A proposed design model for blended education depending on the E-learning evaluation model compared to regular education in universities, based on the viewpoint of the beneficiaries

Osama basil gazi Madenat Alelem University College Osama87@mauc.edu.iq

Abstract:

The aim of the current research is to design a model to evaluate e-learning compared to formal education in Iraqi universities from the beneficiaries' point of view, identify the advantages and disadvantages of e-learning, and propose a design for blended learning based on the results of this study.

By verifying the hypothesis, the research sample of Iraqi university students' attitudes about elearning was surveyed, and the factor analysis of the correlation coefficients between the questionnaire questions revealed one general component and many collective factors regarding the benefits and drawbacks of e-learning. The research sample consisted of (100) teachers and (200) students from five Iraqi universities.

A questionnaire consisting of (30) items was used to identify the opinions of the research sample regarding e-learning and traditional education. The data was analyzed using the rotation of factors using the Varimax Method.

The results showed eight dimensions around which the negatives and positives of electronic and traditional education revolve.

Based on the results, the researchers proposed a new model for blended learning that can be used in Iraqi universities according to their available capabilities.

Keywords : E-learning . education . blended education . web based learning

الخلاصة :

يهدف البحث الحالي إلى تصميم نموذج لتقييم التعلم الإلكتروني مقارنة بالتعليم الرسمي في الجامعات العراقية من وجهة نظر المستفيدين، وتحديد مزايا وعيوب التعلم الإلكتروني، واقتراح تصميم للتعليم المدمج القائم على التعلم الإلكتروني. على نتائج هذه الدراسة من خلال التحقق من فرضية (التحليل العاملي لمعاملات الارتباط بين فقرات الاستبيان حول الاتجاه نحو التعلم الإلكتروني لدى عينة الدراسة من طلبة الجامعات العراقية يكشف عن عامل عام واحد وعدد من العوامل الجماعية لمزايا وعيوب التعلم الإلكتروني . وتكونت عينة البحث من (100) مدرس و(200) طالب من خمس جامعات عراقية وتم استخدام استبانة مكونة من (30) فقرة للتعرف على آراء عينة البحث حول التعلم الإلكتروني والتعليم التقليدي. تم تحليل البيانات بطريقة دوران العوامل باستخدام (طريقة فاريماكس). الكلمات المفتاحية : التعلم الالكتروني ، التعلم التقليدي ، التعلم المزدوج ، التعلم باستخدام شبكة الانترنيت . الكلمات المفتاحية : التعلم الالكتروني ، التعلم التقليدي ، التعلم المزدوج ، التعلم باستخدام شبكة الانترنيت . العلمات المفتاحية المعام الالكتروني ، التعلم التعلم المزدوج ، التعلم بالانترينيت .

In the traditional style of education, the teacher is the main focus of the educational process and classroom management, choosing the type and quantity of educational material to be provided to the controls and deaths of the official working hours during his learning. As for e-learning, there is greater freedom

As for e-learning, there is greater freedom for the student to choose the time and place of study, and the role of the teacher is limited to guidance and counseling only.

E-learning refers to using electronic media and information and communication technologies in education. It is broadly synonymous with multimedia learning, technology-enhanced learning, computerbased instruction, digital education, mlearning, virtual learning environments, online education, and web-based training.

These other titles highlight a specific feature, element, or distribution mode. Text, voice, picture, animation, and streaming video are all delivered through various media in e-learning (Other technological applications and procedures include computer-based learning, CD-ROM, satellite TV, audio or video cassette, local intranet/extranet, and web-based learning). Many e-learning processes are supported bv information and communication technologies, which can be standalone or dependent on the Internet or local networks in networked learning. Each type (traditional education or E-learning) certainly has advantages and disadvantages, and there are also those who oppose or support the use of any of them.

