STUDENTS ATTENDANCE MONITORING SYSTEM IN STA CRUZ NATIONAL HIGH SCHOOL

Beltran, Michelle G.
Bernal, Bryan Anthony M.
Madreo, Fermar C.
Malong, Christopher M.
Mayo, Emelyn M.
Noble, Ephraim D.

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In partial Fulfillment of the Requirements
for the degree of Bachelor of Science in Computer Science
College of Communication and Information Technology
President Ramon Magsaysay State University
Sta. Cruz, Zambales

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Republic of the Philippines
PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY
College of Communication and Information Technology
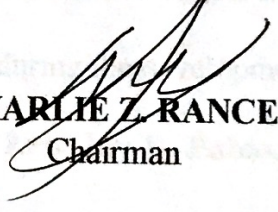Sta. Cruz, Zambales

APPROVAL SHEET

This, study entitled **"Students Attendance Monitoring System in Sta. Cruz National High School"** prepared and submitted by MICHELLE G. BELTRAN, BRYAN ANTHONY M. BERNAL, FERMAR C. MADREO, CHRISTOPHER M. MALONG, EMELYN M. MAYO, and EPHRAIM D. NOBLE, in partial fulfilment of the requirements for the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE** is hereby recommended for oral examination.
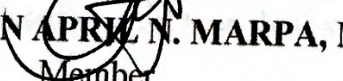
ELEMAE R. LINGA
Adviser

Approved by the Panel of the Oral Examiners on May 19, 2023 with a grade of _____.
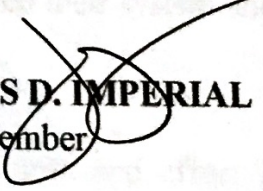
CHARLIE Z. RANCE
Chairman

06/12/2023

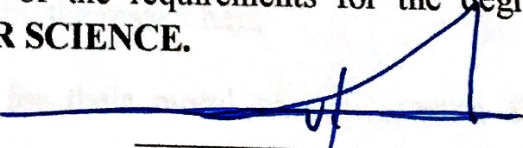**ANALYN H. EDAÑOL**
Member

JING JING GONGORA
Member

JOHN APRIL N. MARPA, MSCS
Member

MC JULUIS D. IMPERIAL
Member

Accepted and approved in partial fulfilment of the requirements for the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE.**

06-20-23
Date Signed

NOEL B. MERIN
Campus Director

EXECUTIVE SUMMARY

The Students Attendance Monitoring System in Sta. Cruz National High School is a web-based program that get easier taking attendance for every student. The teacher has easily monitored their student attendance. The project is new method for taking attendance which is different from the usual taking attendance. The system makes the work of the teachers and administrator more comfortable, easy, and efficient. The student easily take attendance by using their Qr code. Teachers under their supervision the attendance of their students and teachers can handle the summary of reports by all, by single date, and by date range as a summary of the attendance of their students.

The study made use of a descriptive method of research. The specific descriptive research technique used was a survey and content analysis, to completely show an evaluation of the Student Attendance Monitoring in Sta Cruz National High School in Malabago Sta. Cruz Zambales.

The respondent's perception towards the software quality of Students Attendance Monitoring System in Sta. Cruz National High School in terms of ISO/IEC 20501 metrics: (a) functional sustainability, obtained an average weighted mean 3.74 and interpreted as Excellent, (b) performance efficiency, obtained an average weighted mean 3.68 and interpreted as Excellent, (c) compatibility, obtained an average weighted mean 3.66 and interpreted as Excellent, (d) usability, obtained an average weighted mean 3.81 and interpreted as Excellent, (e) reliability, obtained an average of 3.83 and interpreted as Excellent, (f) security, obtained an average of 3.79 and interpreted as Excellent, (g) maintainability, obtained an average of 3.88 and interpreted as Excellent, and (h) portability, obtained an average of 3.78 and interpreted as Excellent.

Based on the findings and conclusions of the research on the of Students Attendance Monitoring System in Sta. Cruz National High School, the following recommendations are suggested (1) The full implementation of the Students' Attendance Monitoring System is recommended. A re-evaluation of the software is also recommended after a certain period of actual implementation to validate the results of this study. (2) It is strongly recommended that the schools should encourage students and teachers to utilize the system. It is only through using the system that students and teachers could maximize its benefits as well as contribute to the enhancement of the system. (3) It is also recommended that the schools should have a system Administrator for the system management and maintenance. (4) To sustain the implementation and further improve the system, it is recommended that the schools should have IT facilities dedicated for the system to accommodate its user, it is also recommended that the administration should look into the possibility of having a long-term plan for IT infrastructure development to prepare the schools for future expansion of information systems.