated with evolving student needs.