So Bersin, Josh (2004) sees "that despite the modern advances in the field of education, there will always be a role for the teacher, professor, or subject-matter expert to teach and entertain us in a classroom. Instructors convey enthusiasm, expert knowledge, experience, and context. They can answer questions and change the pace and direction of a class based on the audience. Even more importantly, as we have learned in e-learning, instructor-led training has a cultural effect: people interact and learn from one another" (Bersin, Josh, 2004).

So, In order to compare traditional and online learning as two distinct approaches to knowledge acquisition, this study will compare the two. The effectiveness of online learning versus traditional learning will be assessed by looking at the results of a questionnaire that compares various perspectives on using both.

1-1 Problem statement:

E-learning has multiple pluses, including its flexibility in terms of presentation methods, application time, and low cost. In addition, it facilitates teaching and training an unlimited number of learners at once, taking exams and grading automatically. Reports and homework are received and evaluated, thus saving time and methods. Convenience for students to choose their learning time according to their characteristics, take responsibility for their education, and improve their computer skills.

E-learning makes education studentcentered, where students participate in the learning process, and teachers act as supervisors and guides for students (Al-Salman et al., 2021).

Users can acquire the abilities they'll need for the future by using the Internet in their schooling (Haider and Al-Salman, 2020).

Given that students have access to internet resources around the clock, online education is beneficial for them (Stern, 2020). The majority of educational institutions worldwide were compelled to transition to online instruction because of the COVID-19 pandemic, but several lacked the necessary resources to teach students remotely effectively. Moreover, there are global differences in faculty training between high-, middle-, and lowincome nations. For underprivileged pupils, internet access is yet another significant barrier. In-person training is more effective than online learning (Zakariya et al., 2021).

In Iraqi universities, e-learning was used before 2020 and the spread of the coronavirus pandemic in a minimal way, difficulties related to the weak infrastructure of universities, and the lack of experience of most professors and students with mechanisms and methods of teaching and electronic calendar.

Based on the researcher's experience teaching in Iraqi universities for more than ten years, he concluded that e-learning makes students obtain high test marks. Still, these degrees need to reflect the extent to which they genuinely absorb information and study skills, and this may be due to errors in presentation, the educational material or the method of conducting electronic tests.

Therefore, after the application of elearning became an inevitable issue in Iraq, the researcher considered conducting research that reveals the impressions of the students who benefit from it and outlines the benefits and drawbacks, from their perspective, of e-learning compared to traditional education. Present proposed solutions to address the negatives and enhance the positives, and then suggest designing a web app framework to improve e-learning.

2 -The aim of the research

a- The current research aims to design a model for evaluating e-learning compared

to regular education in Iraqi universities based on the viewpoint of the beneficiaries. b - evaluating the benefits and drawbacks of online education and working to fix some of these issues.

c- Suggest a design for blended learning based on the results of this study

2-1 Hypothesis of the research:

In a research sample of students from Iraqi universities, the factor analysis of the correlation coefficients between the questionnaire questions on the trend towards e-learning indicates one general factor and many group factors for the benefits and drawbacks of e-learning.

3-Literature Review

NO	Tittle	Author	year	Objectives	Theory/ model	method	Tools	Findings	Limitati ons	Future work
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Vol. 15 No. 2 Year 2023

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Vol. 15 No. 2 Year 2023

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Vol. 15 No. 2 Year 2023

	gh an onlin e scena rio game	Service	2021		ADDIE	and planning.	71	indicate that participan ts' basic knowledg e is successful ly improved by this gaming platform. about new concepts, models and issues in the urban tourism context.	1 TL	modes of learning and other e- Learning elements.
5	Creat ion and Imple ment ation of a Self- Diag nostic Mobi le Appli catio n to Adva nce Learn ing in Remo te Practi ce Learn ing	Semin Kim and Hyung- Jin Mun	2021	creation and implementat ion of a mobile application that enables students to assess their own progress Acquiring non-face-to- face experience with Arduino	ADDIE model	a mobile applicatio n was produced according the ADDIE model with five stages (analysis, design, developme nt, implement ation, and evaluation) and applied to Arduino practice learning.	The question naire	1. that it was crucial to self- diagnose learning progress in non- face-to- face practice learning. 2. In 17 out of 22 questionn aire items, the majority of learners gave the learning progress self- diagnostic mobile applicatio n, created for this study, a score of four or above. 3. The applicatio n was also heavily used for learning that did not take place in person. 4-The results of the usability rating by gender	1. The Arduino course is the focus of our investigati on. 2. First- year universit y students in IT- related fields .	develop a mobile applicatio n that adds a function to translate students' feedback into sentences by using voice input in practice learning classes.

