

Library Management System of Sta. Cruz National High School

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**Submitted in Partial Fulfillment of the Requirements for the Degree of
Bachelor of Science in Computer Science
President Ramon Magsaysay State University
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COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

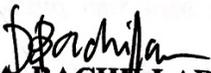
The study hereto attached entitled

Library Management System of Sta Cruz National High School

prepared and submitted by **ALVEN JUDE M. MERA, JESSIE M. HERMOCILLA**
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is hereby recommended for oral examination

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BACHELOR OF SCIENCE IN COMPUTER SCIENCE

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Date of Oral Defense

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Abstract

This study aimed to assess the Library Management System of Sta Cruz National High School in software quality, level of acceptability, and level of readiness of Sta Cruz National High School for its implementation based on the respondent's evaluation. The study made use of descriptive method of research. The specific descriptive research technique used were survey and content analysis. This study involved Faculty and Students of Sta Cruz National High School as respondents with a total of 246 respectively. The number of respondents determined by the use of purposive sampling technique at 0.05 margin of error. The software quality assessed based on the ISO/IEC 20501 metrics in terms of functional sustainability, performance efficiency, compatibility, usability, reliability, security, maintainability and portability. The level of acceptability of the Sta Cruz National High School determined through functionality and performance. The level of readiness of implementation was measured based on i facility and technical personnel.

The study revealed that Software Quality of Library Management System of Sta Cruz National High School using the ISO/IEC 20501 metrics was evaluated by respondents as "Excellent" in terms of functional sustainability, performance efficiency, compatibility, usability, reliability, security, maintainability and portability where the respondent obtained a higher mean score of 4.70 in terms of usability, this result could be attributed to the fact that the system has all the functions and capabilities ; That The Information (such us modifying data of the Borrowers and other documentation)provided with this system was clear; That the librarian and borrowers become productive quickly using this systems; The librarian was easy to learn to use this system;The interface of this system was pleasant ; the level of acceptability of the

respondents described as "Highly Acceptable" in terms of functionality and performance that the system improves job performance and increases productivity of the personnel because of the fast turn-around of service to the user; and for the level of readiness of the Sta Cruz National High School for the implementation of Library Management System of Sta Cruz National High School described as "Very Ready" in terms of facility and technical personnel.