Attitudes of Graduate Students in the Faculty of Educational Sciences at Al al-Bayt University Towards using the E-learning Platform Moodle in light of the Corona pandemic

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Abstract:

This study aimed to identify the attitudes of graduate Students at the faculty of educational sciences at Al al-Bayt University towards using the e-learning platform Moodle in light of the Corona pandemic in Jordan, to achieve the objectives, the researcher designed an E-electronic questionnaire consisting of (20) items. The validity and reliability of which were confirmed. Distributed to the study sample, which consisted of (304) male and female students at the Faculty of Educational Sciences at the researched university. The study adopted the descriptive survey methodology. The results of the study showed that the degree of attitudes of graduate Students in the faculty of educational sciences at Al al-Bayt University towards using the e-learning platform Moodle in light of the Corona pandemic from Their point of view was high, With an arithmetic mean (3.74) and a standard deviation (0.86), and there were no statistically significant differences at the significance level ($\alpha = 0.05$) in the estimates of the study sample members due to the variables (Gender, Department, Path), and in light of the results of the study, the researcher presented a set of recommendations. The most important of which are riving more attention to the application of the E-learning Platform Moodle, in Jordanian universities.

Keywords: The Attitudes, Graduate Students, Al al-Bayt University, E-learning Platform Moodle.

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اتجاهات طلبة الدراسات العليا في كلية العلوم التربوية في جامعة آل البيت نحو استخدام منصة التعليم الإلكتروني مودل في ظل جائحة كورونا

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ملخص:

هدفت هذه الدراسة التعّرف إلى اتجاهات طلبة الدراسات العليا في كلية العلوم التربوية في جامعة آل البيت نحو استخدام منصة التعليم الإلكتروني مودل في ظل جائحة كورونا في الأردن، ولتحقيق أهداف قام الباحث بتصميم استبانة إلكترونية مكونة من (20) فقرة، تم التأكد من صدقها وثباتها. وزعت على أفراد عينة الدراسة والتي تكونت من (304) طلاب وطالبات بكلية العلوم التربوية بالجامعة المبحوثة، وتبنت الدراسة المنهج الوصفي المسحي، أظهرت نتائج الدراسة أن درجة اتجاهات طلبة الدراسات العليا في كلية العلوم التربوية في جامعة آل البيت نحو استخدام منصة التعليم الإلكتروني مودل في ظل جائحة كورونا من وجهة نظرهم جاءت بدرجة مرتفعة؛ بمتوسط حسابي (3.74)، وانحراف معياري (0.86)، وعدم وجود فروق ذات دلالة إحصائية عند مستوى الدلالة ($\alpha=0.05$) في تقديرات أفراد عينة الدراسة تعزى لمتغيرات (الجنس، القسم، المسار)، وفي ضوء نتائج الدراسة قدم الباحث مجموعة من التوصيات ومن أهمها الاهتمام بشكل أوسع بتطبيق منصة التعليم الإلكتروني مودل في الجامعات الأردنية.

الكلمات المفتاحية: الاتجاهات، طلبة الدراسات العليا، جامعة آل البيت، منصة التعليم الإلكتروني مودل.

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Introduction

In the present era, the world is witnessing rapid changes due to the disease (Covid-19), which forced societies to strive to keep pace with changes in all fields, and work to develop their various systems, perhaps the most important of which is the educational system in universities, as the development of the educational system has become a modern necessity, not a choice in light of the Corona pandemic, contemporary educational trends confirm the need for a university education system that achieves quality and excellence in education, so it was necessary to constantly reconsider and develop university education methods in light of the Corona pandemic, where the conditions of quality and effectiveness that are commensurate with the requirements of continuous development are achieved.

The E-learning plays an active role in enriching the educational process with many tools that will improve the reality of education in Jordanian universities. Accordingly, the educational platforms that manage the E-learning process have varied significantly. Among these platforms is the E-learning platform Moodle; The E-learning platform is a Moodle of modern technology innovations, which has unique advantages, and will contribute to the development and improvement of education, especially in light of the Corona pandemic (Ben Aishi & Taqraat, 2020).

