



The Reality of E-Learning under The Corona Pandemic from The Point of View of History Teachers in Baghdad Governorate

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ABSTRACT

This study aimed to know the reality of e-learning in light of the Corona pandemic from the point of view of science teachers in Madaba Governorate, where the researcher used the descriptive analytical approach in order to achieve the objectives of the study by applying a special questionnaire to a sample of (500) male and female science teachers. General for the basic stage.

The results of the study showed: that there are real obstacles facing learners during education in light of the Corona pandemic from the point of view of teachers of science subject, where the estimates of the study sample were high about the obstacles, as the researcher believes that learning Remotely, it requires remote communication competencies and computer competencies, which are competencies that students have not trained in, which created difficulties in understanding messages and instructions from the first time, and some students are not trained to deal with computers and smart phones. The results also showed that there are no differences, and this applies to the variable of specialization, and the variable of the academic year.

The study recommended several recommendations, the most important of which are: investing in the positive directives for students towards a distance, developing plans and programs to benefit from these directives, and giving training courses in the field of distance education to both students and teachers. Emphasizing the need for educational institutions to pay attention to the introduction of e-learning in school education, and to spread e-culture among students to achieve the greatest degree of interaction with this type of education. Providing an appropriate educational structure for the application of e-learning in the school and removing all human, material and technical obstacles that prevent its spread in the educational system in various stages and fields.

Keywords: Distance learning, corona pandemic, science teachers.



Introduction

In our current era, the world is going through a health pandemic that affects all. In light of this pandemic, various educational institutions found themselves facing a major challenge in providing services to their students. The priority at this stage is health, but health is not an excuse for laziness and not facing the crisis in various purposeful ways. From here, many people emerged who began to compete at the level of various institutions in order to employ all means of communication and available technology to continue distance education. Human experiences are nothing but a great lesson for us as individuals, as institutions, as universities, as quasars, and as countries that investing in the opportunities available to us is the most appropriate option in order to continue the wheel of educational life with ease and convenience.(Fayez,2020).

As a result of the complete closures that various countries are experiencing as a result of this pandemic that has swept the entire world, researchers and educators have begun searching for the best and most successful ways to complete educational learning projects, with ease and convenience, in order to achieve important and purposeful communication with students. And since we live in an era of cognitive and technical developments, it has become necessary to pay attention to educational strategies that would support the teaching and learning process and achieve educational goals with high efficiency.(Abdul Salam,2020).

The changes and updates that have been introduced to knowledge have led to a fundamental change in the role of the teacher from a mere source of information as it was in the past, and a transmitter and indoctrinator of it to a designer, evaluator and guide of the educational process. This change must be understood by teachers in light of the scientific and technological developments, which have brought about changes in the educational process that have led to the introduction of modern terms, trends and theories in use, which have worked to change the routine role of the learner from a recipient of knowledge to a researcher and discoverer of it.(Druze,2020).

So that they are characterized by flexibility in accordance with what scientific developments add, which results in a change in the methods and strategies of teaching academic subjects, and the methods of dealing with them by the learner in order for the educational situation to succeed and the educational goals to be achieved.(Barden, 2019).

What distinguishes the teacher is his good knowledge of learning theories and modern methods, and his abilities, qualifications, readiness, and competencies, and his desire to learn, which enables him to help the student achieve the educational learning goals successfully and easily, and to act as a motivator for the student to research, explore,



and work, which leads to the permanence and continuity of the information.(Bradbard, 2019).

The teacher's provision of diverse learning resources and design of educational activities that respond to individual differences among students ensures the effective participation of each student in the classroom. Each learner feels that he is intelligent and an active individual who participates in creating knowledge and acquires it in a way that addresses his intelligence and ability. (The mischief-makers2020).

The researcher believes that the teacher's success depends greatly on the way he organizes his work and the work of his students, as well as on his administrative and supervisory style that he adopts. It is also affected by the climatic conditions surrounding the school, the social customs, and the family system that prevails in society.

