



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

**WEB BASED INFORMATION MANAGEMENT SYSTEM
FOR MASINLOC REHABILITATION
CENTER**

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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 State University
Masinloc, Zambales**

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APPROVAL SHEET

This, study entitled **“WEB BASED INFORMATION MANAGEMENT SYSTEM FOR MASINLOC REHABILITATION CENTER”** prepared and submitted by **ED ANDREW C. HEBRON, CHRISTIAN ARGEL B. ELAMPARO, MARC LESTER F. IMPERIAL, DHEN S. YAP** in partial fulfilment 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 2, 2022 with a grade of _____.

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EXECUTIVE SUMMARY

This study dealt with the development of the Web Based Information Management System for Masinloc Rehabilitation Center which evaluated by the Staff and our Patients.

Specifically, the study answered the following questions: What is the level of system quality of the Web Based Information Management System for Masinloc Rehabilitation Center as evaluated by Staff 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 Web Based Information Management System for Masinloc Rehabilitation Center as evaluated by patients 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 Web Based Information Management System for Masinloc Rehabilitation Center as perceived by Staff in terms of Content, Accuracy, Ease of Use, Timeliness and Security? What is the level of acceptability of the Web Based Information Management System for Masinloc Rehabilitation Center as perceived by patients 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 Web Based Information Management System for Masinloc Rehabilitation Center 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 staff Evaluation on the Level of System Quality of the Web Based Information Management System for Masinloc Rehabilitation Center is interpreted as "Excellent". The patients Evaluation on the Level of System Quality of the Web Based Information Management System for Masinloc Rehabilitation Center is interpreted as "Excellent". The staff Perception on the Level of Acceptability of the Web Based Information Management System for Masinloc Rehabilitation Center is interpreted as "Highly Acceptable". The patients Perception on the Level of Acceptability of the Web Based Information Management System for Masinloc Rehabilitation Center 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 Web Based Information Management System for Masinloc Rehabilitation Center.