The e-learning management system Moodle aims to manage e-courses; it includes a list of the courses registered by the students, and a list of their names in each course. It introduces a new strategy in student learning, and provides learners with opportunities to be more motivated and involved in the learning process. In addition, it allows the implementation of educational activities in real time, such as chat rooms (Tawalbeh, 2018).

It allows communication with other participants and contributing to the creation of educational content. Teachers also use it to administer tests, monitor grades, check Students progress on assignments, track learner performance and issue reports; Thus, the E-learning Platform Moodle seeks to provide a set of tools that support a curriculum based on inquiry, exploration and collaborative interaction via the Internet (Omari, 2020).

Despite the advantages provided by the E-learning platform Moodle, there are some challenges that limit its use in education, including the fact that preparing e-courses and following up on Students learning through them requires a great deal of time. There is also a weakness in the skills of faculty members and students in dealing with the system and its applications, and it requires a high level of self-discipline, and an adequately

equipped infrastructure (Husseiniya, 2020).

The attitudes play a major role in an individual's life as a motivator and guide for his behavior, especially in the field of learning and education. Obtaining knowledge is not enough for the individual, but the use of knowledge and building a trend towards it is the most important. Hence, university students should be aware of the importance of trends in E-learning. That the attitude of students affects their academic learning, and that the attitude towards the method affects the desire of students, so students must appreciate the fundamental importance of attitudes (Al-Awawda, 2020).

However, the E-learning platform Moodle still needs a continuous process of measurement and evaluation by conducting exploratory studies on trends towards its use.

Statement of the Problem:

In light of the rapid changes taking place in the university education sector in Jordan in light of the Corona pandemic, the interruption of the educational learning process and the shift to distance education due to the Corona pandemic, and the closure of universities to prevent the spread of the Corona virus among students and faculty members, the researcher noted through as a faculty member in the Faculty of Educational Sciences, Department of Curriculum and Instruction, that there was a weakness in education due to not all students entering the education platforms, including the E-learning Platform Moodle, as it is an electronic educational platform integrated with technology to help the education process due to the Corona virus pandemic, and hence the problem of the study was to identify the trends of the attitudes of graduate Students at the faculty of educational sciences at Al al-Bayt University towards usage the E-learning platform Moodle in light of the Corona pandemic.

Questions of the Study:

1. What are the attitudes of graduate students at the faculty of educational sciences at Al al-Bayt University towards Using the e-learning platform Moodle in light of the Corona pandemic from their point of view?".

2. Are there any statistically significant differences at the significance level ($\alpha = 0.05$) in the attitudes of graduate students at the faculty of educational sciences at Al al-Bayt university towards Using the e-learning platform Moodle in light of the Corona pandemic from their point of view due to the variables (Gender, Department, Path)?".

The objective of the study:
1. A statement of the attitudes of graduate students at the faculty of educational sciences at Al al-Bayt University towards Using the e-learning platform Moodle in light of the Corona pandemic from their point of view.
2. A statement on whether there are statistically significant differences in the estimates of graduate students in the Faculty of Educational Sciences at Al al-Bayt University towards Using the E-learning Platform Moodle in light of the Corona pandemic from their point of view due to the variables (Gender, Department, Path).

The importance of the study:
1. This study may contribute to revitalizing graduate students at the faculty of educational sciences at Al al-Bayt University towards using the e-learning platform Moodle, in their learning under the Corona pandemic.
2. It is hoped that the results of this study will benefit officials in Jordanian universities in the activities of learning bridges towards the use of the e-learning platform Moodle in light of the Corona pandemic in teaching and learning.
3. It is one of the first studies conducted in Jordan, which aimed to attitudes of graduate students at the faculty of educational sciences at Al al-Bayt University towards the usage of the E-learning Platform Moodle in light of the Corona pandemic from their point of view.
4. This study presents recommendations based on its results in order to enhance and activate the E-learning Platform Moodle.

Conceptual operational definitions of terms:
− **Attitude**: "It is an acquired response from the individual towards a subject, and the response may be positive or negative, depending on the individual's previous experiences"(Badr, 2019: 61).

