COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

ONLINE LIBRARY SYSTEM FOR RAMON MAGSAYSAY TECHNOLOGICAL UNIVERSITY IBA
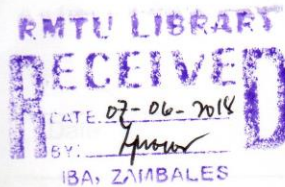
A Thesis
Presented to the Faculty of the
College of Communication and Information Technology
Ramon Magsaysay Technological University
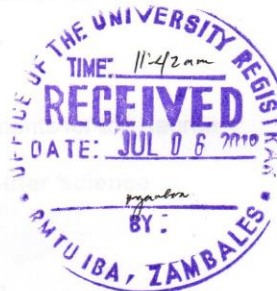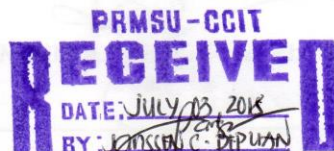Iba, Campus, Iba, Zambales

In Partial Fulfillment
Of the Requirements for the Degree
Bachelor of Science in Information Technology

by

VINCENT MAR A. ARIZO
LEONEL C. DITONA
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COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

CERTIFICATION

This thesis entitled "**Online Library System For RMTU-Iba**", prepared and submitted by **Vincent Mar A. Arizo, Leonel C. Ditona** and **Ronel M. Rivera** in partial fulfillment of the requirements for the degree of **Bachelor of Science in information Technology**, has been examined and recommended for Oral Examination.

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APPROVAL SHEET

Approved by the PANEL OF EXAMINERS on Oral Examination on March

13, 2018 with a grade of _____.

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Accepted as partial fulfillment of the requirements for the degree

Bachelor of Science in Computer Science
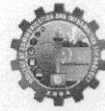
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Date

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ABSTRACT

An Online Library System for Ramon Magsaysay Technological University-Iba aimed to provide a library system in which will be helpful in management and security of books for the library staff and students. The system also provides an online access in the library in which convenient to users. The system displays the book inventory such book title, quantity, author and availability for use. The system also has user registration to detect how many user accessing the system and who borrowed a book but for the user to be able to register they must go to the library for profiling. The system offers a notification to manage and control the borrowing process. The system provides ease of work for librarian and encourage students to use the library.

The conceptual framework of the study using Input-Process-Output Model has input that presents the development of the system based on the user requirements and designing through the different terms such software quality, level of acceptability and level of readiness for use. The development process guided with such programming tools, research methodology and different statistical tool for the evaluation of the system. The output shows the developed and evaluated system as to its requirements.

There were one hundred forty (140) total respondents of the Online Library System for RMTU-Iba. The system was Excellent in terms of software quality based on the perception of the system experts. The system level of acceptability rated as Highly Acceptable in the perception of system experts and Acceptable in

the perception of user respondents. In the level of readiness, the system rated as Highly Ready for implementation in the perception of the system experts and Ready in the perception of user respondents. The proposed system will provide convenience to the students of Ramon Magsaysay Technological University upon searching books.

In order to enhance the system researchers recommended the implementation of the system to test the effectiveness of the study also if possible the system should be accessible through mobile phones and tablets and notify the user through the use of SMS.