Wasit University management of the educational process in accordance with the requirements of sustainable development in light of the Corona pandemic (COVID-19)

Saad Naeem Radhawi

College of Education for Human Sciences,Wasit University,Iraq
*corresponding author: saadaliraq6@gmail.com

Abstract. The current working paper aimed to reveal the efforts of Wasit University in its management of the educational process in accordance with the requirements of sustainable development in light of the Corona pandemic ((COVID-19), where the university administration invested during the state of emergency all its energies and capabilities and worked to facilitate the tasks, which achieved the superiority of the university in experiencing the transformation experience. To e-learning during the pandemic period the university worked gradually and comprehensively within the emergency plan that came into existence in cooperation between the Board of Directors, the Deans Council and emergency committees and was implemented in cooperation with various authorities. The university adopts a fixed e-learning methodology that is characterized by flexibility, where the teacher records the lecture in video form, whether using PowerPoint with audio recording or screen recording of lectures every week and holding at least one interactive meeting at the same time as the lecture on the academic schedule so that students can

watch the lectures at the appropriate times For them or the teacher holds all his lectures interactively directly with the students, provided that all lectures are Interactive at the time of the lecture according to the study schedule, and ways were provided to add solutions to raise the level of security for the content available on Zoom and One drive. A guide was provided for using Zoom not only for interactive meetings, but also for recording off-line lectures and making them available to students on the Moodle platform, and other important guides. The team viewer program was also used to gain access to the computers of teachers who find it difficult to deal with issues related to e-learning and explain it step by step directly, and this method was very effective. The university is now working on developing a specific mechanism to prepare for final exams using e-learning, taking into account the process of remote monitoring and answering students' inquiries during exams while maintaining the highest levels of academic standards and enhancing quality in education, thus making Wasit University the pioneer in adopting the electronic exam method. It was also revealed in the working paper about the effectiveness of e-learning in light of the spread of the Corona virus from the point of view of the faculty members at Wasit University, and the researcher conducted a survey and to achieve the objectives of the study, the descriptive analytical approach was relied on, and the study sample consisted of (300) faculty members. At the University of Wasit who taught during the period of the spread of the Corona virus through the e-learning system, the necessary data were collected using a questionnaire whose reliability coefficient reached (0.804) and was applied to the study sample. The results of the study revealed that the study sample's evaluation of the effectiveness of e-learning in light of the spread of the Corona virus from their point of view was average, and their evaluation of the field of e-learning continuity and the field of interaction of faculty members with e-learning, and the field of students' interaction in the use of e-learning was average, and the researcher recommended holding training courses In the field of e-learning for both teachers and students, and help in benefiting from the e-learning system in higher education institutions in the future.

Keyword:

1. Introduction

Wasit University is one of the Iraqi universities that experienced e-learning in light of the Corona crisis, but the e-learning process was not subjected to an evaluation process to measure its effectiveness. teaching in it. E-learning has an important and essential role in the success of the educational process, in light of the great technological development and with the spread of modern means of communication from a computer, the Internet, and multiple media, such as: audio, image, and video, which are means that allowed a large number of people to receive education with ease and ease, and with less Time and effort, but due to the conditions that the whole world is experiencing at the present time represented by the spread of the Coronavirus, educational institutions suddenly found

themselves forced to switch to distance learning to ensure the continuity of the teaching and learning process, and to use the Internet, smart phones and computers in remote communication with students (Yulia ,2020). Wasit University is one of the universities that suddenly found itself forced to switch to e-learning, and to employ means of communication that were not followed before, and its faculty members communicated with students in different ways, and some faculty members questioned the results of electronic tests for lack of availability. Tangible indicators of students' commitment to the instructions of the tests, which creates doubts about the effectiveness of e-learning among university students.