    The researcher defines it operational: as the responses of Attitudes of graduate students at the faculty of educational sciences at Al al-Bayt University towards Using the E-learning Platform Moodle in light of the Corona pandemic from their point of view, Positively or Negatively, and this is measured by the mean grades that graduate students will obtain at the faculty of educational sciences at Al al-Bayt University. Through their answers to the trend scale that was prepared for the current study.

− **Moodle E-learning Platform**: It is "a platform that allows universities to conduct examination for students electronically, and teachers can give grades electronically and quickly immediately after students submit

electronic exams. Moodle also allows sharing lectures, information and databases for universities and sharing everything related to exams procedures and student affairs electronically. For students to easily access it"(Al-Mowadhiya, 2020: 16).

The researcher defines it operationally: as an E-learning Platform that aims to continue education at Al al-Bayt University in light of the Corona pandemic.

− **Corona pandemic:** The researcher defined it as an ongoing global pandemic of Corona Virus Disease (Covid-19), caused by the Corona virus associated with severe acute respiratory syndrome, and it is still spreading until now.

Delimitations of the study:

− **Objective limits**: The study was limited to the subject of Attitudes of Graduate Students at the faculty of educational sciences at Al al-Bayt University towards the use of the e-learning platform Moodle in light of the Corona pandemic.

− **Human limits**: This study was applied to graduate students at the Faculty of Educational Sciences at Al al-Bayt University in Mafraq Governorate in Jordan.

− **Time limits**: This study was limited to its application to the second semester of the academic year 2020/2021.

− **Limitations**: The generalization of the current results is united in light of the validity and reliability of the study tool, the accuracy and objectivity of the responses of the study sample members to the study tool items.

Literature Review:

The following are some of the previous studies that dealt with the subject.

Al-Ghamdi (2019) study aimed to identify the effectiveness of the MOODLE system in the educational achievement of the computer material for secondary students. The researcher used some strategies for the MOODLE system to achieve this goal: forum, chat rooms, electronic duties, and e-mail based on the MOODLE system. The second unit of computer material was chosen for the second grade secondary natural sciences, Microsoft PowerPoint) to apply the search on them. One of the semi-experimental approaches was used to design a single group with pre-and posttest to determine the effect of the independent variable (MOODLE) on the dependent variable (computer achievement of secondary students). The study population consisted of the second grade secondary students in natural

sciences in Balgharshi province in Al-Baha region. The sample of the study population was 32 students from Bani Salem secondary school. The study tools consisted of an achievement test to measure the cognitive part and a note card to measure the skill side. To investigate the study hypotheses, the following statistical methods were used: The mean and standard deviations of the experimental group scores in the tribal and remote applications, the t-test to compare the scores of the experimental group in the tribal and post-test applications, the cognitive skill note, the e-communication skills questionnaire, the consistency coefficient of truth, the Cronbach Alpha -and the mid-term reliability factor. The most important results of the study were statistically significant differences between the average scores of the experimental group students in the total score of the cognitive achievement test in the tribal and the remote, in favor of the post application, and the existence of statistically significant differences between the mean scores of the experimental group students in the total score of the skill performance note card in the tribal application and the remote in favor of the post-application.

Mujahid (2020) conducted a study aimed at identifying knowledge of e-learning in the time of Corona in all countries that suspended studies in schools and universities to preserve the safety of citizens, due to the rapid spread of the "Corona" or "Covid 19" pandemic, which it disrupted life and paralyzed all movements, and headed Countries to continue the educational process remotely through electronic educational platforms, and after some educational institutions viewed e-learning as aids for education, and that it is just a luxury, today it has become an urgent necessity, and the current paper deals with the reality of e-learning in Egyptian educational institutions at the time of the Corona pandemic crisis, which It tells us the need to develop the infrastructure and technology of educational institutions and the importance of developing, rehabilitating and developing the professional and technological capabilities of teachers, and educating parents about the importance of providing alternative education at home and methods of providing support to their children. The paper also reviewed a number of Arab and foreign studies that confirmed that e-learning helps improve the educational level of students. and achieves the desired learning outcomes by building an interactive learning environment using e-learning tools The Edmodo platform represents the virtual classes on the blackboard website, the Jusoor program that encourages self-learning, helps exchange experiences and ideas among learners and is keen on developing creative

and future thinking among students. The experiences of some foreign countries in e-learning and ways to benefit from them in Egyptian education were reviewed.