It also contributes to solving the problems of students who seek to improve their academic level while they work in their offices, companies and institutions. E-learning provides the possibility of career and professional development to increase the efficiency of employees in the private and government sectors and keep pace with rapid developments in their field of specialization.(Froseth, 2018).

Distance education, as a part of e-learning, is one of the important applications of information and communications technology that raising the efficiency of the local market, and economic growth and development..Hence, the interest of educational institutions and universities in distance education increased, huge budgets were allocated, and appropriate strategies were developed to ensure its success.(Joffe,2018).

Currently, educational institutions and universities have dedicated many academic experts to work in work teams and task forces to achieve the goals of these institutions and achieve their missions. Traditional education during the Corona crisis is no longer useful to achieve educational goals. Various educational institutions care for all categories of students, including students who suffer from various disabilities. Caring for individuals with disabilities is considered one of the primary pillars for developing students' capabilities. Here, the role of educational institutions and various universities in improving People with disabilities and providing them with the necessary care based on the ability of these institutions to give student activities the sufficient amount of organization, attention and follow-up, and to focus on developing developmental aspects and acquiring life skills for them.(Druze,2020).

Modern studies and research are concerned with educating individuals under different



circumstances and providing them with various life skills such as problem solving, self-defense, self-assertion, functional skills, dealing with others and cooperating with them. Therefore, individuals need continuous training in various life skills and appropriate behavioral habits that allow them to interact appropriately socially, integrate into life in a fruitful manner, and practice the prevailing social customs and systems in society, such as bearing personal responsibility, respecting others, and others.(Mawata, 2020).

Some studies have indicated the importance and necessity of cooperation and integration between educational institutions and universities and the individual's local and societal environment in order to create a suitable educational and home environment that allows individuals to acquire the life skills and appropriate behaviors that they need in their family, school and social life in order to develop their developmental aspects.(0202,McGrath).

Study problem:

In light of the Corona virus crisis, the daily lives of many individuals have been cut off from various institutions, including Among them are students. It can be said that the process of students attending universities to receive education has become a fantasy in light of the existence of a real danger to their health, which has led to their interruption of face-to-face attendance at school, which has become urgent for educational institutions to find an alternative to face-to-face communication by relying on remote communication..

The process of remote communication requires clear knowledge by individuals on how to use different technologies in an effective manner in order to achieve the desired goal of the communication process, and since the various educational institutions are interested in continuing communication between the teacher and the student, it has become necessary for educational institutions to pay attention to the need to communicate with students of different categories in order to provide them with life skills that help them continue their lives in light of these circumstances that require clear cooperation from parents, the institution and teachers..

Since the researcher works in the school, it contributed significantly to the need to draw the attention of those working in the educational sector who provide educational learning services to the importance of communication in order to continue providing face-to-face services to them..

Given the importance of acquiring life concepts, there was a need to demand their introduction into various areas of life, especially educational areas. Despite the efforts made to develop and improve these skills in light of the current crisis, it has become



necessary to keep pace with the various developments in technical applications and adapt them to achieve educational goals.

It can be said that the problem of the study is summarized in identifying e-learning in light of the Corona pandemic from the point of view of history teachers in Baghdad Governorate?

Study questions:

- What are the obstacles facing the implementation of e-learning during the COVID-19 pandemic from the perspective of history teachers in Baghdad Governorate?
- Do the obstacles facing the implementation of distance learning during the Corona pandemic differ from the point of view of history teachers in Baghdad Governorate?(Gender, major, academic year)?

– Study objectives:

This study aims to stand at the point of view of history teachers in Baghdad Governorate.

The importance of the study:

The importance of this study is as follows::

theoretical importance:The importance of this study lies in the fact that it addresses the viewpoint of history teachers in Baghdad Governorate and their attitudes towards it as follows::

- It is hoped that this study will add some knowledge to the Arab library in general, and the Jordanian library in particular..
- It is hoped that researchers in this field will benefit from this study, as it provides a tool for collecting information whose validity and reliability have been confirmed..
- This study is expected to be a starting point for other research in administrative academic circles, with the theoretical literature and previous studies it provides..

