# COMPUTER AIDED INSTRUCTION FOR PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY NORTH CAMPUSES MASINLOC, ZAMBALES

**A Thesis**
**Presented to**
The Faculty of the College of Communication and Information Technology
President Ramon Magsaysay State University
Masinloc, Zambales

**In Partial Fulfilment**
**Of the Requirement for the Degree**
Bachelor of Science Information Technology

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May 2019

## APPROVAL SHEET

**Republic of the Philippines**
**College of Communication and Information Technology**
**President Ramon Magsaysay State University**
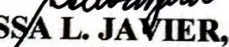**Masinloc, Zambales**
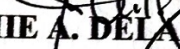
# COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

A research study presented to the faculty of the College of Communication and Information Technology in partial fulfilment of the requirement for the Degree Bachelor of Science in Information Technology:
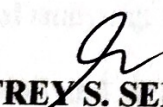
## COMPUTER AIDED INSTRUCTION FOR PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY NORTH CAMPUSES

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# ABSTRACT

This study dealt with the development of the Computer Aided Instruction for President Ramon Magsaysay State University North Campuses which evaluated by the Teachers, Students and our Client.

Specifically, the study answered the following questions: What is the level of system quality of the Computer Assisted Instruction for President Ramon Magsaysay State University North Campuses 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 Computer Assisted Instruction for President Ramon Magsaysay State University North Campuses 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 acceptability of the Computer Assisted Instruction for President Ramon Magsaysay State University North Campuses as perceived by Teachers' in terms of Content, Accuracy, Ease of Use, Timeliness and Security? What is the level of acceptability of the Computer Assisted Instruction for President Ramon Magsaysay State University North Campuses 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 Computer Assisted Instruction for President Ramon Magsaysay State University North Campuses 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. 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 teachers Evaluation on the Level of System Quality of the Computer Aided Instruction for President Ramon Magsaysay State University North Campuses is interpreted as "Excellent". The students Evaluation on the Level of System Quality of the Computer Aided Instruction for President Ramon Magsaysay State University North Campuses is interpreted as "Excellent". The teachers Perception on the Level of Acceptability of the Computer Aided Instruction for President Ramon Magsaysay State University North Campuses is interpreted as "Very Acceptable". The students Perception on the Level of Acceptability of the Computer Aided Instruction for President Ramon Magsaysay State University North Campuses is interpreted as "Very Acceptable". There is no significant difference the respondents' evaluation on the system quality using ISO/IEC 25010:2011 system quality metrics of the Computer Aided Instruction for President Ramon Magsaysay State University North Campuses.

The researchers have offered the following recommendations: The researchers recommend that Subject should adopt the Computer Aided Instruction for President Ramon Magsaysay State University North Campuses Application. Add other use of quizzes and exam into the subjects. Create some actual quizzes to motivate the students of their subject. Constantly maintain the system to prevent malfunctions and to detect bugs and errors.

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Continuous research and improvements should be done for the system to cope up with the rapid development of information technology.