



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

**RMTU STUDENT ID SYSTEM**

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A Thesis Presented to the  
Faculty of College of Communication and Information Technology  
in Partial fulfillment of the requirements for the Degree,  
Bachelor of Science in Information Technology  
Ramon Magsaysay Technological University  
Iba Campus Iba, Zambales

March 2015

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CERTIFICATION

This thesis "RMTU STUDENT ID SYSTEM", prepared and submitted by: **Mylene B. Pidoc, Dario G. Alluso Jr. and Harold M. Acupan** in partial fulfillment of the requirements for the degree **Bachelor of Science in Information Technology**, has been examined and recommended for Oral Examination.

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**ABSTRACT**

Title : RMTU Student ID System

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College : College of Communication and Information Technology

Degree : Bachelor of Science in Information Technology

Institution : Ramon Magsaysay Technological University

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The main purpose of the study has focused to developed an application that will inform the parents or guardians of every student at Ramon Magsaysay Technological University – Iba, Zambales directly through their cellphones which intended to be used by the target school in monitoring whenever the student has entered or left the school premises, in the most effective and efficient way.

The Statement of the problem focused in obtaining the effectiveness of the proposed RMTU Student ID System for the Ramon Magsaysay Technological University – Iba Campus, Iba, Zambales.



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Specially, it sought to answer the following question:

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

1.1. age;

1.2. gender; and

1.3. classification?

2. What are the respondents perceptions on the level of efficiency of the existing system in terms of:

2.1. accuracy;

2.2. security;

2.3. speed of Processing;

2.4. maintainability; and

2.5. usability?

3. What are the respondents perception on the level of efficiency of the proposed system in terms of:

3.1. accuracy;

3.2. security;

3.3. speed of processing;

3.4. maintainability; and

3.5. usability?



4. What are the respondents perception on the level of satisfaction of efficiency proposed system in terms of:

3.1. Accuracy;

3.2. Security;

3.3. Speed of Processing;

3.4. Maintainability; and

3.5. Usability?

A combination of descriptive and analytical methods is use 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 checklist 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 a monitoring 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.



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The population of the study were 52 students, 33 parents/guardian of the students and 15 personnel of the Ramon Magsaysay Technological University in Iba, Zambales. The students were from the College of Communication and Information Technology. For the personnel, the deans, teachers and the administration together with the security guards.

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

As seen from the table, out of 100 respondents, 47 or 47% of the respondents are 16-25, 23 or 23% are 26-35, 20 or 20% are 36-55, while 8 or 8% are 56-65, and 2 or 2% are 65 and above.

As gleaned from the table, the Systems Quality Metrics (1) accuracy, has a mean of 2.33, interpreted as Less Efficient; item indicator (2) security, has a mean of 2.94, interpreted as Moderately Efficient; moreover, item indicator (3) speed of processing, has a mean of 2.44, interpreted as Less Effective; item indicator (4) maintainability, has a mean of 2.26, interpreted as Less Effective; and (5) usability, has a mean of 2.27, interpreted as Less Effective; The overall mean is 2.45, interpreted as Less Effective.

As gleaned from the table, the Systems Quality Metrics (1) accuracy, has a mean of 4.56, interpreted as Very Much Efficient; item indicator (2) security, has a



mean of 4.22, interpreted as Very Much Efficient; moreover, item indicator (3), speed of processing, has a mean of 4.55, interpreted as Very Much Efficient; item indicator (4) maintainability, has a mean of 4.57, interpreted as Very Much Efficient; and (5) usability, has a mean of 4.62, interpreted as Very Much Efficient; The overall mean is 4.50, interpreted as Very Much Efficient.

It has been seen that there is no significant difference on the perception of the respondents in the Systems Quality Metrics between the Existing and the Proposed System.

The overall Perception on the level of Satisfaction of the Efficiency of the proposed system is Very Much Efficient.

The researcher hypothesized that there is no significant difference on the level of satisfaction between existing system and the proposed System.

A typical respondents are students of College of Communication and Information Technology. The respondents perceived the level of efficiency of the existing system as less efficient. The respondents perceived the level of efficiency of the proposed system as very much efficient.

As it gleaned from the results, the mean of the proposed system is 4.50 which is significantly higher than the mean of the existing system which is 2.45 with significance level of .000 which is lower than the level of significance of 0.05 two



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tailed, thus the null hypothesis is rejected. This implies that the perception of the respondents between the existing and the proposed system is highly significant.

It is recommended by the researchers the university must immediately implemented the study. This must also be implemented in the other campuses of Ramon Magsaysay Technological University. With the implementation of the Student ID System for Ramon Magsaysay Technological University will be a great help to the relatives of students enrolled in the said institution. The research undertaking must be done to further improve its features and capabilities.

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