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## The peak of e-learning using the (Moodle) platform among students of the college of physical education and sport sciences at the University of Misan (An analytical study according to the variable of gender and stage)

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### Abstract

Educational institutions turned to a number of educational platforms in the emergence of the Corona pandemic, and these educational electronic platforms were the only way to continue the process of teaching and learning, because the presence education has become difficult to achieve after the emergence of new strains of the Corona virus. The University of Maysan has a platform for its faculties, the model platform. The idea of the research came from here in studying the effectiveness of this platform in teaching students of the Faculty of Physical Education and Sports Sciences according to the gender variable. The researchers identified students of the theoretical sciences branch to answer the electronic form that was prepared in advance and consisted in its final form of (11) paragraphs. Distributing it electronically to the research sample according to gender and stage, and after receiving the answers and treating them statistically, the researchers concluded that the fourth stage is the best in dealing with the platform, followed by the first stage, then the third, and then the second. As for gender, the answers of the students did not differ from the students, as there was no significant difference. The researchers recommended that education should be used Even after the end of the pandemic and the return of attendance education.

**Keywords:** The peak, e-learning, Moodle, gender and stage

### 1. Introduction

After the mutation that occurred in the virus (COVED19) and became more fierce in the number of infections, as the situation returned to the closure in Iraq in all state institutions, including educational institutions, after the hope that existed after the drop in infection rates and before the transformation that occurred in the virus, learning in universities in general and the college of physical education in particular was education Integrated according to the instructions of the Ministry of Higher Education and Scientific Research, it is for students to attend practical lectures only while taking all health precautions. As for theoretical subjects, the student studies electronically. The educational process has returned to square one and to the previous situation, which is conducting all educational operations through e-learning, so the University chose Maysan in all its faculties, learning through the Model program (MOODLEAs) a supporter and enhancer of the educational process, due to the many advantages that this system achieves, as it allows placing electronic educational content on this educational platform supported by text, image and video and creating interaction and communication between the teacher and the student through virtual lectures, discussion seminars and achievement exams. From this point of view, the importance of this research came in identifying the effectiveness of e-learning through the (MOODLE) Among the students of the Faculty of Physical Education and Sports Sciences at the University of Maysan, the fact that learning in the college is characterized by the presence of the practical side in it in addition to the theoretical side and in light of the foregoing lies the importance of our research.

### 1.1 Research problem

There is no longer a choice for the student and the teacher, after the outbreak of the transformed (Corona) virus, but to teach through educational platforms,

including the (MOODLE), which became the basis for students of the Faculty of Physical Education and Sports Sciences at the University of Maysan to receive their lectures on them, and since teaching in the faculties of physical education has two parts, the first is the theoretical side and the second is the practical side, so the research problem was represented through the following questions:

1. Can the Moodle platform meet all the requirements of the educational process, especially in practical subjects?
2. Is it a successful alternative to the rest of the educational platforms after the cyberspace has become full of educational platforms and programs?
3. What is the quality level of education that teachers provide and that students receive on this platform?

### 1.2 Induction goals

1. Recognizing the effectiveness of e-learning using the (Model) platform among students of the College of Physical Education and Sports Sciences.
2. Identify the quality of learning provided to the student through this platform.
3. Introducing the student to the advantages of learning via the (Moodle) platform.
4. Identify the differences between male and female students.

### 1.3 Research areas

1. The human domain: students of the College of Physical Education and Sports Sciences - University of Maysan for the academic year 2020/2021.
2. Temporal area: from 02.25.2021 till // 2021.
3. Spatial domain: the model program, which is the field of research.

### 1.4 Define terms

(MoodleIt is a learning management system and is considered a tool to support e-learning. It is an open source program that is used in more than 235 countries. The courses that use Moodle to manage the educational process amount to 7 and a half million courses, and the number of users is between (72) million users.

## 2. Methodology

### 2.1 Research Methodology

The nature of the problem is what forces the research to use the appropriate method to solve that problem. Therefore, the researcher used the descriptive approach to suit the nature of

the problem, where he defines the descriptive approach as "a method of studying phenomena or scientific problems by doing the description in a scientific way, and then arriving at logical explanations that have evidence and proofs that give the researcher the ability to develop specific frameworks for the problem, and this is used in Define search results.

### 2.2 Research community and sample

Where determining the research community purposively They are students of the Faculty of Physical Education and Sports Science at the University of Maysan's (489) for the academic year 2020-2021, either the sample "is the model being the researcher 's overall focus of his work on them, and in psychology, education and sociology, for example, learned sports sample be She is the human being" (Wajia, 1988) [3].

The researchers chose one of the college's branches, which is the branch of theoretical sciences, which numbered (246) for the four stages (first, second, third, fourth), with (139) male and (107) female students, and thus the sample sample constituted a percentage of (50.30) from the original community.

