COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

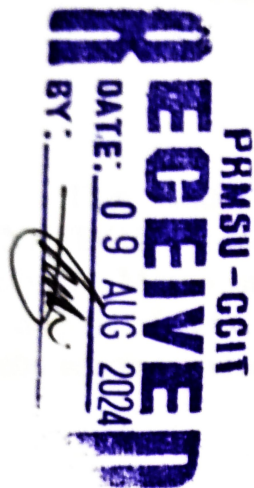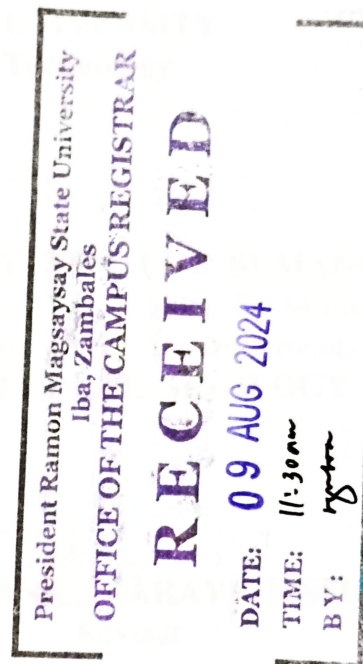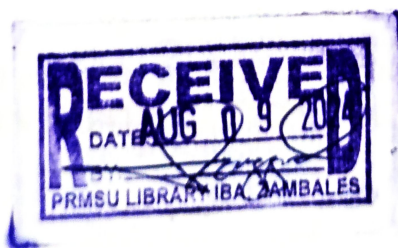# ONLINE BUY AND SELL SYSTEM FOR SUMANGA JUNKSHOP

Anulao, Maruello C.
Miranda, Kyla Maxine D.
Morzo, Analyn H.
Sumanga, Albert Ralph B.

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

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

APPROVAL SHEET

This, study entitled **"ONLINE BUY AND SELL SYSTEM FOR SUMANGA JUNKSHOP"** prepared and submitted by Maruello C. Anulao, Kyla Maxine D. Miranda, Analyn H. Morzo and Albert Ralph B. Sumanga 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 December 4,2023 with a grade of_____.
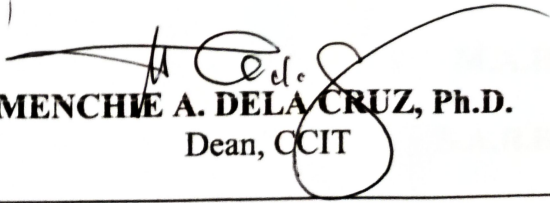
CARL ANGELO S. PAMPLONA, MSCS
Chairman

ISRAEL M. CABASUG, MSCS
Member

ROWELA GONGORA
Member

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

0 7 AUG 2024
Date Signed

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

EXECUTIVE SUMMARY

This study was made to develop Online Buy and Sell System for Sumanga Junkshop. It sought to identify the evaluation of the owner and the customer of Sumanga Junkshop on the Software Quality using ISO/IEC 25010: 2011 in terms of: Functional Suitability, Performance Efficiency, Compatibility, Usability, Reliability, Security, Maintainability, and Portability. It also sought to identify the Level of Acceptability of the system to the respondents in terms of Functionality and Performance. It also sought to identify the Level of Readiness of the system to the respondents in terms of Information System Facility and Technical Personnel.

The data gathering procedures used were Questionnaires and Interviews. Statistical and Data Analysis tools used was Frequency and Percentage Distribution and Weighted Mean. The respondents of the study were the customers, IT experts, and the owner/staff of Sumanga Junkshop in Iba, Zambales.

The system was found "Excellent" in software quality in terms of Functional Suitability, Performance Efficiency, Compatibility, Usability, Reliability, Maintainability, Portability and Security as evaluated by users. The system was found "Highly Accepted" in Level of Acceptability in terms of Functionality and Performance as evaluated by the users. The system was found "Very Ready" in Level of Readiness in terms of Information System Facility and Technical Personnel as evaluated by the users.

The study recommends implementing a dormitory mapping application to aid customer in buying and selling scarp materials, aiming to improve functionality and user-friendliness. It suggests exploring additional access payment methods, and suggest to have a clearer labeling or filtering of every product, and suggests ongoing research to keep the system updated with evolving customer needs.