THE STUDY OF BLENDED LEARNING PROCESS SATISFACTION FOR ACADEMIC YEAR 2021 OF FACULTY OF SCIENCE AND TECHNOLOGY, SUAN SUNANDHA RAJABHAT UNIVERSITY

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Abstract.

This study has 3 objectives. First, to know the satisfaction of Academic Staff about Blended Learning Process Workshop. Second, to compare the satisfaction of Academic Staff about Blended Learning Process Workshop. Finally, to organize guidelines for Blended Learning Process Workshop for the next events. The researchers have sampling size is 83 people, from Academic Staff of Faculty of Science and Technology, Suan Sunandha RajabhatUniversity. This study found that Academic Staff of Faculty of Science and Technology, SuanSunandha Rajabhat University have satisfied about Blended Learning Process Workshop by Lecturer ($\bar{x}$ = 4.63), Cognitive ($\bar{x}$ = 4.57), and Knowledge usable as Very Good all of kinds. When compare satisfaction level each kind of Blended Learning Process Workshop found thatno statistically significant difference at 95% confidence interval (P > 0.05).

Keywords: Blended Learning, Process, Satisfact

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Introduction

The 1st strategy of Suan Sunandha Rajabhat University is to develop the Niche Guru University and produce graduates to be professionals. Goal No 1 . 3 is the university has a digital curriculum and learning management system. Indicator 1.3.2 Percentage of teachers who offer blended learning online per all teachers. The important point is that teachers must have teaching management. It must have an online teaching management system using the Internet (Learning Management System, LMS) on Moodle Website (E-Learning and Educational Technology, 2021) or another computer program and support online teaching andlearning. Lesson creation, information management, content management, teaching activities, data source creation, document dissemination, communications, and testing and evaluation systems (Policy and Planning division Suan Sunandha Rajabhat University, 2021).

Executives of the Faculty of Science and Technology have acknowledged this policy. After that, put it into concrete action by organizing workshops for all teachers of the Facultyof Science and Technology (Kridsanapong, 2021). To create new skills that are necessary for work (Reskill) Including development to upgrade the skills that we have to be better (Upskill) (Learn Education, 2022). However, the researcher wanted to know the differences in knowledge, abilities, and personal skills of the participants. The need to study the satisfaction with the workshops that the Faculty of Science and Technology has already completed. Including wanting to study the need for developing other skills of instructors.

Objectives

1)To know the satisfaction of Academic Staff with the Blended Learning ProcessWorkshop.
2)To compare the satisfaction of Academic Staff about Blended Learning ProcessWorkshop.
3)To organize guidelines for Blended Learning Process Workshop for the next events.

Methods
Population and Sampling size

The population used in the research was all teachers of the Faculty of Science and Technology, Suan Sunandha Rajabhat University. There are 106 people . This Faculty of Science and Technology has 10 programs as follows as Information Technology, HomeEconomics, Food Science and Technology, Sports Science and Health, Forensic Science, Food Industrial Microbiology and Bioinnovation , Environmental Biology, Science and Innovation, Computer Science and Data Innovation, and Digital Innovation and ContentManagement. After that, the population was calculated as a sample using Taro Yamane's method at a significance level of 0.05. It is calculated equal to 84 samples (Yamane, 1973).

Research Tools

Research Tools is the satisfaction questionnaire of Blended Learning Process Workshop. The researchers have asked about Satisfaction level with various aspects about Blended Learning Process Workshop and divided the study into 3 parts as follows;
Part 1 Expert
Part 2 Knowledge and Understanding Part 3
Using and Applying Knowledge

Satisfaction level standard

Satisfaction level standard can be divided score by a range. Each range is 5 levels.
Criteria used to interpret information as shown in Table 1

Table 1: The satisfaction level of Blended Learning Process Workshop.

Mean	Satisfaction level
4.50 – 5.00	Very Good
3.50 – 4.49	Good
2.50 - 3.49	Moderate
1.50 – 2.49	Poor
1.00 – 1.49	Very poor

Data analysis

The questionnaires were analyzed statistically by using a computer statistical software program to calculate the statistics. The results were analyzed, compared with theinterpretation criterion of mean, standard deviation and ANOVA test.