Vol. 15 No. 2 Year 2023

6	The		2022	Designing	communi cative	Experimen tal design	Multiple-	could not be verified by this investigati on. 1 -The	1-	use of electronic
	n of an ectronic earning onment. st of the unicativ ory and ipact on the evement e fourth cientific dents of physics	Majida Ibraheem Ali, and Karim jabber sabr sabr		an electronic learning environment based on the communicat ive theory and revealing its impact on the fourth scientific achievement of Physics	theory	with two groups, experimen tal and control	choice type test to measure the achieve ment of physics subject	possibility of using e-learning according to the communi cative theory in hybrid education 2 -The students of the experime ntal group outperfor med the students of the	Students of the fourth scientific grade in secondary schools in the city of Baghdad -2 An electronic learning environme nt according to the communic ative theory 3- Google Classroo m platform	learning environme nts based on communic ative theory in teaching other subjects

3-1-Discussion

Previous studies differed in their research method; some used descriptive research as in studies (1,2), while studies (3,4,5) used experimental research.

The research community and its sample in the studies (1,2,4,5) were university students, while the study (6) dealt with secondary students, and the study (3) dealt with students, teachers and education directors.

All previous studies have proven the effectiveness of e-learning in improving the learning process.

Some studies suggested conducting similar future research

4-Research design and methods 4-1-Research type:

a) The researcher will analyze the benefits and drawbacks of the two learning systems using a descriptive-analytical technique and demonstrate how Elearning may be applied broadly in an educational setting. b) The researcher will use the descriptive approach to reveal the opinion of the research sample towards elearning and t-learning through their answers to the questionnaire paragraphs.

4-2-Population and sample 4-2-1-Research population:

The research population is represented by teachers and students of Iraqi universities in the capital, Baghdad, exclusively for the academic year 2021-2022, which are:

A- University of Baghdad.

B- The Iraqi University.

C- Al-Mustansiriya University.

D- University of Technology. E- Karh University of Science.

4-2-2-The research sample:

The research sample was randomly selected as follows:

A- The research sample was chosen from the teachers of the faculties in the targeted universities, the total (100) teachers from each university and with different specializations.

B - A sample of students was selected from the targeted universities, the total (200) students from each university and with different specializations, as in Table (1).

The University	No.teacher	No.student
Baghdad	25	55
The Iraqi	20	35
Al-Mustansiriya	25	45
Technology.	20	45
Karh of Science	10	20
Total	100	200

Table (1): Distribution of the research sample by universities and specializations

4-3-Research tool:

A - The researcher utilized the surveys to compare e-learning to traditional forms of education for undergraduate students. So, after reviewing previous studies, the researcher builds a questionnaire to poll students about the use of e-learning according to the following steps:

1- Prepare (30) paragraphs related to the pros and cons of e-learning and traditional education.

2- The researcher adopted the Likert Scale¹, in which the respondent is asked to determine the degree of his approval or disagreement with specific options, and this scale consists of three graduated options.

It is (agree, not sure, disagree) and grades (3,2,1) were given respectively. Thus, the total score on the scale ranges (from 30-90).

In order to verify the validity of the questionnaire, it was presented to the specialists, and 80% of the experts agreed with it.

It also obtained a stability of 0.79 using the Alpha Cronbach method.

4-3-2- Data analysis method

After emptying the answers to the questionnaire items, the data were analyzed by the main components technique of factor analysis.

Factor Rotation Employing the Varimax Technique.