### 2.3 Used devices, tools and means of collecting information

- An electronic form to survey the opinions of experts in the paragraphs of the electronic questionnaire.
- type laptop computer Lenovo)
- World Wide Web.
- Scientific sources.
- Statistical means.
- Social networking site (Telegram).
- Note.

### 2.4 Identifying the most important paragraphs of the electronic questionnaire

The researchers prepared an electronic questionnaire on the search engine (Google drive) to include the most important paragraphs that have an important and influential role in the e-learning of the Model program.

After the researchers prepared that form, it was presented to a group of experts and specialists if their number reached (12) experts and specialists as in Table No. (1) and after receiving the answers as in Table No. (2), the researchers reached the most important paragraphs and in the final form as in the table as In Table No. (3).

**Table 1:** Shows the paragraphs of the form in its initial form

NS	Vertebrae	Fit	Write off
1	Its interface is characterized by an interactive image that is fun and not boring and motivates us to learn	11	1
2	It makes it easier for me to quickly access the study materials easily and without technical problems	10	2
3	It presents information in an understandable and smooth manner that helps us understand and interact	9	3
4	It helps me strengthen my relationship with the professor	5	7
5	Teaching via the platform makes me bored sitting at home	10	2
6	It does justice to me in recording attendance and absence	8	4
7	It helps me quickly complete the reports and assignments requested by the professor	11	1
8	Teaching via the platform makes me mentally stressed	6	6
9	I can control the settings easily from the phone or from the calculator without complication	10	2
10	Education on the platform is financially costly by the need to provide internet service and an advanced telephone device	6	6
11	It allows me privacy with the professor when I give my opinion at any time without fear or hesitation	11	1
12	The education in it simulates real education in the classroom and I do not feel the difference	7	5
13	The exam does not achieve justice because some students resort to cheating.	10	2
14	It allows us the flexibility to view the lectures in Word, PDF and PowerPoint formats	11	1

15th	I can return to the lectures at any time as they are archived electronically	12	zero
16	It provides me with a university atmosphere, as the schedule of lectures is at the same times as my attendance	7	5
17	I learn well because teaching is supported by audio and video	9	3
18	My parents do not accept the idea of education on the platform because I am always busy on the phone.	10	2

**Table 2:** Shows the paragraphs of the form after being presented to the experts

NS	Vertebrae	Fit	Write off	Ka value <sup>2</sup> calculated	Indication level	Purification	
						Yes	both
1	Its interface is characterized by an interactive image that is fun and not boring and motivates us to learn	11	1	8.33	0.00	√	
2	It makes it easier for me to quickly access the study materials easily and without technical problems	10	2	5.33	0.02	√	
3	It presents information in an understandable and smooth manner that helps us understand and interact	9	3	3.00	0.08		√
4	It helps me strengthen my relationship with the professor	5	7	0.33	0.56		√
5	Teaching via the platform makes me bored sitting at home	10	2	5.33	0.02	√	
6	It does justice to me in recording attendance and absence	8	4	1.33	0.24		√
7	It helps me quickly complete the reports and assignments requested by the professor	11	1	8.33	0.00	√	
8	Teaching via the platform makes me mentally stressed	10	2	5.33	0.02	√	
9	I can control the settings easily from the phone or from the calculator without complication	10	2	5.33	0.02	√	
10	Education on the platform is financially costly by the need to provide internet service and an advanced telephone device	6	6	0.00	1.00		√
11	It allows me privacy with the professor when I give my opinion at any time without fear or hesitation	11	1	8.33	0.00	√	
12	The education in it simulates real education in the classroom and I do not feel the difference	7	5	0.33	0.56		√
13	The exam does not achieve justice because some students resort to cheating.	10	2	5.33	0.02	√	
14	It allows us the flexibility to view the lectures in Word, PDF and PowerPoint formats	11	1	8.33	0.00	√	
15th	I can return to the lectures at any time as they are archived electronically	12	zero	12	0.00	√	
16	It provides me with a university atmosphere, as the schedule of lectures is at the same times as my attendance	7	5	0.33	0.56		√
17	I learn well because teaching is supported by audio and video	9	3	3.00	0.08		√
18	My parents do not accept the idea of education on the platform because I am always busy on the phone.	10	2	5.33	0.02	√	

