

WEB-BASED THESIS/ CAPSTONE PROJECT DEFENSE EVALUATION SYSTEM OF THE CCS BIÑAN



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Abstract

The main goal of this study is to develop a web-based Evaluation System that can allow panelists and advisers to evaluate the graduating students and their Thesis/Capstone Projects through an innovative way of grading. Accessible through any form of technology that has an internet connection.

Rapid Application Development was used to simplify the software development scheme of the system. Use Case Diagrams, Activity Diagrams, and Class Diagrams were utilized to illustrate the system functions and routines. Personal Home Page: Hypertext Processor or simply PHP was utilized as the software platform in this study. The tools that have been used were XAMPP Server, MySQL, Photoshop, and Dreamweaver CS6. Various fact-finding techniques in the analysis, design, development, and evaluation of the intended software were used. Fact-finding instruments such as interviewing and observation were applied to determine the requirements of the desired application. Questionnaires were used for measuring the efficiency of the system as evaluated by the end-users.

Results of the evaluation on the system were based on ISO 9126 standard which showed that the criteria on efficiency ranked as the highest, followed by the functionality and maintainability, criteria for portability, and lastly criteria for the reliability and usability of the system ranks as the lowest.

The result of the evaluation of the Online Thesis/ Capstone Project Defense Evaluation System showed that the developed system achieved its functional requirements in applying the modern way of evaluating online. Therefore, the proponent highly recommends that the system be implemented on the College of Computer Studies for an effective and efficient evaluating tool. The developer also suggests the following schemes be used respectively: a secured internet connection before using the system; a maximum of two (2) days required for user training; an automatic data conversion strategy; and a phased operation method as a system changeover scheme. Using the Thesis / Capstone Project Evaluation System is a great solution to the stacks of paper cluttering desks and file cabinets that can be ruined or might be lost, and provides immediate feedback about the defense of a certain group, eventually benefits the faculty to have an easier platform, and the students to monitor their own grades, in particular. This research and development project also contributes to the ever-growing field of Information Technology by providing a portable way of evaluating the graduating students' defense for their Thesis/Capstone Projects for the fourth-year BSCS and BSIT students.

Keywords:

evaluation, capstone project, thesis, defense, web-based