5-Discussion of the results:

5-1-Confirming the validity of the hypothesis:

The cost of the questionnaire items and the correlation coefficients between them, as well as a factor analysis of the correlation matrix using the main components method and the rotation method of Varimax to extract factors after the rotation, are used to verify this hypothesis, which will transpire as follows:

-Analysis of the factors using the method of the main components (after rotation) revealed extract (8) factors that carried (68.9%) of the total variance.

-Because of these fundamental factors, the following criteria were used as criteria to determine the identity of the extracted factors after the rotation. These criteria are:

a. It should not be the root underlying less than 1.

b. The number of items loaded with a factor must not be less than 3.

c. The minimum item to be loaded with a factor must not be less than 0.40.



Figure(1) : Scree plot

In light of these criteria, the researcher illustrates the extracted factors after the rotation of the questionnaire items in the following manner :

Factor 1: 3 items were loaded. The variance of this factor reached 23.760% of the total variance. Its latent root was 7.128. Below are the items loaded with these factors and the value of the loads.

Table (2)	: Difficulty	evaluating	students	of e-learning.
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Item No.	Item Content	Load Value
INO.		value
21	I think that E-learning increases the phenomenon of cheating in	.933
	exams.	
24	The evaluation by E-learning do not provide a real indicator of	.931
	student's achievement of academic.	
27	I think there is a difficulty in evaluating students piratical	.923
	achievement electronically.	

Based on the results presented in Table 2 and a review of the content of the items and the sizes of the loads and their trends, it becomes clear that it is a unipolar factor and it can be called (Difficulty evaluating students of e-learning).

Factor2: 3 items were loaded. The variance of this factor reached 11.869% of the total variance. Its latent root was 3.561 Below are the items loaded with these factors and the value of loads:

Table (3) : Lack of equipment and experienced teachers of e-learning

Item	Item Content	Load
No.		Value
5	Poor internet makes simultaneous E-learning very tiring.	739
7	I find that most of the teachers are not qualified to use E-learning.	.691
28	Electronic lectures require advanced devices and expensive smart	.673
	applications.	

Based on the results presented in Table 3 and a review of the content of the items, the sizes of the loads and their trends, it becomes clear that it is a unipolar factor, and it can be called a lack of equipment and experienced e-learning teachers.

Factor3: 3 items were loaded. The variance of this factor reached 7.991% of the total variance. Its latent root was 2.397. Below are the items loaded with these factors and the value of loads. **Table (4):** Unwillingness to continue with e-learning

Item	Item Content	Load
No.		Value
6	I will stop using the E-learning once the current conditions are over	.947
11	I think that using E-learning is an educational fad that will soon be over.	.941
17	I think parents don't like their children study online.	.929

Based on the results presented in Table 4 and a review of the content of the items, sizes of the loads and their trends, it becomes clear that it is a unipolar factor, and it can be called (Unwillingness to continue with e-learning).

Factor 4: 3 items were loaded. The variance of this factor reached 6.903% of the total variance. Its latent root was 2.071. Below are the items loaded with these factors and the value of loads.

Table (5) : Fulfillment of personal needs

Item	Item Content			
No.		Value		
20	I hope to participate in conferences and exhibitions a bout E-learning.	.923		
8	I would like to continue my studies and researches using E-learning	.902		
16	I express my opinion and participate in discussions more than I do in	.716		
	traditional education.			

Based on the results presented in Table 5 and a review of the content of the items, sizes of the loads and their trends, it becomes clear that it is a unipolar factor, and it can be called (Fulfillment of personal needs).

Factor 5: 6 items were loaded. The variance of this factor reached 6.333% of the total variance. Its latent root was 1.900. Below are the items loaded with these factors and the value of loads.

