

DEVELOPMENT OF AN EFFECTIVE ELECTRONIC LEARNING 8E BASED BLENDED LEARNING ON CONNECTIVISM MODEL FOR VIRTUAL UNIVERSITY

PARINYA BUNNAPASUT

Faculty of Technical Education, Rajamangala University of Technology, Thanyaburi, Pathum Thani, Thailand

ABSTRACT

Nowadays, Thai education has more improved than before since both the government pay more attention and technology can support in many ways of learning. Especially, traditional universities try to be virtual universities. The Development of an Effective e-Learning 8E Based on Connectivism Model for Virtual University based on appropriation of Thai learning technologies, cost, culture, students and instructors. These are the most important factors in determining before developing of e-Learning. This research is aimed to support instructors and students in order to know how to change traditional idea to a new paradigm shift in learning. This friendly e-Learning model can optimize the utilization of information technology resources and their cost. It can reduce cost and time for a learning style. The instructors and students can access e-Learning via the Internet at any time and place. The online learning content can be presented in texts, graphics, audio, video, and multimedia animation. The main features of the model are student information storage section as well as comment and peer to peer interview information from the instructors. The e-Advisor, Web page engine tools, e-Evaluation are added to this proposed model. In addition, web-board, hyperlink to other source are also available to students.

The model can support asynchronous online learning for students to prepare the lessons before the class begins and review all materials after the classes. This style of learning is a fully student-center approach.

The purposes of this research were to construct Development of Electronic Learning 8E Based on Connectivism Model for Virtual University. The proposed model is developed for instructors and of students between experimental group learned by instructional and control group learned by web-based instruction and creative thinking score after learning via the Learning Package, to compare creative Students in order to teach and learn more effectively. Students to study correlation between learning achievement thinking score between before and after learning via the Electronic Learning 8E Based on connectivism model, to compare the pre-test and the post-test learning achievement score and study the students satisfaction toward the Electronic Learning 8E Package online learning with the constructed instructional model by researcher. The population for the research was 100 Undergraduate students who study in Rajamangala University of Technology . The subject for the experiment phase was 36 students who were selected by cluster random sampling. The result of the research were found that the efficiency of the Electronic Base Learning Package met the criteria score at 81.53/80.10, using scores to determine a correlation coefficient for the learning achievement had significantly positive relationship with the creative at the level of .05 after using Electronic Base Learning Package the Undergraduate students and learning achievement scores were significantly increased at .05 level, and the students were satisfied with Electronic Base Learning Package at 'high' level. They can study anywhere and anytime at their Convenience. This style of learning is a fully student-center approach.

KEYWORDS: 8E-Learning, Asynchronus, E-evaluation, Connectivism, Blended Learning

Received: Jan 13, 2016; **Accepted:** Jan 27, 2016; **Published:** Feb 03, 2016; **Paper Id.:** IJESRFEB201611