Al-Mowadhiya (2020) conducted a study aimed at revealing the attitudes of faculty members in Jordanian universities towards the application of blended education, and the difficulties they face in that. The study relied on the descriptive methodology, and to achieve the objectives of the study, a questionnaire was developed for the purpose of collecting data from the study sample members (130) a member of the teaching staff in the Jordanian public universities in Jordan, and the results of the study showed the following: The general trend was high; which is an indication that the attitudes of faculty members towards blended learning are positive and high, as the general mean of this trend was (3.70) with a standard deviation of (0.54). The results also indicated that there were difficulties facing the use of techniques in blended learning, where the general arithmetic mean of this trend was (3.72), with a standard deviation of (0.52).

Sulaiman (2020) conducted a study aimed at effective use of online instructional practices is of vital importance in classrooms, the study aimed to examine the effects of using Moodle applications to develop instructors' skills in designing electronic tests at Dhofar University. The sample of this study consisted of (25) instructors participated in the experimental group. The researchers implemented a quasi-experimental design with one group pre- and post-test; in addition, an observation card was implemented to measure the target skills related to test design. The research instruments were subjected to validity and reliability measures to ensure valid and reliable data and results. The study results showed that those instructors who participated in the experimental group were improved in designing electronic test using the Moodle platform.

Al-Zahrani (2020) carried out a study aimed at identifying the attitudes of the faculty members at Umm Al-Qura University towards employing the electronic learning tools "Blackboard" in the educational process. The study sample consisted of (90) members of the Umm Al-Qura University faculty. Positive attitudes among the faculty members at Umm Al-Qura University towards employing e-learning tools "Blackboard" in the educational process. The study sample showed their desire to use the "Blackboard" E-learning tools as a strategic option and not just an alternative in the educational process. There were differences in attitudes toward employing e-learning tools "Blackboard" in the educational process among faculty members in the variables (type, specialization, degree).

Al-Hajri (2020) conducted a study aimed at revealing the reality of distance educational platforms under Corona Pandemic, and the researcher adopted the Future Gate as a Moodle as well as to identify the obstacles facing beneficiaries, and to provide proposals that contribute to improve the level of performance. The study was applied on not a random sample of (200) among the officials and coordinators of the portal in the education of boys and girls, and also applied on a group of male and female students in (16) educational departments. The researcher adopted the descriptive methodolgy, and used the questionnaire as a tool for the study.

Ramadan (2020) conducted a study aimed at extent of the use and adoption of the E-learning platform of the University of Kasdi Merbah and Ouargla in light of the efforts aimed at developing and improving university education, and considering that the educational process is a communicative process with all its elements. This study is at the heart of the specialization of new communication technologies, and in it we have answered the main question of the following study, "What is the extent of the use and adoption of the E-learning platform and its services provided by the Kasdi Merbah University of Ouargla for both professors and students?" To answer it, we relied on the analytical descriptive methodolgy that suits the nature of the study, and we chose both the questionnaire and the interview as tools for data collection, and the study questionnaire was distributed to a quota sample that consisted of two categories: the students category, consisting of 357 students, and the professors category, consisting of 105 professors.

