THE DESIGN AND DEVELOPMENT OF CURRICULUM PLANNING AND BLENDED LEARNING WITH CLASSROOM LEARNING

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Abstract- The design and development of curriculum planning and blended learning with classroom learning aims to manage the learning style through remote learning and blended learning (online and electronic classrooms). The main purpose is to create the pattern of new style of learning combining face-to-face classroom and online classroom. This research aims to support self-learning through blended learning as it is believed that it will encourage students to have life-long learning habit. Moreover, blended learning can save cost for the institute in terms of teaching staff and location, and it expand the learning opportunity to everyone in outreach area. In order to have the most practical result, 3 experts from learning management, online curriculum planning and blended-learning section had examined the content in the questionnaires before launching. Content validity was checked its accuracy. After editing the model, the questionnaires were used among 20 participants in the sample group to get the reliability value. After analyzing the answers in all area, the arithmetic mean of the research was 3.85 and the SD was 0.33, which indicated that the model was good enough and could be used in curriculum planning in the campus.

Keywords- Design and Development of Curriculum, Blended Learning, Classroom Learning

I. INTRODUCTION

It is recognized worldwide that the world has changed rapidly. New technology has made the world smaller. Digital world has transformed the entire globe to be one community. People today can communicate faster in real time by being online.

Table 1: Blended Learning Level

<table>
<thead>
<tr>
<th>Meaning</th>
<th>Online Learning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Learning</td>
<td>80 – 100 %</td>
</tr>
<tr>
<td>Blended Learning</td>
<td>30 – 79 %</td>
</tr>
<tr>
<td>Web Facilitation</td>
<td>1 – 29 %</td>
</tr>
<tr>
<td>Tradition</td>
<td>0 %</td>
</tr>
</tbody>
</table>

Blended learning is the new way of learning that combine classroom style and new technology together to make a lesson. Activities in blended learning style will be more flexible and focus on creating learning environment and encourage learners to do self-study. Teachers provide various ways of teaching courses, mixing all materials and lessons together to suit students’ interest. Lessons will be taught through many channels. It can be face-to-face classroom or online classroom. After all, blended learning is aimed to serve different learners who have different preferences. Assembling various activities, both classroom activities and E-Learning broadcasting is the new educational innovation. This way can benefit students so greatly. Students can study the particular lesson as often as they want from the online lessons. New technology and internet has played a big role in blended-learning lesson plan since teachers use it as another channel to educate their students. Media and educational resources are the essential tools for blended learning as well. They have changed the role of ‘teacher’ to be ‘instructor and advisor’ who guide students on how to use the tool, how to get the use of digital knowledge resources and how to learn from them.

II. DESIGN AND DEVELOPMENT OF BLENDED LEARNING CURRICULUM MODEL

Blended learning is the new way of learning that combine classroom style and new technology together to make a lesson. Activities in blended learning style will be more flexible and focus on creating learning environment and encourage learners to do self-study. Teachers provide various ways of teaching courses, mixing all materials and lessons together to suit students’ interest. Lessons will be taught through many channels. It can be face-to-face classroom or online classroom. After all, blended learning is aimed to serve different learners who have different preferences. Assembling various activities, both classroom activities and E-Learning broadcasting is the new educational innovation. This way can benefit students so greatly. Students can study the particular lesson as often as they want from the online lessons. New technology and internet has played a big role in blended-learning lesson plan since teachers use it as another channel to educate their students. Media and educational resources are the essential tools for blended learning as well. They have changed the role of ‘teacher’ to be ‘instructor and advisor’ who guide students on how to use the tool, how to get the use of digital knowledge resources and how to learn from them.
There are 4 ideas of blended learning adaptation to use in classroom.
1. The collection of web-based technology in classroom, such as live virtual classroom, self-paced instruction, collaborative learning, video streaming, and audio and text materials.
2. The combination of various pedagogical approaches.
3. The combination of any form of instructional technology with face-to-face instruction, such as using CD-Rom, video, web learning or movies learning. This is the most popular idea among teachers.
4. The combination of instructional technology with actual job tasks.

The evaluation of this research has the mean of 4.05 and SD of 0.24, which indicate the performance of this blended-learning method as a “very good” method. The designed blended learning and electronic lessons are suitable for both teachers and students in all programs.

Considering the value of money and investment, the result showed the mean of 3.97 and SD of 0.25, as well as the evaluation of learning management which has the mean of 4.26 and SD of 0.32. This score stated that online and electronic classrooms with face-to-face classroom style are worth the investment in the long run.

III. THE FRAMEWORK OF HOW TO USE BLENDED LEARNING IN CLASSROOM

1. Analyze instructors' ability and capability
2. Analyze contents
3. Analyze students
4. Specify objectives and learning purposes
   - Instructors must be able to identify students' learning ability and skills
5. Creating lesson plans for students to experience
6. Specify the resources, focusing on face-to-face classroom mixing with online classroom
7. Specify evaluation process
8. Classroom activities which combine face-to-face lessons and online lessons using electronic resources and different teaching technique to support students to achieve their goals
9. Using the lesson plan to classroom, and evaluate the plan

The Design and Development of Curriculum Planning and Blended Learning with Classroom Learning
IV. LESSON PLANNING AND BLENDED LEARNING WITH CLASSROOM LESSON

The design of lesson plan combining the blended-learning with classroom lesson

1. Specify learning resource to make each lesson the most useful for students. Appropriate teaching materials and resources should be available in both face-to-face and online lessons.
2. Specify the evaluation process to evaluate students’ improvement and development. The evaluation process must be clear, creating based on the actual activities in both electronic and face-to-face classrooms. Students should be able to use creative thinking skill to solve each task during evaluation. Students should have access to the available resources to practice and review. The evaluation result will be reported to students in both group and individual tasks for their development and improvement.
3. Activities in face-to-face classroom and electronic resources, including evaluation and educational environment, should support students to have the expected learning experience.
4. Teachers should improve their lesson plans and evaluate their teaching every time to see if the lessons work well in class and support the student-center learning method.

V. SUMMARY

Blended-learning classroom using electronic and digital devices consisted of 8 functions: monitor, video conference, forum, online lesson, teaching materials, online tests, extra materials and search engine. After analyzing and evaluating, experts agreed that the blended-learning style is suitable to be used in face-to-face classrooms. The style also suits students’ need, as students agreed and gave a very high score on the evaluation form.

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Fig. 5 Blended Learning Training 2

Fig. 6 Lesson planning in blended-learning style mixing with face-to-face classroom

Fig. 7 Blended Learning Training 3

Fig. 8 Blended Learning Training Awards
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Overall, the total mean was 3.85 and SD was 0.33, which concluded this research that blended-learning classroom style and online classroom can be run together with the face-to-face classrooms. The method can be used in classrooms in all programs.

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REFERENCES


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