Immediately after the outbreak of the pandemic, and to provide the maximum degree of protection, the university administration decided to cancel or postpone all activities, events and conferences that were scheduled, while many local and international workshops and seminars were implemented through the ZOOM platform, The success of the university in the rapid and smooth transformation of quality e-learning is based on several reasons, the most important of which are: With the onset of the emergency accompanying the Corona pandemic, the Council of Deans was established, and the Council of Deans worked as a beehive and in a permanent session via video conference technology. According to its nature and its need to prepare educational content and train teachers, and in cooperation with the Office of the Assistant President for Information Technology and the E-Learning Unit, Lectures were recorded in the university's studios for the various courses offered. Also, mastering the use of the interactive electronic platform allowed the holding of live virtual lectures. The main driver for the success of this experiment was the rapid response of the university's board of directors to preparing an emergency plan and providing it with all the necessary support and motivation. During the emergency, the university administration invested all its energies and capabilities and worked to facilitate the tasks, which achieved the university's superiority in experiencing the transition to e-learning during the pandemic period. With the various authorities, broad powers have been granted to the deans of faculties and heads of departments to monitor the progress of the educational process and to ensure content and quality of performance. The university has worked on a consistent and flexible e-learning methodology, where the teacher records the lecture in video form, whether using PowerPoint with audio recording or screen recording of lectures every week, and holding at least one interactive meeting at the same time as the lecture on the study schedule so that students can watch the lectures at times Or the teacher holds all his lectures interactively directly with the students, provided that all interactive lectures are on the lecture date according to the academic schedule To support the infrastructure, the university cooperated with Model experts to create the infrastructure for the e-learning platform, and the university rehabilitated computer laboratories to be used for e-learning at the university. And it supported the academic staff through a training contract for faculty members on how to use the Moodle platform. The E-Learning Center attended many videos for the professors, which provided a detailed explanation of the use of Moodle and the methods of recording and uploading videos to the OneDrive cloud provided by the university. And how to use Big Blue Button and Zoom technology to hold interactive meetings with students. The instructional videos also covered methods of adding jobs, evaluating students' answers, and adding marks to the model. And ways were provided to add solutions to raise the level of security for content available on Zoom and One drive. A guide was provided for using Zoom not only for interactive meetings but also for recording off-line lectures and making them available to students on the Moodle platform, and other important guides.

Wasit University has run a program to develop the skills of teachers and researchers from a distance, and the aim of this program was to provide a series of workshops that focus on developing the basic skills of academics and researchers at our university. This program was established based on a program offered in a number of universities in the United Kingdom, including Bristol University and Newcastle University, with the addition of a number of workshops, which were determined based on the needs of cadres in our university. It was prepared by the Director of the Department of Scientific Affairs and in cooperation with the Director of the Quality Assurance Department at Wasit University and under the direct supervision of the President of the University and the Assistant President of the University for Scientific Affairs. It was available to cadres and students of our university in addition to other private universities and colleges. The program includes three main themes: • Core skills hub The focus of developing scientific writing and publishing skills The focus of developing teaching methods and e-learning Twenty-one workshops were held within this dialogue, which were presented electronically through the Free Conference Call.

2. Study questions

The study seeks to answer the following question: What is the effectiveness of e-learning in light of the spread of the Corona virus from the point of view of teachers at Wasit University? From this main question, the following sub-questions emerge:

1. What is the level of continuity of the e-learning process at Wasit University?

2. What is the level of interaction of faculty members with e-learning at Wasit University?

3. What is the level of students' interaction with e-learning at Wasit University from the point of view of faculty members?

3. The importance of studying

The importance of this study can be summarized as follows: Theoretical importance: The theoretical literature contained in this study can add new knowledge to researchers, and may provide the Arabic library with a new theoretical framework on e-learning in light of emergency situations. Practical importance: The results of this study benefit Wasit University and higher education institutions in improving the performance of the e-learning system, developing human cadres, material capabilities, and trends in selecting the educational patterns used and setting future plans for e-learning as an alternative to face-to-face learning. The study tool can also be used to measure the effectiveness of the study. The e-learning system in universities, and the research derives its importance because it is contemporary with a realistic phenomenon, which is the spread of the Coronavirus, and the results of this study can be used in similar phenomena such as wars and crises.

4. Procedural terms of the study

E-Learning: An interactive system linked to the educational learning process. This system relies on the existence of a digital electronic environment that presents the student with courses and activities through electronic networks and smart devices. (Berg, Simonson, 2018) The researcher defines it as the planned and purposeful process in which students of Palestine Technical University "Kadoorie" interact with faculty members to achieve specific goals and outputs through the use of interactive educational software, electronic networks and smart devices to ensure physical distancing during the period of the spread of the

Coronavirus. • Coronavirus (Covid-19): It is a family of viruses that may cause illness in animals and humans, and cause in humans respiratory diseases ranging in severity from the common cold to more severe diseases such as Middle East Respiratory Syndrome and Severe Acute Respiratory Syndrome (SARS), It is characterized by a rapid spread (WHO, 2019). • Effectiveness: working to achieve the highest levels of achievement and to achieve the best results at the lowest costs. Al-Kilani, (2005 .) The researcher defined the level of achieving educational outcomes during interaction between students of Palestine Technical University "Kadoorie" with faculty members using interactive educational software, electronic networks and smart devices compared to the time required for face-to-face learning.