 Table (6) : Disadvantages of e-learning

Item	Item Content	Load
No.		Value
3	I think that using E-learning in learning and education is	.734
	something tired and stressful.	
22	I avoid participating with my colleagues in educational activities	.671
	using E-learning.	
30	I think that negatives of E-learning more than its positives.	.542
9	I think that using E-learning does not take into account the	541
	individual circumstances among the students.	
15	I think that E-learning is not suitable for teaching practical	.490
	subjects.	
23	I think that learning by using E-learning weakens social cohesion	442
	among students.	

Based on the results presented in Table 6 and a review of the content of the items, sizes of the loads and their trends, it becomes clear that it is a unipolar factor, and it can be called (the disadvantages of e-learning).

Factor 6: 5 items were loaded. The variance of this factor reached 4.455% of the total variance. Its latent root was 1.336. Below are the items loaded with these factors and the value of loads:

Table (7): E-learning quality

Item	Item Content	Load
No.		Value
1	E-learning makes learning fun and easy.	.743
29	I think that E-learning contributes in solving many of the	.690
	problems that traditional educational suffers from.	
26	I see that using E-learning gives me freedom to express myself.	544
12	I think that using E-learning stimulates my attention and	.520
	motivation for learning.	
18	I think that E-learning develops my thinking	.517

Based on the results presented in Table 7 and a review of the content of the items, sizes of the loads and their trends, it becomes clear that it is a unipolar factor, and it can be called (e-learning quality).

Factor 7: 3 items were loaded. The variance of this factor reached 4.126% of the total variance. Its latent root was 1.238. Below are the items loaded with these factors and the value of loads.

Table (8): The necessity of preparing the requirements for the continuation of e-learning

Item	Item Content	Load
No.		Value
25	It is preferable to create platforms for communication between	.762
	students and administration	
19	Local laws should be issued to recognize the certificate via E-	.759
	learning.	
13	Technical and administrative requirement for E-learning should be	.726
	provided.	

Based on the results presented in Table 8 and a review of the content of the items, sizes of the loads and their trends, it becomes clear that it is a unipolar factor, and it can be called (The necessity of preparing the requirements for the continuation of e-learning).

Factor 8: 4 items were loaded. The variance of this factor reached 3.480% of the total variance. Its latent root was 1.044. Below are the items loaded with these factors and the value of loads.

Table (9): Enjoyment and enthusiasm for e-learning

Item No.	Item Content	Load Value
4	I am keen on E-learning as long as it is available.	.678
14	I discuses with my colleagues about the success of the experience	.676
	of using E-learning.	
10	I appreciate the teacher who uses E-learning methods in	.522
	education.	
2	I try to make a list of useful educational sites and share them with	.492
	my colleagues.	

Based on the results presented in Table 9 and a review of the content of the items, sizes of the loads, and their trends, it becomes clear that it is a unipolar factor, and it can be called (Enjoyment and enthusiasm for e-learning).

In Table (10), there is a summary of the questionnaire and the comments .

Facto	Item	Total	Latent	Name Factor	Comments		
No	No.=>3	Variance	Root				
		> %0.45	R>1				
1	3	23.760	7.128	Difficulty evaluating students of Disadvantage			
				e-learning		e-learning	
2	3	11.869	3.561	Lack of equipment and experienced	Disadvantage		
				teachers of e-learning			
3	3	7.991	2.397	Unwillingness to continue with e- Disadvantage			
				learning			
4	3	6.903	2.071	Fulfillment of personal needsAdvantage			
5	6	6.333	1.900	Disadvantages of e-learning Disadvantage			
6	5	4.455	1.336	E-learning quality	Advantage		
7	3	4.126	1.238	The necessity of preparing the Disadvantage			
				requirements for the continuation			
				of e-learning			
8	4	3.480	1.044	Enjoyment and enthusiasm for e- Advantage			
				learning			

Table (10)	Summary	of the c	questionnaire

First: The advantages of E-learning:

1- Fulfillment of personal needs.

2- E-learning quality.

3- Enjoyment and enthusiasm for e-learning Second: The disadvantages of Elearning:

1- Difficulty evaluating students of elearning

Lack of equipment and experienced 2- teachers of e-learning.

