COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

RFID-BASED ATTENDANCE MONITORING SYSTEM FOR
PRMSU IBA CAMPUS PERSONNEL

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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
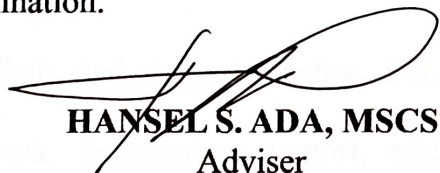
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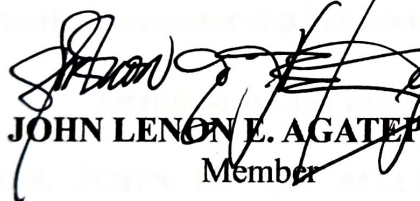**President Ramon Magsaysay State University**
Iba, Zambales

College of Communication and Information Technology

APPROVAL SHEET

This, study entitled **"RFID-based Attendance Monitoring System for PRMSU Iba Campus Personnel"** prepared and submitted by Joy E. Capunihan, Mark Rhoi Toby S. Diaz, Joanna Marie B. Mas and Danniel Mendigorin in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY** are hereby recommended for oral examination.

HANSEL S. ADA, MSCS
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Approved by the Panel of the Oral Examiners on December 4, 2023 with a grade of ____.

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

0 2 AUG 2024
Date Signed

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EXECUTIVE SUMMARY

PRMSU Iba Campus currently relies on traditional methods such as sign-in sheets, which are prone to errors, tampering, and time-consuming administrative tasks. The project aims to introduce an automated system that utilizes RFID technology to accurately record and manage personnel attendance.

The purpose of the RFID-Based Attendance Monitoring System for PRMSU Iba Campus Personnel is to introduce an automated and efficient method of tracking and managing personnel attendance. The system utilizes Radio Frequency Identification (RFID) technology to provide accurate and real-time attendance data, replacing the traditional manual methods.

The respondents of the study evaluated the system's Software Quality, the Level of Acceptability, and the Level of Readiness of the RFID-based Attendance Monitoring System for the PRMSU Iba Campus Personnel using the ISO/IEC 25010:2011 metrics with a total of 224 respondents.

Based on the overall results, the respondents evaluated the software quality as "Very Good" with a grand mean of 3.56, the level of acceptability as "Acceptable" with a grand mean of 3.62, and the Level of Readiness as "Ready" with a grand mean of 3.48.

The study outcome provided valuable recommendations that concentrates on improving the system's performance and strengthen the security to ensure the confidentiality and privacy of attendance data and ensuring accurate data that serves the system's purpose, leading to the final recommendation of implementation of the system.