

# Assessment of Online OJT Performance Monitoring

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## ABSTRACT

The website monitor's the performance of the OJT students of College of Computer Studies Student of University of Perpetual Help System Laguna. Rapid Application Development was used to facilitate faster software development scheme of the system. Use Case Diagrams and Activity 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, Adobe 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 portability and reliability, criteria for functionality and lastly criteria for the maintainability and usability of the system ranks as the lowest. The Development of online OJT performance for CCS student's system has achieved its functional requirements in applying the modern way of conducting, efficient use of time of the students, adviser and supevisor. Therefore, the system is highly recommended to be implemented on college of computer studies which call for effective and efficient assessment tool.

Keywords: *On-the-Job Training, Evaluation, Online, Performance, Development.*

## 1. INTRODUCTION

Monitoring of Student on their On-the-job training is a very difficult task for the professors. The checking, verifying and monitoring of the OJT student requires the professor to communicate with the company supervisor.

One best way to accommodate the communication between school and the company is thru online. The website is accessible to the OJT adviser, students, and student supervisors. It contains database which contains confidential student information and reports. It also monitors the OJT performance of the students by the evaluation grade given by their respective supervisors. It will be evaluated per the student's weekly report, attendance which will be verified by their respective supervisor.

## 2. LITERATURE REVIEW

Introduction Education has been regarded as a means toward economic stability and progress. The increases productivity of the workforce is due mainly to the increase in the education and training of the people. The success and development of the country would greatly depend in the productivity of its human resources. This is considered as one of the vital asset of the nation to have a good and competent man power resources, quality education and intensive training for the students to become skilled and productive workers when they become part of the labor force. It is said that education is primarily concerned with the opening out to the world of the students so that he can choose his interests and mode of living, and his career. On the other hand, training is primarily concerned with the preparing the participants from certain lines of action, which are delineated by technology and by the organization in which he works. Education is not only limited to the degree an individual can attained however it must be accompanied by character, attitude, behavior and values that would significantly affects or influence his performance and productivity.

The most effective method to develop the competence and skills of students is trough hand – on training – the on-the-job training. This process exposes the students to the different fields and learned [1]. Moreover, it allows the students to become familiar and made known with the actual operation of the business and the state-of-the-art of the facilities, equipment and technology used.



Many opportunities for development can be found on-the-job. Trainees can learn as they contribute to the goals of the firm. Morale, productivity, and professionalism will normally be high in those individuals that employ a sound OJT program. As per required by the CHED, graduating students of different majors of the College of Business Administration undergo on-the-job training with required time of one hundred hours. Perhaps this would be a stepping stone for the practicumers to develop themselves to become professionals in their own field of specialization and acquire new learning through gained experiences during trainings.

The Computer Science Students decided to apply as trainees under Accounting Department of Philippine National Bank – Ortigas Branch. Their requirement is to fulfill the training 200 hours[4]. The total hours given was accomplished for 2 months. But for the accomplishment of the operations research, the students should make a written output of their achievement & learning experiences including their observation regarding the operation of Philippine National Bank – Ortigas. The written output of their training signifies the fulfillment of all the requirements given to the Computer Science Students enrolled for Practicum 3. The compilation of the output includes all data & information gathered by the student trainees from Philippine National Bank – Ortigas regarding their operations where the students are applied. This Operation Research would be beneficial for both parties – the students &PNB. For without the help of the latter, there will be no source of reference for the former. Besides the effort of the students were also good benefits for the operations of the institution.

To maximize organization and staff efficiencies, enterprising managers have to investing web-based collaborative solutions to optimize the business processes in the Organization. These solutions include a set of applications and procedures, which facilitate access to the information, improve communications, collaboration and learning. The main goal is building a stable web-based foundation, which offers a high level of self-training opportunities [2]. These are possible by an integrated, safe, scalable, and network-enabled solution by which the organization can more efficiently train and keep its staff on work. The main incentives for large-scale use (deployment) of OJT Systems in the organization are: Learning process automation; Hypermedia courseware content; Tools for easy course/module updates, multiple usages and content reuse; Saving time and money by screening applicants for potential employees; Flexible learning process: depending on the learning goal, the trainee (learner)has numerous opportunities about the different features of

the learning process (time, mode, place, learning content, etc.).

As for the College of Computer Studies their OJT student needs to accomplish first OJT slip to indicate the company of the company information to be filled up in the referral letter [3]. Then submit weekly report indicating the job/task they done for the week.