3- Unwillingness to continue with e-learning.

4- Disadvantages of e-learning.

5- The necessity of preparing the requirements for the continuation of e-learning.

The results of the research show that despite the technical and administrative support for e-learning, it failed to meet all educational needs and that the disadvantages of e-learning from the point of view of the research sample are more than its positives, represented by:

- The feeling of isolation, absence of feelings, lack of sense of community and face-to-face interaction with peers
- Problems related to time with the information overload and the lack of time needed to do the homework compared to traditional teaching.

- Problems related to evaluation cheating has become a general phenomenon in the educational process.
- One of the most prominent obstacles to elearning is the cost of providing computers, programming, maintenance, training, and internet access.
- The wrong use of technology is due to technical reasons, such as lack of training in using devices or ethical reasons.

6.0 Suggestions for future work

Based on the results of this research, which showed some of the pros and cons of elearning and the obstacles to its successful use from the student's point of view.

Therefore, the researcher designed a blended learning model that combines the advantages of e-learning and traditional education and proposes its use in Iraqi universities, especially since it is easy to use according to the capabilities available in the Iraqi university educational environment, which is:



Figure(2) : Suggested blended learning model

7-Conclusion:

In this research, the researchers used a model to analyze the answers of the research sample, consisting of teachers and students from some Iraqi universities, to a questionnaire consisting of (30) items that were prepared for the purpose of surveying the opinions of the research sample about e-learning and traditional education.

The data was analyzed using the rotation of factors using the Varimax Method.

The researchers presented a proposed model for education. The blended program was designed to avoid the shortcomings of traditional and electronic education and take advantage of their advantages.

8- References

[1] Al-Bawi Magda Ibrahim, and Karim jabber sabr,2022," The design of an

electronic learning environment. a list of the communicative theory and its impact on the achievement of the fourth scientific students of physics" Journal of Egyptian Association for Educational Computer, Volume 10, Issue 1 - Serial Number 19, Page 25-46.

[2]Al-Salman, S., and Haider, A. S. (2021).
Jordanian University Students' views on emergency online learning during COVID-19. Online Learn. 25, 286–302. doi: 10.24059/olj. v25i1.2470
[3]Chung-Shing Chan, Yat-hang Chan and Tsz Heung Agnes Fong.2020." Game-based

Tsz Heung Agnes Fong,2020," Game-based e-learning for urban tourism education through an online scenario game", INTERNATIONAL RESEARCH IN GEOGRAPHICAL AND ENVIRONMENTAL EDUCATION, VOL. 29, NO. 4, 283–300.

[4] Joanna Sadłowska-Wrzesińsk, Krzysztof Grupkand Izabela Gabryelewicz,2015," IT training - lecturer or e-learning?

Case study", Applied Mechanics and Materials, Vol. 795, pp 186-193.

[5]Haider, A. S., and Al-Salman, S. (2020), Dataset of Jordanian university students' psychological health impacted by using Elearning tools during COVID-19. Data in Brief 32:106104. doi: 10.1016/j.dib.2020.106104.

[6]Mohammad Ali H. Eljinini and Salwa Alsamarai, and Suha Hameed, and Amaal Amawi,2012,"The Impact of E-assessments

System on the Success of the Implementation Process", I.J. Modern Education and Computer Science, 11, P76-84.

[7]Semin Kim 1 and Hyung-Jin Mun,2021,"Design and Development of a Self-Diagnostic Mobile Application for Learning Progress in Non-Face-to-Face Practice Learning", applied Sciences, Vol.11, 10816, p2-13.

[8]Stern, J. (2020). Introduction to Online Teaching and Learning. Available online at: http://www.sloan-

c.org/resources/index.asp (accessed November, 2020).

[9]Zakaryia Almahasees, Khaled Mohsen and Mohammad Omar Amin,2021,"Faculties and Students' Perceptions of Online Learning During COVID-19", Frontiers in Education, https://doi.org/10.3389/feduc.638470