



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

**PAMIBIAN INTEGRATED SCHOOL-SENIOR HIGH
E-LEARNING MANAGEMENT SYSTEM**

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A Thesis

In partial Fulfillment of the Requirements

for the degree of Bachelor of Science in Information Technology

College of Communication and Information Technology

President Ramon Magsaysay Technological University

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APPROVAL SHEET

This study entitled "**PAMIBIAN INTEGRATED SCHOOL-SENIOR HIGH ELEARNING MANAGEMENT SYSTEM**" prepared and submitted by SHAINA MAE A. EDQUILANG, JANPERSON M. AGUILLON, LUIJY H. EDQUIBAL, JENNY ANN D. ENILO in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY** are hereby recommended for oral examination.


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Approved by the Panel of the Oral Examiners on February 3, 2020 with a grade of _____.

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EXECUTIVE SUMMARY

This study dealt with the development of the Pamibian Integrated School-Senior High eLearning Management System which evaluated by the Teachers and Students.

Specifically, the study answered the following questions: What is the level of system quality of the Pamibian Integrated School-Senior High eLearning Management System as evaluated by teachers using the ISO 25010:2011 software quality characteristics in terms of Functional Suitability, Performance Efficiency, Compatibility, Usability, Reliability, Security, Maintainability and Portability? What is the level of system quality of the Pamibian Integrated School-Senior High eLearning Management System as evaluated by students using the ISO 25010:2011 software quality characteristics in terms of Functional Suitability, Performance Efficiency, Compatibility, Usability, Reliability, Security, Maintainability and Portability? What is the level of acceptability of the Pamibian Integrated School-Senior High eLearning Management System as perceived by teachers in terms of Content, Accuracy, Ease of Use, Timeliness and Security? What is the level of acceptability of the Pamibian Integrated School-Senior High eLearning Management System as perceived by students in terms of Content, Accuracy, Ease of Use, Timeliness and Security? Is there a significant difference on respondent evaluation on the software quality of the Pamibian Integrated School-Senior High eLearning Management System using the ISO 25010:2011? Guided by these questions, the proponents developed by system according to the software quality metrics from the ISO/IEC 25010:2011 and based on the client.



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They used questionnaires, beta versions, and interviews in order to yield the best version of the system. Weighted mean is the statistical tool that was used. The significant findings of the study were the teacher Evaluation on the Level of System Quality of the Pamibian Integrated School-Senior High E-Learning Management System is interpreted as "Excellent". The students Evaluation on the Level of System Quality of the Pamibian Integrated School-Senior High E-Learning Management System is interpreted as "Excellent". The teachers Perception on the Level of Acceptability of the Pamibian Integrated School-Senior High E-Learning Management System is interpreted as "Highly Acceptable". The students Perception on the Level of Acceptability of the Pamibian Integrated School-Senior High E-Learning Management System is interpreted as "Highly Acceptable". There is no significant difference the respondents' evaluation on the system quality using ISO/IEC 25010:2011 system quality metrics of the Pamibian Integrated School-Senior High E-Learning Management System.