WEB-BASED AND MOBILE-BASED APPLICATION FOR CLASS RECORDING AND GRADING SYSTEM FOR PHILIPPINE INTEGRATED SCHOOL FOUNDATION, INC. (PISFI) – SENIOR HIGH SCHOOL DEPARTMENT

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Effectiveness of Web-based and Mobile-based Application in Improving the Grading Process in Senior High School Department

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ABSTRACT

Making use of traditional paper-and-pen recording and manual computation of students' grades has been the major source of mistakes in grade computation since time immemorial. The use of this approach also leads to various problems, such as redundancy, issues in error handling and file management within the administrative process. In this study, the researchers developed a web-based and mobile-based application using waterfall methodology to address this critical issue at Philippine Integrated School Foundation (PISFI)-Senior High School Department. The researchers used SUS and USE assessment tool to measure the usability and user-friendliness of the system. The researchers selected five teachers, one administrator and twenty students at Philippine Integrated School Foundation for testing. Furthermore, the findings revealed an excellent and positive feedback from the three distinct users, where the final rates of the system using SUS is 82.5 for teachers, 90 for the administrator, and 80.375 for the students, all indicating an outstanding rating. Moreover, the users also agreed with the system's usefulness, ease of use and learning and showed satisfaction within the system. In conclusion, this strategic implementation of a web-based and mobile-based application has proven to be an innovative and effective solution, contributing to the overall improvement of the grading process in Senior High School Department. It can be asserted that the developed system is not only functional but also user-friendly, meeting the diverse needs and expectations of teachers, administrators, and students.

Key words: *Innovation in Education, Web-based and Mobile-based Application, Educational Software, Senior High School*

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