COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

MOBILE ORDERING SYSTEM FOR RESTAURANTS
IBA, ZAMBALES

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

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

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March 2015

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COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

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.**
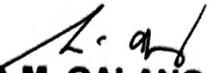
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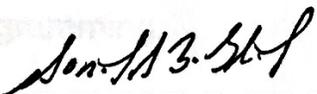
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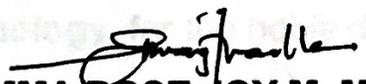
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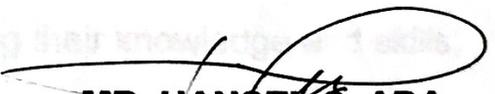
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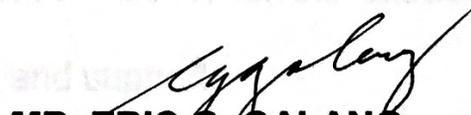
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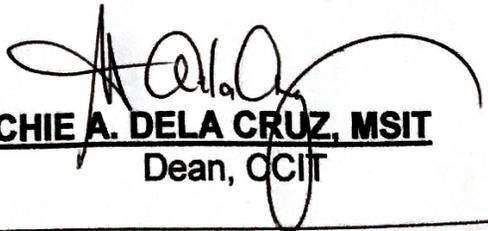
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ABSTRACT

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

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;

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.

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

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.