Practical importance:It is hoped that the results of this study will benefit the following parties::

- Educational researchers in various educational institutions and universities.
- Support workers and primary care services for individuals.

Limits and limitations of the study:

The study limits are as follows::

- **human limits:** This study is limited to a sample from the point of view of history teachers in Baghdad Governorate..
- **Time limits:**This study is limited to the period between 29/1/2021-8/3/2021.



– **spatial boundaries:** This study is limited to government schools in Baghdad Governorate..

The study is determined by the results of the study in terms of the validity and reliability of the scales used in the study. The generalization of the adopted results depends on the characteristics of the sample and the degree of its representation of the society from which it was taken, and the psychometric properties of the study tools used..

Study terms:

This study includes basic terms, and the following is a conceptual and operational definition of them::

– **Distance education:** (In English: Distance Learning) It is one of the relatively modern methods of education..Its basic concept is based on the learner being in a place different from the source, which may be a book, a teacher, or even a group of students.(Course,2020).

– **Corona pandemic:** It is an ongoing global pandemic of coronavirus disease.2019(Coffee D-19(Caused by Coronavirus2 associated with severe acute respiratory syndrome(Sar S-Cove-2((Fayez,2020) .

– **Computer and Internet The Computer and Internet:** They are two of the products of modern technology, and are considered a technology in the field of information technology, as the heavy reliance on computers and their networks in the field of education, administration and others has made the Internet a guest who does not ask permission to enter universities, research institutes, graduate and regular schools. Therefore, the Internet is one of the most important achievements in the field of modern communications and the most widespread, in addition to being an open university that benefits students of science and knowledge all over the world.(Shaqour,2020).

Theoretical framework of the study

From that moment, discussions and dialogues began within the halls of universities and various educational institutions about alternative plans through which the continuity of educational service provision could be ensured, and how to benefit from educational expertise in the field of distance education, and the infrastructure available to us, as society was called to discuss this at all levels, and many initiatives emerged to maintain a state of communication and contact between teachers and their



students, and to continue providing educational services, as videos, explanations, video lessons and working papers spread on the pages of Jordanian schools, and closed groups were created for teachers and their students on various social networking sites and multiple meeting platforms such as the Teams program, and the Zoom program for lectures. Communication processes began between teachers and students, and the concept of e-learning became one of the most common concepts and topics in society. This situation created a situation of discomfort and loss for teachers, students and parents, especially since we are not ready, neither humanly nor materially, to use e-learning.(Druze,2020).

It begins with making a decision to use it as a first step towards readiness and then training human cadres. This constitutes the most important steps in providing a strong and solid infrastructure for the success of distance education and considering it not only an alternative to classroom education in emergency situations, but an essential and rich assistant in all circumstances, even in prosperity.(2018Sayibo,).

The researcher believes that the first results and outcomes in distance education place us before a challenge, which is that we can, in a relatively short period, establish an electronic education system, and the first step for this system is to qualify the educational and pedagogical cadres of teachers and administrators, and this is achievable and the first solution to the challenge of distance education. If we can achieve this step, we will be able to build on it to reach the system we aspire to, and all other challenges from training students and convincing parents and society of this system will become easy to achieve. All we need now is an official decision from the universities to actually start, executively and procedurally to establish an electronic distance education system to constitute an appropriate alternative for the continuation of education in emergency and crisis situations, and a system that supports face-to-face classroom education in normal circumstances, due to its great benefits in addition to employing and investing in technology in education, but rather extending beyond that to developing the capabilities of teachers and students in research and self-learning and developing levels of thinking to reach problem solving and creativity.

The concept of distance learning

It is well known that the number of students and scholars increases year by year to a degree that has exceeded the ability of educational institutions and universities, at different levels In addition to the large numbers of categories that need our support in education and training in various business fields in a way that reaches them in the locations where they work, whether in the industrial, agricultural, commercial, or other fields.(Sayibo, 2018).



In the face of these challenges and the tremendous technological developments, many attempts have been made by the world to create a new model of education known as distance education. New concepts have emerged, such as open institutions, continuous education, and others, which take forms other than traditional education, which relies to a large degree on modern technology.(Druze,2020).