Al-Ghohare (2020) conducted a study aimed at measure the awareness of faculty members at Prince Sattam bin Abdulaziz University of the use of the e-learning platform in light of the outbreak of the COVID 19 virus and their attitudes towards inquiry-based learning. The researcher used the descriptive approach, semi-experimental, and statistical demographic variables to suit her for the purposes of the study. The study sample consisted of (100) members of the teaching staff of Prince Sattam bin Abdulaziz University, who were chosen in a stratified random manner. The researcher calculated the stability coefficient of the internal consistency of the questionnaire with its four dimensions and calculated the coefficient of internal consistency of the other questionnaire in its three dimensions. The researcher also used the statistical demographic variables prepared by the Deanship of Information Technology at Prince Sattam bin Abdulaziz University during the period of suspension of the study. The most important results of the study were as follows: The degree of awareness of faculty

members at Prince Sattam bin Abdulaziz University on the e-learning platform "BlackBoard" on the overall questionnaire was high, with an average score of (3,41) and the attitudes of the faculty members at Prince Sattam University in the Kingdom of Saudi Arabia towards inquiry-based learning environment were high, with a mean (3.65), because the survey strategy is an educational process that allows students to use survey skills and support self-learning skills that are t satisfy curiosity, organize knowledge and generate ideas. The recommendations of the study: Searching for obstacles and setting appropriate solutions for them to achieve goals and quality in the educational process via the Internet (Blackboard), and Developing the skills of faculty members and students alike via the Internet (Blackboard). &Emphasizing the professional development of a faculty member via the Internet (BlackBoard). Finally Encouraging online inquiry-based learning environment (Blackboard).

Zine Al-Dine (2020) carried out a study aimed at identify the attitudes of special education teachers towards employing technology in teaching people with special needs in light of the corona pandemic. The study sample included (120) teachers in the primary stage in special education in Alexandria City, Arab Republic of Egypt. The researcher adopted the descriptive analytical approach as the research method. The researcher used the scale of the attitudes of special education teachers towards employing technology in teaching people with special needs as the research tool. The researcher concluded that the attitudes of special education teachers towards employing technology to teach people with special needs in light of the Corona pandemic reached a high degree, with an arithmetic mean of (3.69) and a standard deviation of (559).

Al-Zahrani (2021) conducted a study aimed at identifying the impact of using E-education under the Corona pandemic (COVID-19) on the development of some concepts of digital citizenship (digital communication) among students at the Faculty of Education, kindergartens Department, Um Al-Qura University, the descriptive curriculum was used. The tool consisted of a resolution distributed to a sample of (345) students from the Faculty of Education, the kindergarten department, and the researcher reached several results, the most prominent of which were: Employing digital communication technologies such as social networks to support student activities has received an average (4.15 out of 5) i.e. (large) good thinking of what is being sent and written through digital communication technologies on average of my account (3.88). And a degree (large) while keeping students safe on the network Spider and do not talk to

others at average (2.20) and score (low) The timing and location of the use of certain digital communication technologies have been determined Average (1.88) any degree (A few), The results also showed that there were no statistically significant differences between the average sample population in the responses by variable (level).

Thus, this study It is distinguished from previous studies in dealing with the Attitudes of Graduate Students at the Faculty of Educational Sciences at Al al-Bayt University Towards Using the E-learning Platform Moodle in light of the Corona pandemic, as well as by preparing a scale to measure the Attitudes of Graduate Students at the Faculty of Educational Sciences at Al al-Bayt University Towards Using the E-learning Platform Moodle in light of the Corona pandemic that previous studies did not Literature Review.

Method and Procedures

Study Approach:

The descriptive survey method was used due to its relevance to the nature and objectives of the study.

Study population and sample:

The study population and its sample consisted of all the teachers of graduate students in the College of Educational Sciences at Al al-Bayt University, who are at the top of their studies during the application of the study during the academic year 2020/2021, and their number reached (312) students, according to the statistics of the College of Educational Sciences at the University of Al-Bayt. Where the researcher sent (312) electronic questionnaires to postgraduate students in the College of Educational Sciences, from which (308) were recovered and found (304) questionnaires valid for analysis, which were approved as a sample for the study. Table (1) shows the study sample members according to the study variables (gender, department, and path).

