



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

**MOBILE ORDERING SYSTEM FOR RESTAURANTS
IBA, ZAMBALES**

This entitled Mobile Ordering System for Restaurants prepared and submitted by Khrisselle M. Sobreto, Shella B. Elamparo, Lex M. Danaytan in partial fulfillment of the requirements for the degree Bachelor of Science in Computer Science has been examined and recommended for ORAL EXAMINATION.

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

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APPROVAL SHEET

This entitled **Mobile Ordering System for Restaurant**, prepared and submitted by Khrisselle M. Sobreo, Shella B. Elamparo, Lex M. Danaytan in partial fulfillment of the requirements for the degree, **Bachelor of Science in Computer Science** has been examined and recommended for **ORAL EXAMINATION**.

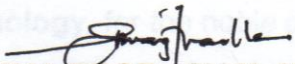

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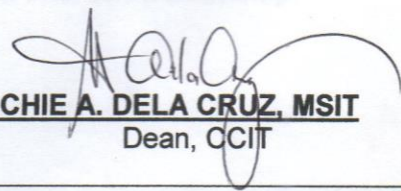
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ABSTRACT

Title : RMTU- STUDENT RECORDS INQUIRY

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College : COLLEGE OF COMMUNICATION IN
INFORMATION TECHNOLOGY

Institution : RAMON MAGSAYSAY TECHNOLOGICAL
UNIVERSITY

Degree : BACHELOR OF SCIENCE IN COMPUTER
SCIENCE

Academic Year : 2014 - 2015

Adviser : NEMIA M. GALANG, MSIT

Trends is not only applicable to food industry, it is also characterized by information and communication technology (ICT). On this field, mobility and connectivity and as well as bulk data banking are the most considered trends. Mobility is defined as the ability to move or be moved freely and easily. People nowadays are looking for gadgets that can be brought and use anytime and in anyplace – thus making tablets and smartphones appealing. Enormous data



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banking is another issue in information technology as business organizations raised their demands in keeping their record intact and make it always available no matter what and it gives way to cloud technology.

This study entitled “Mobile Ordering System for Restaurant” sought to integrate the advantages in Information Technology by giving the fast food restaurant industry new methodology in ordering and advertising their products using mobile devices.

This study aims to construct Mobile Ordering System for Restaurant in order to promote a new way of presenting food and other consumables of restaurants to its customers in the local of Iba, Zambales. Specifically to pursue answers on the following;

1. What is the profile of the respondents in terms of;

- a. Age;
- b. Gender;
- c. Type of respondent;
- d. Position;
- e. Smartphone Usage;
- f. Level of usage of android technology; and
- g. Years in restaurant operations?

2. What is the assessment of the mobile ordering system as perceived by the respondents in terms of;

- a. Performance;



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- b. User-friendliness;
- c. Flexibility of the application; and
- d. Appearance?

3. Is there a significant difference between ordering systems using the android application to the traditional method?

A descriptive methods is used in this study to completely show environment of the procedures used and problems met by the people involved in the existing of the operation. It involves recording, description and the presentation of the present system, composition and phenomena.

The questionnaire is the main tool in gathering of data. The main objective of this type of research is to describe and interpret the data and characteristics of what is being studied. The idea behind this type of research is to study frequencies, percentage, and weighted mean.

To prove the importance of proposing this system, the researchers employed various data gathering procedures such as series of interviews, observations, the use of researcher-designed questionnaire, and surveys to secure the much needed information.

The population of the study were 8 female, 7 male who are available at the time when the questionnaires was distributed. The respondents were from the different restaurant in Iba, Zambales.



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The statistical instruments used were frequency count, the percentage, weighted mean and t-test.

From the total number of fifteen (15) respondents the proponents observed that majority of them are aging from between 20 to 25 years old and more than 30 years of age both categories got five (5) respondents on it which corresponds to 33.33%. It is followed by respondent whose age is less than 20 years old which corresponds to 20.00% and the remaining two (2) respondents are aging from 26 to 30 years old.

The proposed android application known as Mobile Ordering System for Restaurant was being tested in the field, it was being rated by people interviewed by the proponents and acquired the rating based on the experience of the respondents the following are the major criteria in grading the android application;

For the first criteria, the overall rating received by Mobile Ordering System is 4.7 / 5.0 which represent their "Strong Agreement" on the performance shown by the proposed application.

User-friendliness has the highest rated criterion as per rated by the respondents which received an overall marking of 4.8 which is higher than performance and flexibility by 0.1.

The characteristic of Mobile Ordering System was being measured by five questions. For the overall rating the flexibility of Mobile Ordering System for



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Restaurant received a mark of 4.6 which also has a descriptive rating of "Strongly Agree".

The total markings received by the Mobile Ordering System for Restaurant in terms of appearance is 4.7 which described that the respondents are "Strongly Agree" on the current looks and set up of the android application.

There is a statistical significant difference between ordering system using the android application to the traditional method in terms of number of orders accommodated by the service food provider toward its consumer.

Based on the findings, the profiles age, type of respondent, position of the respondent (if it is a service provider type), level of knowledge of respondents in terms of mobile phone usage, the frequency of mobile phone usage and the length of connection of respondents in restaurant business, are important factors on giving an effective rating and high level of interest in the proposed application.

The overall assessment of the Mobile Ordering System for Restaurant android application is highly-accepted because of the following high ratings received from different measurements such as performance, user-friendliness and flexibility.

Based on the conclusion of the study the following recommendations are being considered by the proponents for the readers, students, store owners and future researchers;

The proponents would like to recommend the testing of the validity of the system in other types of commodities which is excluded in the study; the



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application of voice-command features in conducting order services in order to improve user interaction; a creation of other mobile phone platform counterparts of the proposed android application such as blackberry, iOS for iphone, and windows for windows-based gadgets and mobile devices.

CERTIFICATION AND APPROVAL SHEET i

ACKNOWLEDGMENT iii

ABSTRACT v

TABLE OF CONTENTS xi

LIST OF TABLES xiv

LIST OF FIGURES xvi

CHAPTER I. THE PROBLEM AND ITS BACKGROUND

Introduction 1

Background of the Study 3

Theoretical Framework 4

Conceptual Framework 5

Paradigm of the Study 9

Statement of the Problem 9