These materials are conveyed to them through different technological tools and means, and are suitable for everyone who desires them regardless of age and qualification.(Shankour, 2020).

The educational programs are prepared by specialized teachers in the educational institution that provides a way that suits the self-learning of the learner without the help of the teacher. Most of us use a technical method called the educational bags for self-learning. Self-Learning Packages Most of us need to prepare them with specialized educational specialists in the preparation of self-learning units, as well as specialized professors in the targeted field, such as physics, geography, or others..

The distance education system provides a dual communication system. Two-Way Communication Between the student and the educational institution through professors and advisors, when students are asked to do some homework or work, then they send it to the educational institution, which in turn responds to the students with some comments and instructions in what is called feedback. This communication between schools and institutions can be achieved through modern technologies such as fax, e-mail, or regular telephone. Based on this, the student will correct the errors and proceed according to the correct steps of the program.(Singleton, 2020).

There is no doubt that this technological style has a great benefit, as it compensates for the negatives of the remote education system, reduces the time spent at school, and compensates for the lack of opportunities to communicate with teachers and fellow students. With the steady progress in communication technology, distance learning in recent years has become dependent on the mobile learning model. The flexible model It combines interactive multimedia Interactive Multimedia Which provides the storage of messages on the global communications network "WWW" And the Internet and direct access through it to the real or virtual classroom Virtual Reality Or access to electronic libraries, databases and direct communication conversations. On-Line Computer Mediated Communication But it is a technology that requires high costs and financial, human and technical capabilities that are not available in many educational systems.(Wegner, 2018).



The importance of distance learning

It is known that the education system in developing countries suffers from shortcomings and problems, and therefore distance education, especially in the context of multi-channel education, can contribute to confronting these problems and working to solve them..At the top of this list of shortcomings are problems of exclusion from traditional education, either due to gender, spatial distance, or poverty.(Williamson, 2019).

The low quality of education and the weak relationship between education and the requirements of development and progress are no less important. However, the problems of the education system and the characteristics of the general educational context in developing countries can produce distorted and inefficient patterns of distance education if they are not carefully planned and sufficient capabilities are not provided. Likewise, the multiplicity of educational channels, without careful improvement, can exacerbate the problems of organizing and managing educational systems efficiently.(Shaqour,2020).

The importance of implementing the distance learning system is highlighted through:(Back,2020):

- Distance learning opens the door to everyone.(Achieving the principle of equal opportunities).
- Overcoming the time barrier(Different age groups can join the distance learning system.).
- Overcoming the geographical barrier(Many people are deprived of education due to the long distance).
- Benefit from qualified educational energies instead of hoarding them(It is used by a limited number of students)
- Benefit from modern technologies in the educational process (Electronic brand-Internet-satellite-Video Conferencing-CDs)
- Reducing student pressure on educational institutions and universities(When the opportunity to educate students is lost due to the limited capacity of national institutions.

Obstacles to distance learning

- Financial barriers:The stages in which educational material is produced, exported



and marketed require high financial costs, and this is an obstacle for some countries, especially developing countries and countries with limited resources.(Druze,2020).

- Society's view of this style of learning:Some learners hesitate to study via the distance learning system due to society's view of this method of learning.(Shaqour,2020).

- The learner's view is that career opportunities cannot be obtained through this type of education.:

Learners may view that some institutions that employ human resources do not recognize this type of learning and do not employ them..

- Human resource related barriers:The lack of qualified human cadres to design and produce educational materials for distance learning, which leads to assigning this task to those who lack educational studies.(Back,2020).

Methodology and procedures

Research methodology

The researcher used the analytical classification method in this research, as she developed and classified the obstacles facing the application of distance learning during the Corona pandemic from the point of view of male and female science teachers in Madinah Governorate and analyzed the results after studying some independent variables expected to cause a change in the dependent variable.

Research community and sample

A random sample was selected from the research population..When the eyes of the Darsanah reached(500) A male and female teacher of history at the primary level in Baghdad Governorate. The sample selected randomly is a representative and honest sample..

