



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

CERTIFICATION

This thesis entitled "Android-Based File Locker Using Facial Recognition", prepared and submitted by Jorge C. Dingle Jr. and Nestor D. Fisco Jr. in partial fulfillment of the requirements for the degree Bachelor of Science in Computer Science, has been examined and recommended for Oral Examination.

ANDROID-BASED FILE LOCKER USING FACIAL RECOGNITION

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APPROVAL

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

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March 2017

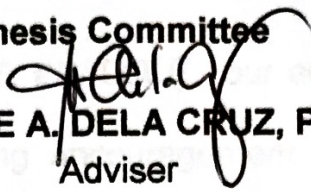


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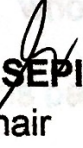
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Abstract

The researchers aimed to develop an Android-based File Locker Using Facial Recognition in which face recognition scheme was used to lock and unlock files. The application can be accessed with the help of android phones and has face registration feature for the security of the administrator/owner of the device in which they are the only authorized user who can manipulate the software as well as encrypt or decrypt the files.

The study sought to answer the following questions: 1. What is the software quality evaluation of the Android-based File Locker using Facial Recognition in terms of the ISO/ IEC 20501:2011 metrics: Functional suitability; Performance efficiency; Compatibility; Usability; Reliability; Security; Maintainability; and Portability? 2. What is the level of acceptability of the user respondents and system experts on the Android-based File Locker using Facial Recognition in terms of: Content; Aesthetic-value; User-friendliness/Ease of Use; Functionality; Performance; Cost; and Timeliness? 3. Is there a significant difference in the evaluation of the user respondents and system expert on the Android-based File Locker Using Facial Recognition using the ISO/IEC 20501:2011 metrics mentioned in problem number 1? And 4. Is there a significant difference in the level off acceptability of the user respondents and system experts on the Android-based File Locker Using Facial Recognition in terms of the parameters mentioned in problem number 2?



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The Android-based File Locker Using Facial Recognition application is rated as **“Very Good”** on the view of system expert and **“Very Good”** on the user-respondents. In terms of as the Level of Acceptability interpreted as **“Highly Acceptable”** on the view of system expert and **“Moderately Acceptable”** on the user-respondents. There is no significant difference in the software quality and level of acceptability between the perception of systems expert and user-respondent as computed in chapter 4. The Android-based File Locker Using Facial Recognition device should be implemented to help respondents secure their files

CHAPTER

1 THE PROBLEM AND ITS BACKGROUND

Introduction

Background of the study

Theoretical Framework

Conceptual Framework

Statement of the Problem

Hypotheses

Scope and Limitations

Significance of the Study

Definition of Terms

2 REVIEW OF RELATED LITERATURE AND STUDIES

Foreign Literature