



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

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**ONLINE STUDENTS' ACADEMIC MONITORING SYSTEM FOR THE  
COLLEGE OF COMMUNICATION AND INFORMATION  
TECHNOLOGY IN RAMON MAGSAYSAY  
TECHNOLOGICAL UNIVERSITY  
- IBA CAMPUS**

A Thesis Presented to the  
Faculty of the 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 Information Technology

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**LAURENCE F. ECHON  
IAN D. DALAODAO**  
March 2016

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**CERTIFICATION**

This thesis entitled "Online Students' Academic Monitoring System for the College of Communication and Information Technology in Ramon Magsaysay Technological University – Iba Campus", prepared and submitted by Laurence F. Echon and Ian D. Dalaodao 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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**APPROVAL**

Approved by the **PANEL OF EXAMINERS** on Oral Examination on March 7, 2016 with the grade of \_\_\_\_\_.

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Accepted in partial fulfillment of the requirements for the degree Bachelor of Science in Information Technology.

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### ABSTRACT OF THE STUDY

The main objective of the study was the development of a web-based system which could perform a monitoring of the students of the College of Communication and Information Technology with regards to their academic behavior through the creation of the Online Students' Academic Monitoring System for the College of Communication and Information Technology in Ramon Magsaysay Technological University – Iba Campus.

The study focused in the assessment of the student's subject attendance to provide a systematic implementation of the school rules regarding class attendances.

The respondents were three (3) target admins, three (3) faculty members, thirty-two (32) students enrolled under the department of CCIT and twelve (12) parents or guardians. A total of fifty (50) respondents are involved in the study as they assess the effectiveness of the proposed system.

The questionnaire is formed in three parts. The first part aimed to establish the respondent's profile such as their name (optional), user type, sex, age and course (for student).

The second part solicited the respondents' perceptions on the level of effectiveness of the proposed system in relation to the functionality, reliability, usability, efficiency, maintainability, and portability criteria of the System Quality Metrics (SQM).



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In their attempt to answer the different questions cited, the researchers employed various data gathering procedures such as doing observations, conducting interviews, floating and retrieval of questionnaire.

Statistical measurements used in the study include frequency and percentage distribution and computation of weighted means.

After all of data is gathered, analyzed and interpreted, the researchers were able to draw the following conclusions. Respondents were mostly female students under the age class of 15-23, taking up Bachelor of Science in Information Technology. The respondents perceived the overall level of effectiveness of the proposed system as Much Effective (ME) at a numerical rating of 4.14. The weighted mean for the degree by which the respondents would recommend the acquisition and implementation of the proposed system was computed at 4.2 with a descriptive value of "Highly Recommended".

In the view of the findings and conclusions of the study, the researchers made the following recommendations. The proposed system be acquired and utilized in the College of Communication and Information Technology in order to have an online monitoring of the students, a Short Message Service (SMS) would be a good addition to the system's features, and continuous study of the proposed system must be conducted for further enhancements.