

Barangay Naulo Computerized Management Information System

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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
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

Barangay Naulo Computerized Management Information System

prepared and submitted by **MIGUEL M. VENTANILLA JR., JOHN JOSE E. EBUENGA, MYLENE M. SARAÑA** and **CHESTER M. BALINOS**
is hereby recommended for oral examination


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Approved by the Committee of Oral Examination

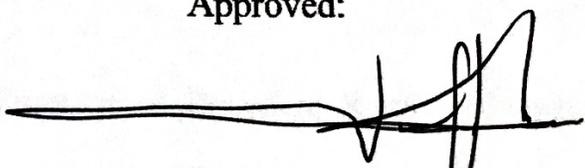

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July 23, 2021
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ABSTRACT

This study aimed to assess the Barangay Naulo Computerized Management Information System in software quality, level of acceptability, and level of readiness of Barangay Naulo, Sta. Cruz, Zambales for its implementation based on the respondent's evaluation.

The study made used of descriptive method of research. The specific descriptive research technique used were survey and content analysis. This study involved resident and barangay staff of Barangay Naulo Sta. Cruz Zambales as respondents with a total of 146 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 Barangay Naulo, Sta. Cruz, Zambales determined through functionality and performance. The level of readiness of implementation was measured based on facility and technical personnel.

The study revealed that Software Quality of Barangay Naulo Computerized Management Information System 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 4.89 in terms of performance efficiency, that the system performance relative to the amount of resources used under stated conditions; that the system response and processing times and throughout rates of a system when performing its functions and system can complete it task with less competition among

other software or application installed in the computer; 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 Barangay Naulo, Sta. Cruz, Zambales for the implementation of Barangay Naulo Computerized Management Information System described as "Very Ready" in terms of facility and technical personnel.