

DEVELOPMENT OF AN ONLINE TEACHING RECORD SYSTEM FOR TEACHERS, DEMONSTRATION SCHOOL OF SUAN SUNANDHA RAJABHAT UNIVERSITY

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ABSTRACT

The research on development of an online teaching recording system for teachers of the Demonstration School of Suan Sunandha Rajabhat University have a purpose 1) to develop an online teaching record system for teachers; 2) to evaluating satisfaction with the online teaching recording system for teachers. Population was 42 people used in this research including the teachers at the Demonstration School of Suan Sunandha Rajabhat University. The research tools consisted of an interview form, an opinion questionnaire, data were analyzed using basic statistics, including frequency, percentage, mean, and standard deviation.

The results showed that the application of Google Form and Google Sites application in online teaching recording instructors are most satisfied with the quick recording of teaching. Convenient and easy to use and can also share information with those involved can access information quickly. and is information to assist in decision making.

Keywords : record online , lesson plan, google application

INTRODUCTION

The Demonstration School of Suan Sunandha Rajabhat University, It is an agency under the supervision of Suan Sunandha Rajabhat University. It is divided into 2 levels: primary and secondary which has a total of 5 classroom buildings. The School its main mission is to develop quality of students. In addition, the school also aims to develop information technology systems to provide services to teachers, staff, and students. They can use technology effectively to support their work and is a part of the Academic Department (Secondary School) the Demonstration school of Suan Sunandha Rajabhat University. Its mission is to provide academic services to students and teachers within the school. There are 861 students and 47 teachers, providing services covering all aspects of activities that promote teaching and learning, such as teaching schedules. Class organization arrangement of teachers to teach curriculum development teaching supervision measurement and evaluation and recording teaching.

The academic management has carrying out the main activities of the academic department in the teaching recording section Has created a format for recording teaching in the form of a teaching notebook. Currently, teaching is organized in an online format. In recording teaching, if the teacher has to take notes in the teaching notebook at school. There will be inconvenience. And teaching cannot be recorded immediately after teaching is completed. In addition, in collecting teaching record data in the form of teaching notebooks. causing damage and loss importantly, searching for information in teaching recordings takes a long time to search for information.

From this problem, the researcher had an interested to develop an online teaching recording tool for teachers at the Demonstration School of Suan Sunandha Rajabhat University

to store data facilitates teachers and reduce the time spent in the process of recording teachers' teaching. It also increases efficiency in data collection and reduce the use of paper, which is a waste of environmental resources, makes searching, browsing, and using information more convenient. The researcher has used Google application technology as a facilitating tool. To create a verification form Including keeping records and also preventing data loss.

Research objectives

1. To develop an online teaching recording system for teachers.
2. To assess satisfaction with the online teaching recording system for teachers.

LITERATURE REVIEWS

The role and function of teachers must be to support and organize experiences that emphasize the importance of teaching and learning for students. Therefore, it is necessary to organize teaching and learning activities that are learner-centered. Teachers must plan activities. Prepare teaching materials to supervise and organize the activity process. Promote the use of knowledge Therefore, teachers need to have teaching preparation as a tool to help teachers develop a systematic and efficient learning process. towards the learning objectives and destinations of the course (Somkiat Korbuakaew, 2020: 35) Therefore, the development of an online teaching recording system for teachers of the Demonstration School of Suan Sunandha Rajabhat University. Therefore, it can be considered an innovation develop or new idea that are used in the context of education to help develop the quality of education and make teaching and learning more efficient. For this purpose, the researcher would like to summarize the content of the review literature. Briefly summarized as follows:

1. Teaching record means recording the teaching topic of the teacher and record student attendance during teaching hours
2. Home Room Activity refer to the advisor meets with the homeroom students. After the activity in front of the flagpole
3. Teaching details refer to teaching topics, learning units. and learning objectives
4. Applications refer to various programs that are installed with the mobile phone. Including the ability for consumers to download from service providers. Both with and without costs
5. Smartphone tool means a phone that supports various operating systems. It's like bringing features that PDA and computers have to the phone, such as iOS, Android OS, Windows phone, etc., which allows the smartphone to install additional programs.
6. Website means a medium for presenting information on a computer. Or is it a collection? Multiple web pages which are linked via hyperlinks which must be opened with a specialized program called a Web Browser, which is stored on the World Wide Web.
7. Google Form means a service from Google Company. used to quickly create questionnaires or collect other information online. Can be applied in many cases, such as - planning various events - surveying satisfaction or opinions - collecting data instead of filling out paper forms - taking tests - voting Steps for completing an online questionnaire.
8. Google Site means a program from Google that provides free website creation services. Can create a website easily Freely customize your appearance And can collect a variety of information in one place, such as videos, calendars, documents, etc. can be inserted into web pages. It's an added feature. Easy to use Makes it very convenient.
9. Google Sheet refers to an application for creating spreadsheets. (Spreadsheet) is another new Apps from Google that has features for creating spreadsheets. Just like files on Microsoft Excel, you can open and edit spreadsheet files. (spreadsheet) latest version right away, share and collaborate with friends Within a spreadsheet (spreadsheet) same.

