COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

ONLINE GRADING SYSTEM FOR PUBLIC HIGH SCHOOL IN STA. CRUZ, ZAMBALES

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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
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APPROVAL SHEET

This, study entitled **"ONLINE GRADING SYSTEM FOR PUBLIC HIGH SCHOOL IN STA.CRUZ, ZAMBALES"** prepared and submitted by **BRYAN M. MOVILLA, CARMELLA I. OREIRO, GERAMIE M. PAMOLERAS, LAURENCE D. MORTEL, MA. ELOISA P. RAVANA AND RAYMARK M. MAGNO** in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE** are hereby recommended for oral examination.

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Adviser

Approved by the Panel of the Oral Examiners on May 19, 2023 with a grade of_____.

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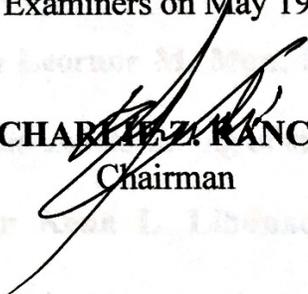
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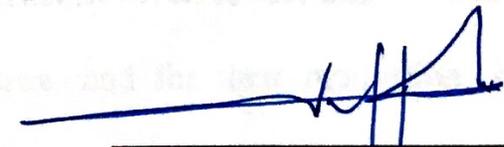
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EXECUTIVE SUMMARY

The Online Grading System for Public High School in Sta. Cruz, Zambales is a web-based program that allows the students and parents to view their grades. The project will convert the current method of manual grading process to automated online grading process. Make the work of the students, teachers, and administrator more comfortable, easy, and efficient. Help parents to check their student's grades thru online.

This 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 Online Grading System for Public High Schools in Sta. Cruz, Zambales.

The respondent's perception towards the software quality of Online Grading System for Public High School in Sta. Cruz, Zambales in terms of ISO/IEC 20501 metrics: the average weighted mean for functional sustainability was 3.67 for admin respondents, 3.87 for teachers and students, all rated as "Excellent," and 3.52 for parents, also interpreted as "Excellent," according to the quantitative description. The average weighted mean of performance efficiency was 3.67 for both admin and student respondents, both rated as "Excellent." The rating for teachers was 3.64, also interpreted as "Excellent," and for parents, it was 3.46 according to the quantitative description. The average weighted mean for compatibility was 3.56 for admin, 3.59 for teachers, 3.70 for students, and 3.39 for parents, all interpreted as "Excellent" according to the quantitative description. The average weighted mean for usability was 3.47 for admin, 3.43 for teachers, 3.79 for students, and 3.42 for parents, all rated as "Excellent" according to the quantitative description. The average weighted mean for reliability was 3.67 for admin, 3.44 for teachers, 3.69 students, and 3.33 for parents, all rated as "Excellent" according to the quantitative description. The

average weighted mean of security 3.89 for admin, 3.54 for teacher, 3.83 for student and 3.50 for parent, all rated as "Excellent" according to quantitative description. The average weighted mean for maintainability was 4.00 for admin, 3.49 for teachers, 3.72 for students and 3.39 for parents, all rated as "Excellent" according to the quantitative description. The average weighted mean of portability for admins is 3.56, for teachers is 3.25, for students is 3.74, and for parents is 3.51, all interpreted as "Excellent" according to quantitative description. The average weighted mean of functionality for admins is 3.67, for teachers is 3.26, for students is 3.56, and for parents is 3.65, all interpreted as "Highly Acceptable" according to quantitative description. The average weighted mean of performance for admins is 3.67, for teachers is 3.28, for students is 3.75, and for parents is 3.65, all interpreted as "Excellent" according to quantitative description.

Based on the findings and conclusions of the research on the Online Grading System for Public High School in Sta. Cruz, Zambales, the following recommendations are suggested: (1) To provide a feedback feature, and address questions, it is recommended to add a messaging or discussion forums, to facilitate communication between teachers, students and parents; (2) To access the printer without the need for physical connection or transferring files, it is recommended to add a wireless printing feature to allow print from various devices such as laptop, smartphones or tablets; and (3) To help promote consistency in grading practices ensuring fairness and equity for all students, it is recommended to upgrade the accessibility of the Online Grading System for the whole province of Zambales.