COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

THE BASTION ANDROID BASED APP

A Thesis
Presented to the Faculty of the
College of Communication and Information Technology
President Ramon Magsaysay State University
Iba, Zambales

In Partial Fulfilment of the Requirements for the Degree
Bachelor of Science in Information Technology

By:

LHESLIE S. VILLA
MARK IAN E. CACHO
MELVIN D. ZAPATA

May 2019

COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

CERTIFICATION

This study entitled "**THE BASTION ANDROID BASED APP**", prepared and submitted by **Lheslie S. Villa, Mark Ian E. Cacho** and **Melvin D. Zapata** in partial fulfilment of the requirements for the degree of **Bachelor of Science in Information Technology** has been examined and recommended for Oral Examination.

DANIELA A. BACHILLAR, MSCS.
Adviser

APPROVAL

Approved by the Panel Examiners on Oral Examination on May 2, 2019 with the grade of _____.

ISRAEL M. CABASUG, MSCS.
Chairman

WALTER G. LARA
Member

DARYL JOHN C. RAGADIO
Member

Accepted in partial fulfilment of the requirements for the degree

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

6/7/2019
Date

MENCHIE A. DELA CRUZ, Ph. D.
Dean

ABSTRACT

Mobile applications (also known as mobile apps) are software programs developed for mobile devices such as smartphones and tablets. The project The Bastion Android Based App is an app that provide an alternative tool of publishing news article.

The study utilized descriptive research design with questionnaire supplemented with unstructured interviews as the main instrument in gathering data from ten (10) Bastion Staff and one hundred ninety (190) students using Sampling Technique. It covered to determine the respondents' perception on the software quality of President Ramon Magsaysay State University based on the following criteria of the system quality metrics in terms of functional suitability, performance efficiency, compatibility, usability, reliability, security, maintainability and portability. The respondents' perception on the level of acceptability in terms of functionality and performance. It also aimed to determine the respondents' perception on the degree by which they will recommend the acquisition and implementation of the proposed system when group according to profile values.

The respondents' evaluation on the Software Quality to the The Bastion Android Based App using the ISO/EIC 25010 rated as Excellent. The respondents' evaluation on the level of Acceptability to The Bastion Android Based App using the ISO/EIC 25010 rated as highly accepted. Based on the summary of the investigations conducted and the conclusions arrived at, the researchers have offered the following recommendations that the application may be implemented in

the Office of the Students Publication; that the application may utilize and install in the iOS operating system for its compatibility and portability; that the application may design the schedule of preventive maintenance to make free from errors malicious software.