Table 1: The Participants of the study

Variable	Variable Levels	Number	Percentage
Gender	Male	145	47.7%
	Female	159	52.3%
Department	Curriculum and Instruction	187	61.5%
	Educational and Administration Foundation	177	38.5%
Path	Master Thesis	112	36.8%
	Mass Test	192	63.2%
Total		304	100%

Instrument of the Study:

To achieve the objectives of the study, the researcher prepared an electronic questionnaire, due to the epidemiological situation (the Corona pandemic), after reviewing previous studies such as the study (Al-Ghamdi, 2019; Mujahid, 2020; Al-Mowadhiya, 2020; Al-Ghohare, 2020). The study tool consisted of a two-part questionnaire, the first part of which dealt with demographic information related to the study sample members: gender (Male, Female), Department (Curriculum and Instruction, Educational and Administration Foundation), and Path (Master Thesis, Mass Test). As for the second part, it dealt with the attitudes of graduate students at the College of Educational Sciences at Al al-Bayt University towards using the e-learning platform Moodle in light of the Corona pandemic, from their point of view, and included (20) paragraphs.

In order to respond to the tool items, a five-point scale was adopted, which is represented in the following: the degree of approval is very high and gives weight (5), the degree of approval is high and gives weight (4), the degree of approval is medium and gives weight (3), the degree of approval is low and gives weight (2), The degree of agreement is very low and gives weight (1). The arithmetic averages of the tool domains and the total score were judged based on the highest score on the scale being 5, the lowest being 1, and by subtracting the highest score from the lowest score equal to 4, and then dividing the difference between the two terms on 3 levels. Thus, the weights become as follows: (1-2.33 Low), (2.34-3.67 Medium), and (3.68-5 High).

Validity of the study instrument:

To verify the validity of the content of the tool, it was presented in its initial form to a group of experts and specialists in the field of (Curriculum and Instruction), at Al al-Bayt University, Yarmouk University, Jerash National University and the University of Jordan. Its relevance to the subject, clarity of meaning, and linguistic formulation, and the observations unanimously agreed upon by more than (88%) of the arbitrators were taken, as it was limited to modifying the language for four paragraphs, one paragraph was deleted, and one paragraph was added.

Reliability of the study instrument:

The reliability coefficient was extracted using the Cronbach Alpha method. It was extracted for internal consistency in its final form, and for each paragraph. The questionnaire was distributed to a survey sample from outside the sample, numbering (20) male and female students. The

reliability coefficients of the study instrument were high, which are high reliability coefficients to achieve the study objectives, with the value of Cronbach Alpha (0.88).

Study procedures:

To achieve the objectives of the study, the researcher took the following actions:

1. Reviewing the content of the e-learning platform Moodle, and the theoretical literature related to the subject of the study.
2. Preparing the study tool, which is a questionnaire with the aim of identifying the trends of graduate students at the College of Educational Sciences at Al al-Bayt University towards using the E-learning platform Moodle in light of the Corona pandemic from their point of view.
3. The researcher created an electronic questionnaire on google doc, distributed the questionnaires and sent them to the study sample members.
4. The researcher downloaded the questionnaire data into a computer, and then analyzed it statistically using the SPSS statistical package for social sciences.
5. The researcher interpreted the results in the light of the theoretical literature, previous studies and the researcher's experience as well.
6. The researcher made the appropriate recommendations and suggestions based on the results of the study reached by the researcher.

Study Variables:

The study included the following Demographic variables:

- **Gender**, and has two categories (male, female).
- **Department**, has two levels (Curriculum and Instruction, Educational and Administration Foundation).
- **Path**, and it has two levels (Master Thesis, Mass Test).

Statistical treatment:

- **First Question**, the arithmetic averages and standard deviations were calculated to measure the attitudes of graduate students at the College of Educational Sciences at Al al-Bayt University towards using the e-learning platform Moodle in light of the Corona pandemic from their point of view.
- **Second Question**, was used a three-way analysis.

Results of the Study and Discussion:

The Results Related to the First Question: "What are the Attitudes of

Graduate Students at the Faculty of Educational Sciences at Al al-Bayt University Towards Using the E-learning Platform Moodle in light of the Corona pandemic from their point of view?".

In order to answer this question, the arithmetic averages, standard deviations, and ranks were calculated for the paragraphs of the Students at the Faculty of Educational Sciences at Al al-Bayt University attitudes of the Towards Using the E-learning Platform Moodle in light of the Corona pandemic from their point of view, as in Table (2).

