An Evaluation Study of an E-Learning Course at the Duhok Polytechnic University:
A Case Study

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ABSTRACT

In last decade, there has been a growing awareness of e-learning, which is the most recent type of distance education and has become a highly significant model of educational technology. Today e-learning studies indicate that there is an increasing use of this educational scheme for students, trainers, and instructors, which improves the learning capability of the students and trainee by depending on student-centered learning (SCL) scheme rather than using the traditional teacher or trainer-centered teaching mechanism. However, students' awareness for the advantage of using e-learning has not been significantly investigated, especially in Iraq. The aim of this article is to inspect students' awareness of the use of e-learning at the Dohuk Polytechnic University. Participants involved in this study were 100 students studying the C++ programming language course during 2015-2016 and 2017-2018 academic years and 210 students studying a computer application course during 2018-2019.

KEYWORDS

Distance Learning, E-Learning, Learning Management System, Student-Centered Learning

1. INTRODUCTION

The process of distributing the electronic questionnaire form to the students participating in the course was supervised by the researchers. The results of this research showed that students have a high awareness for E-Learning system as a new approach of study and self-learning. What can be clearly seen in the research results is that students understanding for the utilization of e-Learning are significantly positive. In addition, results of this study indicated that E-Learning possibly will be as effective as traditional training and learning method, Electronic learning is a technological education that act as a substantial character in modernist education and trainee-ship. E-learning is one of the latest directions of learning that has emerged to defy the classical "bucket theory" or banking Understandable of teaching. The banking Understandable of teaching assumes that the knowledge is

reigns by the university teacher and installment it for the students those are an ineffectual present the classrooms (A. G. Almekhlafi,2009). Its significant contribution lies in the fact that the content of the course is ready at any device and venue from a steady device to mobile device. For the time being, use of technology made the education achievable everywhere (A. G. Almekhlafi,2004). Majority of the institutes in Higher Education, utilize Learning Management Systems (LMS) to hand over their course resources to the students. E-learning is one of the latest methods of modern education in keeping with rapid development of distance learning technology. An example of how E-Learning Web Based Instruction (WBI) can influence education is the study carried out by (A. G. Almekhlafi 2005) in which they providing full online courses. Now days the online learning improve from peripheral model of education to a usually accepted and gradually more and more popular alternate to classical face to face education (A. M. Abdulazeez, S. R. Zeebaree, and M. A. Sadeeq 2018). What stands out last few years is the continual growth of utilization of E-Learning in the educational institutes. In the bright of this enlargement of research, there are yet various ongoing endeavors and highlight fields deserved for future realization (A. M. Abdulazeez and S. R. Zeebaree 2018).

Currently, the educational technologies backing robustly both teaching and learning processes (TL), which are utilized in educational medium both in classical learning and podiums across internet (i.e. E-Learning). In the recent years, the advanced technology has given aids in provided that pertinent information for everyone teaching actors (teachers, students, coordinators, and managers) expressible within various educational mediums [9], while just like that boosting he quality and inventions in the context of academic education as highlighted by (B.Alhayani,H.Ilhan 2010).

The fast development of computers and Internet technologies and its vital role in education has introduced E-Learning as substantial approach of teaching and learning. Ever the attractiveness of E-Learning to the interests and attention of learners there has been a significant an increased in requirements of multimedia educational accessories. Single of the main features of E-Learning's its ability to combine several media, like picture, text, audio, video, and animation to create an educational material for multimedia, raising the interests of readability, and readiness of the students. Even though, (WBI) is a modern field of studies on the scientific arena compared to other fields in education, it is get bigger quickly and is one of the speediest increasing corrections throughout the universe. E-Learning is the newest evolution of remoteness teaching, that became a much earnest part of teaching technology. Its spread is increasing dramatically, especially in lifelong learning and corporate training (B. Alhayani, H. Ilhan 2020). Furthermore, the researchers mentioned that social media also have a great role in learning process and contributes to the development of cooperative learning (B. H. Khan,2001). One of the latest methods of education, which is based on modern technology is e-Learning or content management system built and based on the Internet and the web (N. Gunawardena and M. S. McIsaac, 2013)]. These tools could display many interactions, for example, delivering learning content and online communication, enabling either real-time or asynchronous communication among entrants He, (K., Zhang, X., Ren, S., & et.al. 2016). An examples of these tools or platforms are: Top-class, Moodle, WebCT, Blackboard, Google classroom, FirstClass Classrooms, CoSE and Learning Landscapes (H. Ilhan, B. ALhayani,2017).

2. LITERATURE REVIEW

Newly, web technology has been considered with enormous interest to overcome cost and quality issues in universities. The university students need IT in case of teaching and learning by bring into move more modernity, effectual, and efficient substitute like E-Learning. E-Learning have the role to hand over the content of the course via different types of electronic media's. For decades the notion of E-Learning has be concerning while it is the most important up-to-date expansions in the manufacture of information systems (H. M. Selim, 2007)

Since e-Learning has become one of the most powerful and prosperous tactics in learning for presenting study; by means of its abilities like increasing impulse and self-estimate at students,

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