10. Software Development Lifecycle (SDLC) is the cost-effective and time-saving process of designing and building high-quality software for development teams. The goal of SDLC is to reduce project risk by planning ahead. To ensure that the software meets customer expectations during production and beyond. This methodology outlines a series of steps that break the software development process into tasks that you can assign, perform, and measure.

In this research, the researcher has defined the research concept as follows:

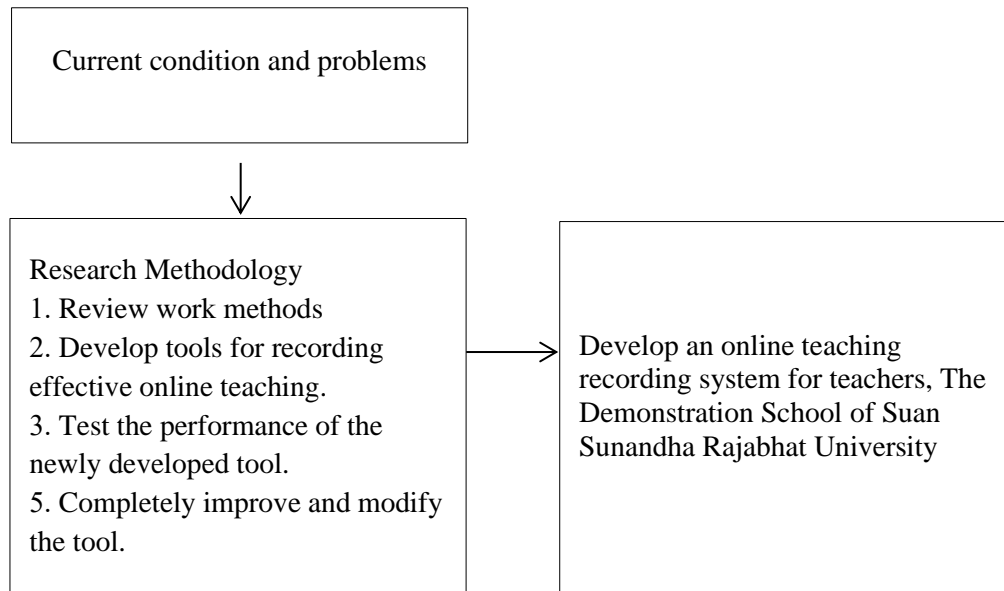


Figure 1 : the conceptual framework of this research.

METHODOLOGY

The researcher has determined the research methods as follows.

1. Population and Sampling

1.1 Population is academic personnel. The Demonstration School of Suan Sunandha Rajabhat University (Secondary Division), 47 people from the Human Resources database.

1.2 The sample group is academic personnel. The Demonstration School of Suan Sunandha Rajabhat University by using a formula to determine the sample size. A sample size of 42 people was obtained using the purposive sampling method by selecting personnel working at The Demonstration School of Suan Sunandha Rajabhat University. (Secondary Division).

2. Research tools

2.1 Teaching recording form for online teachers

2.2 Questionnaire on satisfaction with online teaching recordings

3. Data Analyze

3.1 Review working methods

3.2 Develop tools used to record data to be efficient.

3.3 Test the efficiency of the newly developed tool. By comparing the duration of work and data storage with the new work system and the old work system. and results obtained from the new work system and the old work system.

3.4 Improve and modify the tool to be complete.

3.5 Use teaching recording forms for teachers and conduct service satisfaction surveys.

4. Statistics used for analysis and testing

4.1 Average (Arithmetic Mean) is the number of score values obtained by summing the assessment scores in each item and dividing by the total number of people taking the test and assessment.

