



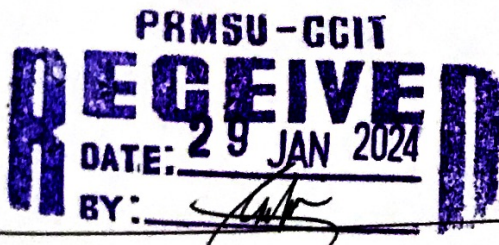
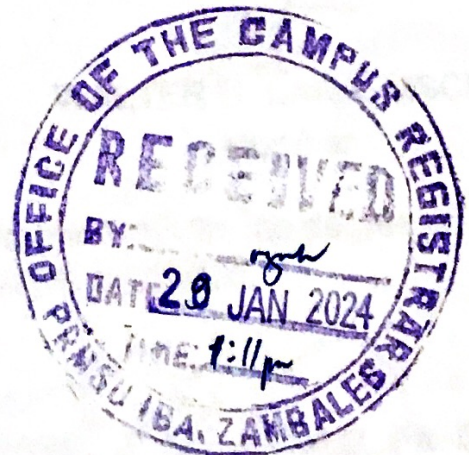
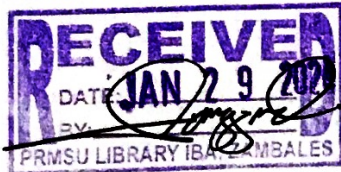
**COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY**

**Accommodations Establishments Mapping Application**

Ricardo D. Elemento Jr.  
Jeric Paulo Castillo  
Shermil Erl Quion  
Richard Vince R. Cartano

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

In Partial Fulfilment  
of the Requirements for the Degree  
Bachelor of Science in Computer Science



July 2021





**COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY**



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

**APPROVAL SHEET**

This study entitled "Accommodation Establishments Mapping Application" prepared and submitted by Richard Vince R. Cartano, Jeric Paulo Castillo, Ricardo Elemento Jr., Shermil Erl Quion in partial fulfillment of the requirements of the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE** are hereby recommended for oral examination.

  
**ENGR. CARL ANGELO S. PAMPLONA**  
Adviser

Approved by the Panel of the Oral Examination on July 19, 2021 with a grade of \_\_\_\_\_.

  
**DANIEL BACHILLAR, MSCS**

Chairman

  
**NERISSA L. JAVIER, MSCS**

Member

  
**WALTER G. LARA, MSCS**

Member

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

**7 NOV 2023**

Date Signed

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

Dean CCIT



**ABSTRACT**

Mapping applications have gone from a desirable feature to an essential part of any smart phone, whether a user is checking into a social network, looking for an establishment during the day and even in the middle of the night. In this project, an Android mapping application is developed. The developed application can display the map of Iba Zambales while online, show all the available establishments added on the app in Iba, Zambales how many people the establishment can accommodate or how many rooms are available and operating hours. It can also easily find the establishments just by searching it on the search box. In searching, it will be able to search the type of the establishment or the time it will open. When searching for the time, the map will show all the establishments that opens based on what time is inputted in the search box. The application needs further testing for more improvement.

The researchers thought that the development of the Accommodation Establishments Mapping Application will help the local tourism industry of Iba, Zambales. The tourists will be provided a map to guide them to locate the accredited beach resorts and hotel in Iba, Zambales. These accommodation establishments met the guidelines of local IATF and local Tourism Office to reopen their business.

The descriptive research design was employed in the study and quantitative in its analysis. A structured questionnaire was administered to collect the





## COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

responses from the responses in terms of the software quality and level of acceptability of the Accommodations Establishments Mapping Application. Descriptive research was used to describe a population, situation, or phenomenon accurately and systematically. The statistical tool such frequency and percentage distribution and weighted mean was used and 5 Likert scaling to measure the Software Quality and Level of Acceptability.

The Accommodations Establishments Mapping Application was highly acceptable on the application completeness with a weighted mean of 4.46 while the accuracy and consistency of the application task evaluated highly acceptable with a weighted mean of 4.31. The evaluation of the respondents on the level of acceptability of the Accommodations Establishments Mapping Application in terms of Functionality was 4.38 with a descriptive interpretation of Highly Acceptable. There was no significant difference in the evaluation of respondents on software quality in terms of functional suitability, performance efficiency, compatibility, usability, reliability, security, maintainability and portability. The functionality and the performance of the Accommodations Establishments Mapping Application was highly acceptable.

The researchers recommended the following; the application may improve on its features on the reliability whenever the presence of hardware and software fails. The application may provide a feature of user traceability to enhance the reliability. The application may have a setting menu for its maintainability to allow





## COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

the administrator to make changes, updates, and for maintenance. The application may be implemented by the Municipal Tourism Office that may be utilized and furthermore the Training for familiarization may be considered to the end-users of the application.

### ACKNOWLEDGEMENT

### ABSTRACT

### TABLE OF CONTENTS

### LIST OF TABLES

### LIST OF FIGURES

## CHAPTER 1. THE PROBLEM AND ITS BACKGROUND

### Introduction

### Background of the Study

### Conceptual Framework

### Statement of the Problem

### Significance of the Study

### Scope and Limitations

### Definition of Terms

## CHAPTER 2. REVIEW OF RELATED LITERATURE AND STUDIES

### Foreign Literature

### Local Literature

### Foreign Studies

### Local Studies