Table (2): Rank Order, Means and Standard Deviations of Students attitudes of the Towards Using the E-learning Platform Moodle in light of the Corona pandemic

Rank	Number	Item	Mean	Std. Deviation	Degree Attitude
1	3	I feel that using the E-learning platform Moodle facilitates the learning process.	3.99	0.86	High
2	10	I feel that my interaction with teachers increases when I use the Moodle E-learning platform.	3.98	0.89	High
3	14	The use of the E-learning platform Moodle provides better results than traditional learning.	3.96	0.85	High
4	7	The use of the E-learning platform Moodle will gradually replace traditional education in light of the Corona pandemic	3.93	0.88	High
5	5	The use of the E-learning platform Moodle intrigued me	3.91	0.85	High
6	11	The use of the E-learning platform Moodle contributes to better communication of information	3.89	0.87	High
7	15	The E-learning platform provides the Moodle for physical distancing in light of the Corona pandemic	3.88	0.84	High
8	18	The E-learning platform, Moodle, develops a method of research and investigation	3.87	0.82	High
9	1	The Moodle E-learning platform helps improve academic achievement	3.85	0.83	High
10	19	The Moodle E-learning platform stimulates various educational activities.	3.82	0.86	High
11	9	The use of the E-learning platform, Moodle, helps to better browse the	3.80	0.91	High

Rank	Number	Item	Mean	Std. Deviation	Degree Attitude
		study materials			
12	6	The E-learning platform, Moodle, develops a problem-solving approach	3.79	0.94	High
13	16	The E-learning platform, Moodle, develops higher-order thinking skills	3.77	0.90	High
14	2	The E-learning platform Moodle includes a variety of educational activities	3.74	0.92	High
15	17	The E-learning platform, Moodle, simplifies scientific concepts and terms	3.72	0.81	High
16	20	The use of the E-learning platform Moodle helps to organize the study materials	3.69	0.85	High
17	12	The Moodle E-learning platform helps solve educational problems	3.67	0.83	Medium
18	4	The E-learning platform Moodle requires employing technologies that are difficult to provide	3.63	0.81	Medium
19	13	The E-learning platform Moodle will add a new load	3.61	0.80	Medium
20	8	Using traditional teaching strategies gives better results than using the Moodle E-learning platform	2.29	0.93	Low
		Total Mean	**3.74**	**0.86**	**High**

The result from Table (2) shows that the arithmetic mean of the attitudes of graduate students at the College of Educational Sciences at Al al-Bayt University towards using the e-learning platform MOODLE in light of the Corona pandemic was (3.74), with a standard deviation (0.86), and with a degree of approval (High), and the degree of The greatest agreement with paragraph (3), which states that "I feel that using the E-learning platform Moodle facilitates the learning process" with a mean of (3.99), a standard deviation of (0.86) and a degree of approval (High), followed by paragraph (10) which states that "I feel that my interaction with teachers increases when I use the Moodle E-learning platform", with a mean of (3.98) and a standard deviation (0.89) and a degree of agreement (High), and it came to the penultimate rank of paragraph (13) which states, "The E-learning platform Moodle will add a new load" with a mean of (3.61) and with a deviation Standard (0.80) with a degree of agreement (Medium), and he came last in paragraph (8) which states "Using traditional teaching strategies gives better results than using the Moodle E-learning platform" with a mean of (2.29) and a standard deviation (0.93) and a degree of

agreement (Low).

The researcher attributes this result to the fact that graduate students at the Faculty of Educational Sciences at Al al-Bayt University, towards using the F-learning platform Moodle, realize the importance of the e-learning platform Moodle in light of the Corona pandemic, and the importance of diversification in modern activities that take into account the requirements of rapid changes due to (Covid-19) disease. And their positive attitude towards the e-learning platform Moodle indicates their desire to get to know the Moodle e-learning platform and know the mechanisms of its use, because of its repercussions on the educational process. This result may also be attributed to the positive impact and effectiveness of the E-learning platform Moodle in teaching on students and teachers, as well as its role in giving students the opportunity to view the educational material in advance according to their abilities and individual differences between them, and this result does not agree with all studies. The previous study, because the current study was unique in the attitudes of graduate students at the Faculty of Educational Sciences at Al al-Bayt University towards using the E-learning platform Moodle, which was not addressed by any of the previous studies.