Search tool

Firstly:Tool Setup

The researcher prepared a questionnaire consisting of:50 paragraphs that together represent the most important issues that reflect the obstacles to distance learning in light of the Corona pandemic. This questionnaire was prepared by following the following steps::

- Identifying the obstacles to learning about the Corona pandemic, by referring to previous literature that focused on education in light of preventive and community



epidemic measures..

1- The questionnaire included a five-point scale. Five categories were identified for each category to answer, as shown in Table No.(1):

Table No.(1) Distribution of the answer scale on the scale items

never	rarely	sometimes	mostly	always
1	2	3	4	5

It has been divided (always:5 degrees, mostly:4 degrees, sometimes:3 degrees,rarely: Two degrees, never:One degree(To calculate the obstacles to distance education in light of the Corona pandemic, the following equation was used to extract the range for each level::(upper class- Lower class $(/3,any)5-1$ (Divided by(3)equal(33,1),Therefore,:

- from1-2.33(low level).
- from2.34-3.67(Intermediate level).
- from3.68-5(high level).

Research steps:

In the current research, the researcher followed the following steps::

- 1- Identify the research problem by feeling the problem and conducting a survey to confirm and convince us of this problem..
- 2- Developing a tool to measure the obstacles to education due to the Corona pandemic from the perspective of history teachers in Baghdad Governorate.
- 3- Determine the research sample so that it is representative of the community.
- 4- Distributing the research tool to the study sample to answer the questionnaire, then collecting the questionnaires from the research sample..
- 5- The data collected from the research tool were processed statistically in light of the research questions and variables, and correlation and reliability coefficients were extracted to determine the reliability of the tool and its statistical consistency..
- 6- Analyze results and make recommendations and proposals.

Statistical methods used:

Several statistical methods were used in the current research, as follows::

- 1- Arithmetic mean, percentage of mean, and standard deviation.



- 2- T-test to identify the significance of differences between two independent variables.
- 3- One-way analysis of variance to determine the significance of differences between three or more independent variables.
- 4- The Shenweih test was used to identify the significance of the differences between the two groups of males and females. The differences are statistically significant as shown by the F value in Fisher's one-way analysis of variance test..

Study Results and Discussion

The text of the first question is: What are the obstacles facing the implementation of e-learning during the Corona pandemic from the perspective of history teachers in Baghdad Governorate? To answer this question, the arithmetic means and standard deviations were extracted for the obstacles facing the implementation of distance learning during the Corona pandemic from the perspective of primary school teachers.. The following table shows the results..

Table (No.2)

Arithmetic means and standard deviations of the obstacles facing the implementation of distance learning during the Corona pandemic from the perspective of primary school teachers.

Degree of Obstacles	standard deviations	Averages Arithmetic	Paragraph	The number
High	1.18	3.73	Distance learning is stressful as it requires high capabilities..	1
High	1.00	3.54	Poor internet connection leads to poor communication with the teacher..	2
High	1.04	3.49	The teacher's weak ability to use educational technology in teaching.	3
High	1.05	3.46	Distance learning goals are not clear to students.	4



High	1.05	3.44	Lack of financial resources to provide distance learning devices and accessories.	5
High	1.12	3.40	The information provided in the textbook about distance learning needs clarification..	6
Medium	1.06	3.36	Lack of training courses that motivate students and encourage them to learn remotely.	7
Medium	1.08	3.36	Weak role of the learner in the distance learning process.	8
Medium	1.12	3.18	Students' weak ability to cope with the distance learning program.	9
Medium	1.05	3.18	Poor student ability to handle the distance learning program.	10
High	0.74	3.41	Lack of students' knowledge of computer and Internet skills.	11
High	1.18	3.73	Difficulty of assessing students in distance learning.	12
High	1.00	3.54	Low credibility in submitting homework.	13
High	1.04	3.49	Distance learning has created a gap between teachers, students, and schools..	14
High	1.05	3.46	Poor computer planning.	15
High	1.10	3.60	Low quality of available computerized educational materials.	16