Results And Discussion

The assessment results of the questionnaires were analyzed statistically by using a computer statistical software program to calculate the statistics.

Table 2: The assessment results of the qusestionaires of Blended Learning Process Workshop.

Groups	Count	Sum	Average	Variance
1. Expert				
1.1 The Expert were clearly explainedthe concept about Blended Learning Process Workshop.	84	395	4.70	0.24
1.2 The Expert can link training content about Blended Learning Process Workshop.	84	388	4.62	0.26
1.3 The Expert use the specified period	84	384	4.57	0.34
1.4 The Expert can answers the question of the participants clearly	84	391	4.65	0.28
1.5 The Expert can provide examples for the participants	84	388	4.62	0.26
2. Knowledge and Understanding				
1. Knowledge and understanding after workshop	84	381	4.54	0.30
2. Benefits after workshop	84	386	4.60	0.29
3. Applying knowledge				
3.1 After training Participants can apply the benefits of the blended learning process workshops.	84	387	4.61	0.27
3.2 After training participants can communicate /share to the others	84	381	4.54	0.28

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1.95	8	0.24	0.87	0.54	1.95
Within Groups	208.80	47	0.28			
Total	210.74	55				

P > 0.05

From the Table 2 it was found that When comparing the satisfaction levels of each point towards the blended teaching and learning workshop. There was no statistically significant difference in the level of satisfaction for each issue. at the confidence level of 95 percent

Conclusions

In conclusion, Considering the research results, it was found that Satisfaction with the teaching and learning blended learning workshop at a very good level because the knowledge transfer and explanation of the contents of the expert were clear. There is a link to the contentduring the training. Case study example, Give an opportunity to answer questions in the workshop that are correct and clear. Including keeping the workshop on specified period. This is consistent with the research of Sirirat (2011). that the expert through their work and have experience from real work before, making it possible to answer questions from expert clearly and clearly as a result, the participants have confidence. and have a lot of confidencein the expert. In addition, the expert had a friendliness to the participants. There is also humor during teaching or during lectures. make the participants impressed.

Considering the research results, it was found that Satisfaction with the cognitive blended teaching and learning workshop at a very good level because it was able to apply the knowledge to develop teaching practices resulting in benefits for academic personnel and students further because the knowledge gained from actual practice plays an important role in helping them gain confidence in conducting experiments, or applying personal knowledge to use of different applications.

Considering the research results, it was found that Satisfaction with the mixed learningand teaching workshop on knowledge utilization. at a very good level because the knowledge gained can be applied to work and can continue to pass on knowledge to those who are interested. This is consistent with the research of Kulthida (2021) that training teaches hands-on practice in order to be able to apply to real work, which meets the needs of paticipants who want to apply the knowledge gained from the training to their own workmake the participants impressed.

When comparing the satisfaction levels of each point towards the blended teaching and learning workshop. It was found that all aspects of the satisfaction of the trainees were ata very good level. And there was no statistically significant difference at the confidence level of 95 percent, in addition to the ability of the expert knowledge and understanding that the participants receive. And the benefits that the participants can use after the workshop. They wants for more the training project, or lecture topics that the needs of the participants themselves without compulsion or bind to attend the training in any way. In addition, the selection of workshop topics is something that the workshop organizer should always consider as the first priority. Which is consistent with the research of Simasathiansophon(2014) " Blended-learning approaches are now widely used in Thai education (Teaching

Innovation Center, 2020). Most of schools and universities have attempted to use the innovative learning approach to interact with students as well as to deliver education resources to them. E-learning, for instance, has been commonly combined with traditional classroom setting. One of the most popular e-learning techniques that has been adopted in Thai education is course management system (CMS).Recently, course management system plays the important role for students who require a time schedule flexibility. This has also created more chances for student interactions with teachers as well as peers through online discussion site. Furthermore, using CMS allows students to access the contents anytime from inside and outside the classroom.This study analyses the perspective of students and teachers on CMS; discusses benefits and challenges of blended-learning approach; recommendshow to effectivelyadapt traditional classroom setting with blended-learning.The results illustrated positively perspective from both students and teachers. However, active learning environmentand responsibility of students should be enhanced when adapting blended-learning approach."

Acknowledgments

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