4.2 The standard deviation (Standard Deviation: S.D.) is the square root of the variance.

5. Interpreting score values, The evaluation criteria is a rating scale with 5 levels according to the method of Likert.

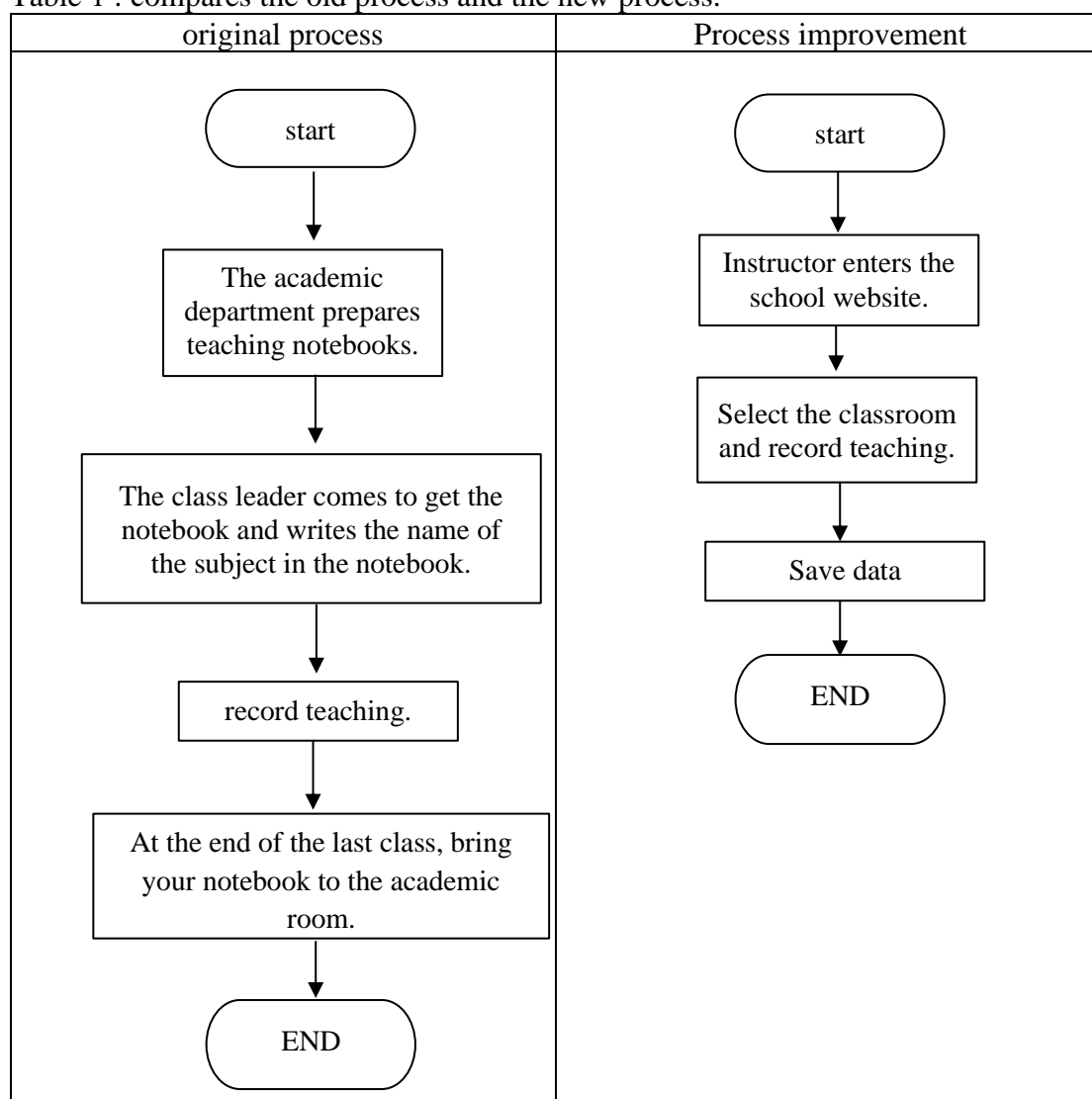
RESULTS

There are 2 results of the research as follows:

1) Results of process design for developing an online teaching recording system for teachers.

The researcher has taken steps to solve the problem of creating a teaching recording system. Therefore, technology has been brought develop tools for recording teaching and create new processes and can compare the old process and the new process, it can be summarized as follows:

Table 1 : compares the old process and the new process.



From the comparison table between the old process and the new process. Previously, using a teaching notebook, students had to pick up their teaching notebook from the academic room. and write the name of the course according to the class schedule Keep it in the classroom. Teachers must record classroom teaching only. In this new process, the researcher has developed a tool to bring teaching notebooks into the online system. By creating an information system website from Google Site as a channel for accessing teaching notebooks. The teaching notebook was created using Google Forms instead, and the recorded information can be viewed via Google Sheets.

Performance testing of newly developed tools by comparing the steps in the operating process. and data storage with the new work system and the old work system. and results obtained from the new work system and the old work system The results of the trial use are shown in Table 2.