The Results Related to the Second Question: "Are there statistically significant differences at the significance level ($\alpha = 0.05$) in the attitudes of graduate students at the Faculty of Educational Sciences at Al al-Bayt University Towards using the E-learning Platform Moodle in light of the Corona pandemic from their point of view due to the variables (Gender, Department, Path)?".

In order to answer this question, the arithmetic means and standard deviations of the estimates of the study sample members were calculated for the attitudes of graduate students at the Faculty of Educational Sciences at Al al-Bayt University Towards Using the E-learning Platform Moodle in light of the Corona pandemic from their point of view due to the variables (Gender, Department, Path), As in Table (3).

Table (3) Descriptive statistics of variables (Gender, Department, Path)

Variable	levels variable	statistical	Degree of Attitude towards E-learning Platform Moodle
gender	male	Mean	3.33
		Std. Deviation	0.86
	female	Mean	3.31
		Std. Deviation	0.84
Department	Curriculum and Instruction,	Mean	3.32
		Std. Deviation	0.89

Variable	levels variable	statistical	Degree of Attitude towards E-learning Platform Moodle
Path	Educational and Administration Foundation	Mean	3.35
		Std. Deviation	0.86
	Master Thesis	Mean	3.33
		Std. Deviation	0.81
	Mass Test	Mean	3.30
		Std. Deviation	0.83

It is noted from Table (3) that there are apparent differences between the arithmetic averages of the attitudes of graduate students at the Faculty of Educational Sciences at Al al-Bayt University Towards Using the E-learning Platform Moodle in light of the Corona pandemic from their point of view, depending on the different levels of the study variables, and with the aim of verifying the essentiality of these differences, a triple variance analysis was conducted of the attitudes of graduate students at the Faculty of Educational Sciences at Al al-Bayt University Towards Using the E-learning Platform Moodle in light of the Corona pandemic from their point of view due to the variables(Gender, Department, Path), as in Table (4).

Table (4) Triple analysis results of the variables (Gender, Department, Path)

Dependent variable	Sum of Squares	DF	Mean Square	F	Sig
Gender	.1560	1	.0720	.5620	.2680
Department	.1280	1	.0640	.6590	.5670
Path	.1620	1	.0810	0.658	.3610
Std. Error	150.652	301			
Total Mean	201.368	304			

It is clear from the results of Table (4) that there are no statistically significant differences at the significance level ($\alpha = 0.05$) between the arithmetic averages of the attitudes of graduate students at the Faculty of Educational Sciences at Al al-Bayt University Towards Using the E-learning Platform Moodle in light of the Corona pandemic from their point of view due to the variables (Gender, Department, Path).

This result is due to the fact that the attitudes of graduate students at the Faculty of Educational Sciences at Al al-Bayt University Towards Using the E-learning Platform Moodle in light of the Corona pandemic from their point of view due to the variables (Gender, Department, Path), so they are keen to Using a E-learning Platform Moodle to benefit from the effectiveness of learning, which led to the convergence of their attitudes and estimates towards a to Using a E-learning Platform Moodle. This result does not agree with all previous studies, because the current study is unique in

the attitudes of graduate students at the Faculty of Educational Sciences at Al al-Bayt University towards Using the E-learning Platform Moodle in light of the Corona pandemic and their variables.

Recommendation:

In light of the results of the research study:

1. 1-Giving more attention to the application of the E-learning Platform Moodle, in all Jordanian universities.
2. Strengthening the positive attitude towards the E-learning Platform Moodle among Students at the Faculty of Educational Sciences at Al al-Bayt University.
3. Conducting other studies and research on the same subject on different samples of students in other universities in Jordan.
4. Conducting other follow-up studies to find out the obstacles of the E-learning Platform Moodle in light of the Corona pandemic.

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