Chapter 56: The Effectiveness of Using Learning Management Systems on the Academic Achievement in teaching English Subject as a foreign Language in Saudi Schools.

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1Introduction

The study title is "The Effectiveness of Using Learning Management Systems on the Academic Achievement in Teaching English Subject as a foreign Language in Saudi Schools."

It has been believed that technology plays an important role in developing education.

Nowadays, the computer is a significant part of the learner's daily life. It is, by now, inevitable that methods of teaching and learning should include E-learning components that are based on the computer environment (Martin & Madigan, 2006).

In Saudi Arabia, English subject is regarded as a foreign language and is treated as an international language in most schools and universities. Students face many difficulties in this subject. As teachers, we are always looking for ways to have learning essay and fun . In recent years, there has been an increasing adoption and use of various Learning Management Systems (LMSs). These are web- based systems used to plan, deliver and facilitate students learning via the internet (Unwin et al., 2010). They are normally integrated with learning resource tools for audio, video, and text as well as commutation tools (chat, discussions forums, email, and whiteboards), and assessment tools (Pituch & Lee, 2006) In schools , there are a lot of students who need more help and care.With an LMSs, students have access to curriculum and content any time and from anywhere . A LMS is a software used for delivering, tracking and managing training education. LMSs range from systems for managing training educational records to software for distributing courses over the Internet and offering features for online collaboration (Kotzer & Elran, 2011; Mahnegar, 2012). The most popular LMSs are Edmodo,Moodle and Schoology. Schoology is a Learning Management System that provides a number of tools and enables teachers to share courses on line and communicate with other teachers, students and their parents.

2 Purpose of the Study

The purpose of the study is tomeasure the effectiveness of using Learning Management System   on the Academic Achievement of the Students of the Secondary First in Teaching English Subject as a foreign Language in Saudi Schools .This study will explore one of the systems that develops and raises academic achievement of students in a foreign language .The goal is to shed light on how LMS like (Schoology) influence education process.

3 Research Hypotheses

The researcher assumes the following:

Hypothesis 1:

There are statistical significant differences between the average scores of the experimental group students and that of control group when applying the achievement test where the sake is for the experimental group sample.

Hypothesis 2:

There are statistical significant differences between the average scores of the experimental group students when applying the achievement test where the sake is for the After-Application.vb

4 Literature Review

According to a research carried out by Pardamean et al. (2013) they evaluated the graph theory elearning through the utilization of LMS. They demonstrated that students in the experimental group performed much better than those in the control group. They also investigate the impact of LMS on teaching and learning. While Psycharis et al. (2013) investigated the role of e-learning as a pedagogical tool for changing initial conceptions when learning about physics by using the learning management System of the Moodle platform. They found that students had strong attitudes towards blended learning , but this was not reflected upon their intention to further use of the LMS. To measure learning effectiveness , Koong, Yang, Wu, Li, and Tseng (2014), in a study of how learning strategies could affect the effectiveness of learning a software application, used student assessment grades. In another study on the effectiveness of presentation software in supporting English learning, Kuo, Yu, and Hsiao (2015) used test scores as one of the surrogate measures.

5 Methodologies

This experiment will be administered at one of Saudi Schools during the 2020/2021 academic year. The researcher will use the semi-experimental method. It is known for designing the Pre-and Post – test of the control group by studying the impact of the independent variable (one of LMSs like .Schoology) on the dependent variable (Academic Achievement). The researcher will select a random sample from first year secondary students who are in their second semester of the academic year 2020/2021.The target population is approximately 40 students divided across the experimental and control groups in which 20 students participate in each group .The students in the two groups were exposed to the Pre / Post achievement test .

6 Expected results

In reviewing above literatures, I expect that the results will be:

There are statistical significant differences at (0.05) between the average scores of the experimental group students and that of the control group in the achievement test for the experimental group.

There are statistical significant differences at (0.05) between the average scores of the experimental group students in the achievement test where the sake is for the After-Application.

References

[1] Koong, C. S., Yang, T. I., Wu, C. C., Li, H. T., & Tseng, C. C. (2014). An investigation into effectiveness of different reflective learning strategies for learning operational software. Computers & Education, 72, 167–186. doi:10.1016/j.compedu.2013.11.003[1]

[2] Kotzer, S., & Elran, Y. (2011). Development of e-learning environments combining learning skills and science and technology content for junior high school. Procedia-Social and Behavioral Sciences - Teachers for the Knowledge Society, 11, 175-179.

[3] Kuo, F. O., Yu, P. T., & Hsiao, W. H. (2015). Develop and evaluate the effects of multimodal presentation system on elementary student learning effectiveness: Within classroom English learning activity. Procedia—Social and Behavioral Sciences, 176, 227–235. doi:10.1016/j.sbspro.2015.01.465.

[4] Mahnegar, F. (2012). Learning management system. International Journal of Business and Social Science, 3(12), 144-150.

[5] Martin, A., & Madigan, D. (2006). Digital Literacies for Learning. London: Facet Publishing. ISBN 9781856045636.

[6] Pardamean, B., Suparyanto, T., & Kurniawan, R. (2013). Assessment of graph theory e-learning   utilizing learning management system. Journal of Theoretical and Applied Information Technology, 55(3), 353-358.

[7] Psycharis, S., Chalatzoglidis, G., & Michail, K. (2013). Moodle as a learning environment in promoting conceptual understanding for secondary school students. Eurasia Journal of Mathematics, Science & Technology Education, 9(1),11-21

[8] Pituch, K.A. & Lee, Y. (2006). The Influence of System Ccharacteristics on E-learning Use. Computers & Education, 47, 2, 222-244.

[9] Unwin, T., Kleessen, B., Hollow, D., Williams, J., Oloo, L. M., Alwala, J., Mutimucuio, I. Eduardo, F. and Muianga, X. (2010). Digital Learning Management Systems in Africa: Myths and Realities. Open Learning: The Journal of Open and Distance Learning, 25, 1, 5-23.