### 3. METHODOLOGY

This application used agile software development method to make all the necessary features accordingly based on the aspects of web application user requirements, developments, and outcomes. 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, Adobe 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. This research used a system software evaluation following the ISO9126 criteria and given to the users during the testing phase of the application. The Likert’s scale with the interpretation of Highly Acceptable, Acceptable, Moderately Acceptable, Slightly Acceptable and Not Acceptable was used to identify the users’ level of satisfaction to the software evaluation items. The results of software evaluation are presented in the succeeding sections of this paper.

### 4. RESULTS AND DISCUSSION

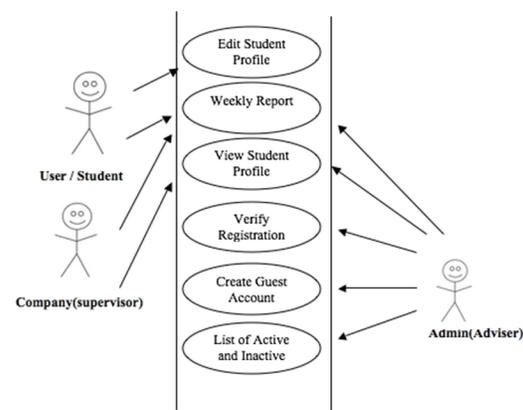


Fig. 1. Use Case Diagram

Figure 1.0 Presents usecase diagram wherein admin account can activate and deactivate the account, checking the weekly report of the student, creating a guest account for the company of the student. The user account can edit their profile and passing their weekly report. The supervisor account can view the profile of the student and view what weekly report done by the student.

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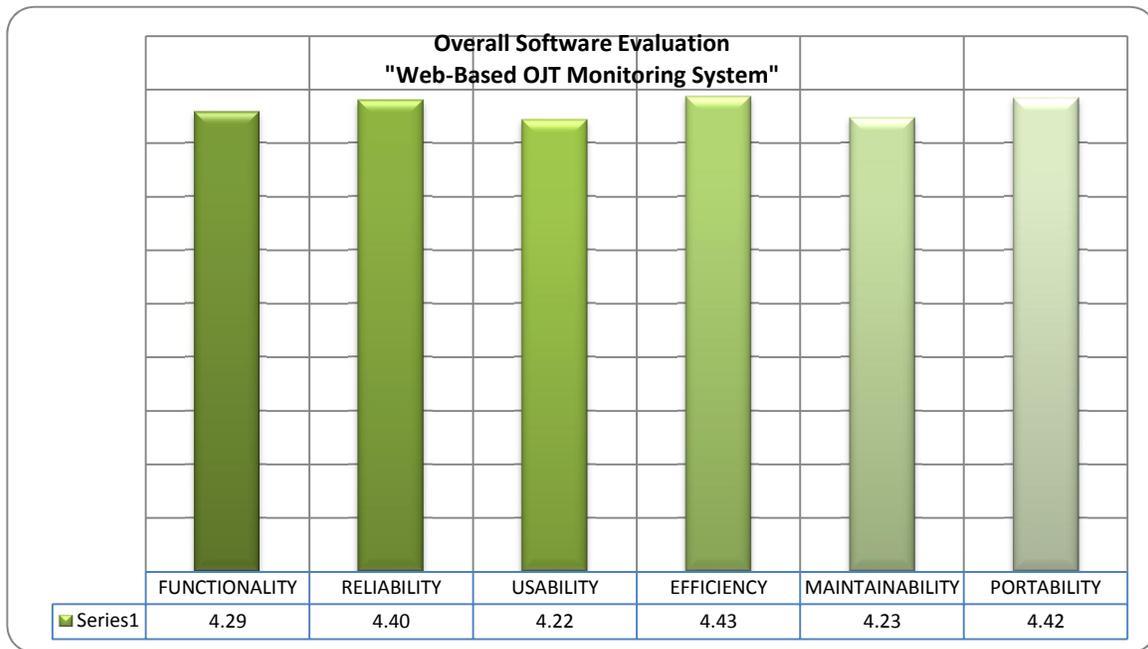


Fig. 2. Overall Software Evaluation

Figure 2.0 presents the overall evaluation results of the system was strongly agreed by the respondents with the highest weighted mean 4.40. However, the portability of the system was only agreed by the respondents with the lowest weighted mean 4.22. This final evaluation survey reflects of the system on how it is to be conducted. Thus, this shows that the alumni members and the other staffs of school are in favor for the said system based on the result that we had for survey.

## 5. CONCLUSION

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 portability and reliability, criteria for functionality and lastly criteria for the maintainability and usability of the system ranks as the lowest. The online OJT performance website has achieved its functional requirements in applying the modern way of conducting, efficient use of time of the students, adviser and supevisor. Therefore,

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