Table 2 : Comparison table for reducing steps. Data recording and data storage

	original process	Process improvement
Procedure	4 steps	3 steps
Related people	3	2
Data recording	teaching notebook	Google Form
Data storage	teaching notebook	Google Sheet
Data recording time	in the classroom	all the time

From the comparison table of layer reduction and data storage. In performing the work and the people involved in the process, unnecessary steps and people involved can be reduced. and from recording information in a notebook switch to recording technology that makes data accessible anywhere. More convenient and faster.

2) Results of the satisfaction assessment of the online teaching recording system for teachers, from providing academic personnel at the Demonstration School of Suan Sunandha Rajabhat University, (Secondary Division) 42 teacher's had used the online teaching recording system for teachers who have assessed their satisfaction in using the service. The researcher has collected data for analysis. The satisfaction evaluation results are as follows:

Table 3 : Satisfaction in using the online teaching recording system

Satisfaction questionnaire	average	S.D.	Interpret results
1. Ease of access to teaching recording links	4.84	0.45	highest level
2. The topic of the question is clear.	4.97	0.18	highest level
3. Filling in information is convenient and fast.	4.91	0.39	highest level
4. You can use the time to record teaching quickly.	4.84	0.45	highest level
5. Are you satisfied with the online teaching recording system?	4.88	0.42	highest level

From Table 3, satisfaction with the use of the online teaching recording system found that users were satisfied at the highest level.

DISCUSSIONS

Based on research results, the development of an online teaching recording process for teachers is intended to improve the work process and reduce the time required for work. and problems arising from recording teachers' teaching in this research, the research team designed an online teaching recording system. It can lead to discussion as follows.

1) The results of designing the process for developing an online teaching recording system for teachers will be found that the results from this research. A new work process has been developed to help record teachers' teaching more conveniently and quickly. You can also check past teaching recordings conveniently and quickly which corresponds to *Niyomrat R. et al.*, (2021) who has studied the subject “Process Improvement of White Coconut Meat Production in Samut Songkhram Province”. The results showed that the white coconut production process had a problem with the coconut fiber extractor machine stopped working. There was 1 non-value added activity and 10 necessary non value added activities. To improve the production process by (1) Make a working standard for loading into the coconut fiber extractor machine. (2) Include activities of preparation for internal transport, which are necessary non value added activities; to be the same activity as the main activity. (3) Change the main workload and adjust the number of employees according to the changing process; and (4) Cut off non-value added activities and activities that are not directly related to quality control of production processes and products obtained.

In addition, the online teaching recording system for teachers which stores various information that teachers have recorded in the cloud computing system, making it possible to view the information anywhere and on any device including preventing data loss. Increasing efficiency in retrieving data and can use data for statistical analysis very well This is in line with the ideas of Tubtimthong Korbuakaew, Intira Robroo, Somkiat Korbuakaew. (2022 :77-81) who said: The technological breakthrough grows rapidly and plays an important role in our daily life. It is allowed people to communicate with teachers, instructors, students, and friends. Thus, learning management between teachers and students should be adjusted by using a variety of technical materials to support their learning ability. It is also in line with the research of Sawitree Phewngam (2021: 284–300), who has studied guidelines for using technology in learning management to make students happy while learning. Reflects the importance of technology used in the development of education that promotes better achievement for teachers and students.

2) Results of the evaluation of satisfaction with the online teaching recording system for teachers.

Overall, it was found that users were at the highest level of satisfaction. This is in line with Raweewan Khankham and Sudarat Srima (2020). Research to develop the Teaching and learning management in general education course of compulsory subject by focusing on the development of teaching and learning management and improving the teaching and learning management process. The result of satisfaction assessment with the teaching and learning administration compulsory courses found that they were satisfied with the teaching and learning management of general education courses in compulsory subjects in overall at the highest level.

CONCLUSIONS

From analyzing the problem, it was found that the teaching recording process using the teaching notebook There are steps in the operation that are redundant. Finding information is difficult teaching cannot be recorded immediately after teaching is complete. The information

can be viewed after the student returns the teaching notebook to the Academic Department and damage to teaching notebooks when used for a long time.

Due to this problem, the researcher has designed an online teaching recording process for teachers by improving redundant processes and use technology as a tool to help develop an online teaching recording system. To be able to use anywhere, anytime by using Google Workspace as a technology that helps in recording information. The data recording form uses Google Forms technology to make an online record form which can be activated at any time. In addition, when the information is recorded, the data will be stored in the form of files in the cloud computing system which can import the data that the user recorded. To summarize the teaching recording results, you can continue as well.

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