AUTOMATED FACULTY EVALUATION SYSTEM FOR PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY CASTILLEJOS CAMPUS

A Thesis presented to the faculty of the
College of Communication and Information Technology
PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY
CASTILLEJOS CAMPUS
Castillejos, Zambales

In Partial Fulfillment of the
Course Requirements for the Degree of
BACHELOR OF SCIENCE IN COMPUTER SCIENCE

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April 2024

APPROVAL SHEET

The thesis project entitled **"Automated Faculty Evaluation System for President Ramon Magsaysay State University Castillejos Campus"** was prepared and submitted by **Noel Lito B. Abobo, Noah Liwanagan, and Ronaldo M. Santos Jr.** in partial fulfillment of the course requirements for the degree of **Bachelor of Science in Computer Science** has been examined and recommended for the oral examination.
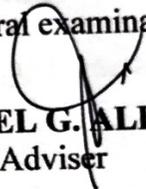
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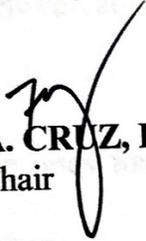
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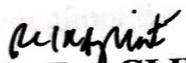
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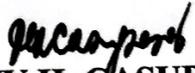
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Abstract

In this study, the researchers developed an Automated Faculty Evaluation System for President Ramon Magsaysay State University Castillejos Campus. The system aimed to modernize and streamline the faculty evaluation process by incorporating advanced artificial intelligence capabilities for text analysis and sentiment assessment.

The project utilized a quantitative research approach, implementing the Agile Methodology to create a prototype system for evaluation. A survey questionnaire based on ISO 25010 standards was administered to 258 individuals selected through stratified random sampling to evaluate user satisfaction with the web application. The system's performance was assessed across various dimensions, including system functionality, dependability, portability, usability, performance, security, compatibility, and maintainability. The findings revealed that the system excelled in all evaluated criteria, with high ratings from student respondents on aspects such as usability and functionality. During the beta testing phase, the system's accuracy received the following scores: IT experts rated it as Excellent with a mean score of 4.40, student respondents also rated it as Excellent with a mean score of 4.41, and faculty members rated it as Good with a mean score of 3.95. The overall assessment of the prototype device indicated a Good performance efficiency, with a total weighted mean of 4.03, demonstrating its effectiveness in executing tasks accurately and with minimal errors. The study concluded that the Automated Faculty Evaluation System could serve as a valuable tool for enhancing the evaluation processes at President Ramon Magsaysay State University, contributing to the institution's academic excellence and efficiency.