
Impact Of Quality Courseware on Effective E-Learning

Saif M. Duhaim ^{1*}, Zahraa H. Ghadhban ²

^{1,2} Middle Technical University, Baghdad, Iraq

Email: saifmtd@mtu.edu.iq ^{1*}, zahraa_hameed22@mtu.edu.iq ²

Address: Baghdad, Baghdad Governorate, Iraq

Email correspondence: saifmtd@mtu.edu.iq

ABSTRACT. Courseware is an effective and important teaching and learning model, and it is at the core of the process of creating e-learning. The objective of this paper is to show effect of quality courseware on effective e-learning. A quantitative research approach by questionnaire has been utilized. A total 90 participants have been surveyed with the use of the questionnaire. This study shows that quality courseware was the most significant positive factor and more import e learning success.

Keywords: Courseware, E-learning, Questionnaire, Success

1. INTRODUCTION

E-learning can be defined as the use of information and communications technology (ICT) in teaching as well as learning, it includes ICT tools and items such as the web-based mobile applications, systems, multi-media and hyper-media software utilized for learning [1]. Courseware is utilized for delivering instructions via Internet. A courseware indicates as well LMS (i.e., Learning Management System). [2]. Many factors effect on E-learning like access to curriculum, technology, lecture efficiency, interface quality, and elearning system comprehensiveness and more other [3]. In this study focuses on one factor is quality of the courseware,

Courseware can be described as a learning resource integrating the expository contents with the formative practice questions in short, objective-aligned lessons at the same time as offering adaptively and assessments within student's learning path flow [2]. This integrated approach optimizes learning by providing targeted content, active practice, adaptability, and assessment seamlessly throughout the student's educational journey. Interactive multi-media courseware represents independent computer-based learning media integrating a variety of text, image, photo, audio (narration or music), animation and video elements in a single learning application product [4]. E-learning courseware represents a significant and effective teaching and learning model for the enhancement of students' academic achievements. And courseware is at the core of the process of creating e-learning. [5]

Learning resources, in particular courseware materials that are always designed for the purpose of conveying learning deliverables of studies affect the success of learning [6],[7]. Internet-based patterns of teaching stress rich resources of teaching as well as computer aided instruction courseware [7]. This research has highlighted essence of rich

resources of learning and supported the learning material as factors of the successful internet learning model implementation. It emphasizes that with the rich courseware, learners will be given a possibility of independently studying in with their comfortable planning, thus, the present work had argued that, due to courseware richness is an aspect for the success of an internet learning platform implementation, and the platform of internet learning is one of the integral e-learning components.

2. METHOD

The method used in this research is a quantitate method and instrument was used to evaluate quality courseware of English subject at the Technical Institute of Management. The number of students was around 90. And used statistic SPSS to analyze data.

3. RESULTS

Personal information concerning participants included their gender and age. Students have been within the age range between 18 and 23, with an average value of 20.2 years. Percentage of males (44.44%), and females (55.56%). Demographic analysis results are listed in Table1.

Table 1. Personal Information

Gender		
Gender	Percentage	Frequency
Male	44.44%	40
Female	55.56%	50
age		
mean		Frequency
20.2		90

Table 2. Study Details

NO	ITEM	SA		A		NS		DA		SDA		mean
		N	%	N	%	N	%	N	%	N	%	
1	I get useful learning material on English	31	34.44	20	22.22	16	17.78	15	16.67	8	8.89	3.57
2	The study textbook guides in building my English skill	32	35.56	20	22.22	14	15.56	14	15.56	10	11.11	3.56
3	Lecture notes are available for all the lessons that have been given on English	16	17.78	27	30.00	13	14.44	20	22.22	14	15.56	3.12
4	Lecture notes that are provided simplify difficult lessons in English	27	30.00	27	30.00	11	12.22	24	26.67	1	1.11	3.61

5	The study textbook teaches current lessons in English skill	30	33.33	25	27.78	18	20.00	10	11.11	7	7.78	3.68
6	The study text-book includes practical-oriented exercises and projects in English skills	29	32.22	20	22.22	12	13.33	22	24.44	7	7.78	3.47
7	Lecture notes provide connections between English and the programming lessons.	25	27.78	28	31.11	21	23.33	10	11.11	6	6.67	3.62

Results of descriptive statistics have been listed in Table2. Results have shown that all of the items have been positive and significant. Table2 presents students' perception domain of the English course e-Learning. Detailed information about items (1-7) of the questionnaire will be presented below.

Item 1: Most of respondents 31 (34.44%) strongly agree and 20 (22.22%) agree concluded that courses are beneficial, in addition to 15 (16.67%) disagreed, however, 8 (8.89%) strongly disagreed. The average value has been (3.57) of courses are useful.

Item 2: It showed that respondents of 32 (35.56%) strongly agree and 20 (22.22%) agree that study text-book guides in the building of my English skill, whereas 10 (11.11%) strongly disagreed. The average value of this item has been estimated as (3.56).

Item 3: 20 (30.00%) of the respondents said (agree) that Lecture notes are available for all of the lessons that have been given on English. And some of them around 16 (17.78%) said (strongly agree). But, 14 (15.56%) of the participants strongly disagreed. Total mean value of this item has been (3.12).

Item 4: It is observed that 27 (30.00%) said strongly agree and same rete agree that Lecture notes have simplified difficult lessons in English. Then only one (1.11%) of respondents have strongly disagreed. This item's mean is (3.61).

Item5: As observed 30 (33.33%) of respondents have stated that they strongly agree. Then around 25 (27.78%) of respondents were agree. While 7 (7.78%) have strongly disagreed. Mean of the item was (3.68).

Item 6: It has shown that participants of 29 (32.22%) strongly agree and 20 (22.22%) agree that study text-book contained practical-oriented exercises and projects in English skill. And 7 (7.78%) have strongly disagreed. This item's mean is (3.47).

Item 7: 28 (31.11%) of the respondents said (agree) the lecture notes provide connection between English and my programming lessons. And some of them about 21

(23.33%) have been undecided. However, 6 (6.67%) of the respondents have strongly disagreed. Total average value of this item is (3.62).

4. CONCLUSION

Courseware represents an effective and significant teaching and learning model, and it is at the core of the process of creating e-learning. This paper this argues that, since courseware quality is one of the factors for successfully implementing of e learning. This work had measured the responses of students at Technical Management Institute and have discovered that the quality of the Courseware needs to be studied as an important factor in e learning. And show how effect of quality courseware on effective e-learning was the most significant positive.

RESOURCES

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