High	1.12	3.60	Teachers' lack of proficiency in distance learning skills.	17
Medium	1.00	3.38	Students' reluctance to use computers in education.	18
Medium	1.15	3.33	Lack of equipment and capabilities for all students.	19
Medium	1.08	3.23	Poor student experience in using computers.	20
Medium	1.00	3.22	Lack of adequate computer maintenance services.	21
Medium	1.13	3.19	Weak internet network and poor maintenance.	22
Medium	1.09	3.17	Weak acceptance of the idea of distance education due to poor planning for this process.	23
Medium	1.12	3.04	Lack of financial resources for distance learning at home.	24
Medium	1.00	3.22	Difficulty understanding the educational material explained via distance learning.	25
Medium	1.13	3.19	Many children inside the house during school time.	26
Medium	1.09	3.17	Students' refusal to accept the idea of distance learning.	27
Medium	1.12	3.04	Frequent Internet outages from the source for various reasons.	28
Medium	1.00	3.22	Inability to follow environmental duties.	29



Medium	1.13	3.19	Inability to face problems that Students face challenges during e-learning.	30
High	1.03	3.74	Poor coordination in presenting the material between the teacher and his students.	31
High	1.11	3.71	Questioning the validity of student assessment results.	32

The previous table shows that there are real obstacles facing learners during education in light of the Corona pandemic from the point of view of primary school teachers, as the study sample's assessment of the obstacles was high, as the researcher believes that distance learning requires remote communication skills and computer skills, which are skills that students have not been trained in, which created difficulties in understanding messages and instructions from the first time, and some students are not trained to deal with computers and smartphones..

Table No.(3) Arithmetic means and standard deviations of sample individuals' responses according to study variables

Average variable	Academic qualification	number	Arithmetic	deviation Standard Y
0 .37442	4.2130	3	mal	Sex
0 .48735	3.8279	96	yfe	
0 .65264	3.7485	10	scien	SSpeci
0 .52246	4.0000	89	huma	

It is clear from the previous table that there is a disparity in the arithmetic means and standard deviations of the obstacles facing the implementation of distance learning during the Corona pandemic from the point of view of primary school teachers..The following table shows the differences between the study variables regarding the obstacles to implementing distance learning during the Corona pandemic from the point of view of primary school teachers in Baghdad Governorate.

The gondola shows the number(4(The level of significance of gender variables is not (0.452(And this is the value I announce from you(0.05(Therefore, there are no differences, and this applies to the specialization variable and the academic year



variable..

The researcher attributes this result to the fact that there is complete agreement among students that there are obstacles facing students in distance learning in light of the Corona pandemic, as students are not accustomed to distance learning, as the Corona pandemic imposed distance learning on them suddenly and without prior training, and they tried to communicate with faculty members, and they are also not trained in e-learning, which made the interaction between them and distance learning average and weak in some activities..

Moreover, educational institutions do not have pre-prepared software and computerized lessons to be used by emergency response technicians, which has forced teachers to send students lessons that cover only part of the curriculum, and sometimes our lessons do not include interactive activities, which has made students mere recipients, reading and answering questions; which has caused them to lose interaction with distance education..

In addition, students need sufficient training to choose the appropriate software that ensures interaction with the educational content and access to it at any time they want..

Recommendations:

1. Capitalize on the positive guidance given to students towards distance learning, develop plans and programs to benefit from these guidance, and provide training courses in the field of distance learning for both students and faculty members..
2. Emphasizing the need for educational institutions to pay attention to introducing the e-learning method in school education, and to spread the e-culture among students to achieve the greatest degree of interaction with this type of education, with the need for the school to offer materials that provide the student with the skills and techniques of e-learning in order to facilitate the process of interaction and benefit by students with the educational materials presented electronically.
3. Providing an appropriate educational structure for implementing e-learning in schools and removing all human, material and technical obstacles that prevent its spread in the educational system at various levels and fields..
4. The school should conduct more studies and research to determine the effectiveness of distance education under harsh conditions and hold conferences and seminars to develop and advance education..



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