Study Approach: This study relied in its procedures on the descriptive analytical approach, which depends on collecting data from the study sample of faculty members using the questionnaire prepared for the purposes of this study, and studying and analyzing the responses of faculty members.

*Sample members***:** This study was applied to a sample of (300) faculty members at Wasit University, from various disciplines and from all branches of Wasit University.

*Study tool:*To achieve the objectives of this study, the researcher built a questionnaire consisting of (40) items, and it was directed to teachers working at Wasit University who practiced e-learning during the crisis of the spread of the Coronavirus, and the questionnaire was developed by looking at studies that dealt with e-learning as a study (Yulia, 2020). And the study of (Basilaia, Kvavadze, 2020), and it reformulated, and formulated some paragraphs in the light of the theoretical literature formed by it about distance learning, and the questionnaire in its final form consisted of (40) items corresponding to a five-fold scale (strongly agree = 5, agree = 4, neutral =3, I do not agree =2, I strongly disagree =1) The questionnaire was presented in its initial form to (13) arbitrators with experience and competence in the field of scientific research and teaching in both An-Najah National University and the Arab American University, with the aim of arbitrating the paragraphs of the questionnaire, and knowing the extent The clarity of its paragraphs and its comprehensiveness for all aspects of e-learning in light of the spread of the Corona virus from the point of view of the faculty members at Wasit University, as well as the appropriateness of drafting the paragraphs, and expressing an opinion on the method of correcting the questionnaire. By modifying the resolution in the light of the arbitrators' opinions. The Cronbach's Alpha test was used to test the stability of the resolution, and the average resolution of the resolution was (0.804), and the values of the reliability coefficients for the resolution axes ranged between (0.895) and (0.731).

5. Results

The results were presented and analyzed in the light of the study questions sequence as follows: To analyze this questionnaire, the arithmetic means and standard deviations of its four domains were calculated, and the results were as follows:

Table 1. Arithmetic averages and standard deviations of the domains of the e-learning

	questionnaire		
The field	Arithmetic mean	standard deviation	Degree
Continuity of e-learning in light of the spread of Corona	2.55	0.90	medium
Students' interaction with e-learning in light of e-learning	2.47	0.82	medium
Teachers' interaction with e-learning in light of the Corona crisis	2.43	0.67	medium
The effectiveness of e-learning in light of the spread of the Coronavirus from the point of view of teachers	2.45	0.57	medium

Table (1) shows that the arithmetic average of the effectiveness of e-learning in light of the spread of the Corona virus from the point of view of faculty members at a university is at a medium degree, and that the field of "e-learning continuity in light of the spread of Corona" is at a medium degree, followed by the field of "student interaction with e-learning." At a medium level as well, while the field of "teachers' interaction with e-learning in light of the Corona crisis" came to a medium degree.

6. Recommendations

1. Investing in the positive directives for students and faculty members towards e-learning, developing plans and programs to benefit from these directives, and giving training courses in the field of e-learning to both students and faculty members.

2. Training and encouraging teachers to communicate with students through electronic pages and e-mail, given that many students have Internet service at home.

3. Emphasis on the need for the university to pay attention to the introduction of the electronic education method in university education, and to spread electronic culture among students to achieve the greatest degree of interaction with this type of education.

References

1. Affouneh S, Salha S, Khlaif ZN. (2020) *Designing Quality E-Learning Environments for Emergency Remote Teaching in Coronavirus Crisis*. Interdiscip J Virtual Learn Med Sci.11(2):1-3

2. Basilaia, G., &Kvavadze, D. (2020*). Transition to Online Education in Schools during a SARS-CoV-2 Coronavirus (COVID-19) Pandemic in Georgia*. Pedagogical Research, 5(4), em0060. https://doi.org/10.29333/pr/7937 Retrieved, 27/5/2020.

3. Koumi, J (2006). *Designing Educational Video and Multimedia for Open and Distance Learning*. Routledge, England

4. Yulia, H. (2020). *Online Learning to Prevent the Spread of Pandemic Corona Virus in Indonesia*. ETERNAL (English Teaching Journal).