

Library Management System of Sta. Cruz National High School

**ALVEN JUDE M. MERA
JESSIE M. HERMOCILLA
JOHN MICHAEL M. MUSA
MAY ANN M. ELAOG**

**Submitted in Partial Fulfillment of the Requirements for the Degree of
Bachelor of Science in Computer Science
President Ramon Magsaysay State University
Sta. Cruz, Zambales**

July 23, 2021



Republic of the Philippines

PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY
Sta. Cruz campus



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**
JOHN MICHAEL M. MUSA and **MAY ANN M. ELAOG**
is hereby recommended for oral examination

JOHN APRIL N. MARPA, MSCS
Adviser

Approved by the Committee of Oral Examination

DANIEL A. BACHILLAR, MSCS
Chairperson

HANSEL D. ADA
Member

LEOPOLDO E. CASTRO
Member

Accepted and approved as a requirement for the Degree
BACHELOR OF SCIENCE IN COMPUTER SCIENCE

July 23, 2021
Date of Oral Defense

Approved:
NOEL B. MERIN, LPT
Campus Director

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 as 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.