**Table 3:** Between the paragraphs of the questionnaire in its final form

NS	Vertebrae	fit	write off	ka value 2 calculated	Indication level	Purification	
						Yes	both
1	Its interface is characterized by an interactive image that is fun and not boring and motivates us to learn	11	1		0.00	√	
2	It makes it easier for me to quickly access the study materials easily and without technical problems	10	2	8.33	0.02	√	
3	Teaching via the platform makes me bored sitting at home	10	2	5.33	0.02	√	
4	It helps me quickly complete the reports and assignments requested by the professor	11	1	5.33	0.00	√	
5	Teaching via the platform makes me mentally stressed	10	2	8.33	0.02	√	
6	I can control the settings easily from the phone or from the calculator without complication	10	2	5.33	0.02	√	
7	It allows me privacy with the professor when I give my opinion at any time without fear or hesitation	11	1	5.33	0.00	√	
8	The exam does not achieve justice because some students resort to cheating.	10	2	5.33	0.02	√	
9	It allows us the flexibility to view the lectures in Word, PDF and PowerPoint formats	11	1	8.33	0.00	√	
10	I can return to the lectures at any time as they are archived electronically	12	zero	12	0.00	√	
11	My parents do not accept the idea of education on the platform because I am always busy on the phone.	10	2	5.33	0.02	√	

**2.5 The exploratory experience**

The researchers conducted an exploratory experiment on (10/3/2021) in order to see the mechanism of answering the electronic form by the research sample and the absence of any technical problems in receiving the answers.

**2.6 The main experience**

The main experiment was conducted by the researchers on

the research sample electronically due to the health ban, by sending the form electronically to the telegram groups for the students of the theoretical sciences branch approved by the theoretical sciences branch, where the researchers notified the students before sending the link to the form and agreeing on a specific time with the explanation to the students that they be accurate in answering and read the paragraphs carefully before testing any of the paragraphs

and that their answer is honest and frank, and that no paragraph is left without an answer, and that there is no right or wrong answer, all answers are necessary and acceptable and are used only for research purposes Scientific, and only the researcher sees the answers. Then I sent it to them by leaving the link in the Telecam channel on 3/14/2021.

**Table 4:** It shows the values of the arithmetic means, standard deviations, the calculated (t) value and the level of significance of the electronic questionnaire and for the four stages (students - female students)

Variables	the students		female students		Calculated (t) values	Indication level	Indication type
	s	p	s	p			
The first stage	25,435	3.438	25,348	3.580	0.117	0.907	insignificant
The second phase	24.160	3.986	23.80	3.774	0.328	0.744	insignificant
third level	24,761	4.311	24.107	2.960	0.630	0.532	insignificant
The fourth stage	25,642	1.905	25.95	3.154	0.336	0.739	insignificant

**Table 5:** It shows the arithmetic means and standard deviations of the electronic resolution for the four stages

Stages	Arithmetic mean	Standard deviation	Less value	Highest value
The first stage	25.400	3.477	15.00	33.00
The second phase	23,980	3.846	13.00	31.00
third level	24,387	3.575	15.00	33.00
The fourth stage	25,837	2.723	22.00	33.00

By looking at the presentation of the results in Table (1), it was found that the arithmetic means obtained by the first stage students are (25,435), which is an approach to the arithmetic means for the female students and in the same stage, where their value was (25,348), and this indicates that the students of the first stage had equal answers about the paragraphs of the questionnaire And there was no difference for them in education in the Model program according to the gender variable, and here the researchers attribute these reasons that are equal to the answers to the fact that all (male and female students) have the same educational capabilities that they enjoy and have the same skills in dealing with the e-learning platform Model. These educational abilities did not differ from the rest of the other stages (second, third and fourth), where all their arithmetic circles were to some extent similar, which indicates that the research sample did not distinguish one group over another in terms of gender, but the students' answers were close to the answers of female students in all stages. When comparing the stages, we find, as shown in Table (2), that the fourth stage obtained the highest percentage of answers with an arithmetic mean (25,837). Here the researchers attribute this to the fact that the fourth stage has trained on electronic programs and educational platforms and gained a good experience since The beginning of the pandemic until the time of preparing this research. It was followed by the answers in the first stage, where I got a mean of (25,400) and this indicates that the first stage also has good experiences in dealing with educational platforms, contrary to what was expected that students of the first stage suffer from problems in E-learning, including education via the Moodle platform. Here, the researchers attribute this matter to the fact that e-learning has rehearsed the students' coming to the university stage, by transforming education in various preparatory stages into e-learning also when the Corona pandemic intensified, which gave them significant experience in dealing with educational platforms and they did not face any Technical problems when they reached the university stage. As for the third stage, it was in the third sequence and preceded the second stage, where I got the

## 2.7 Statistical means

The researchers used the statistical bag (Spss) for data processing in addition to the application Microsoft Excel To download, tab, and classify data.

## 3. Results

mean of my calculation (24,387), while the second stage came in the fourth and last rank, and here the researchers attribute this thing to the fact that the third stage is more experienced than The second stage, being older in terms of age, and having practiced physical and electronic education and blended learning, these reasons gave them a slight preference over the second stage in education via the Moodle platform.

## 4. Conclusions

1. Learning through the Model platform was fruitful for students of the College of Physical Education for them and for all stages.
2. The first stage of her education was distinguished through the platform, and she did not face any problems or obstacles, as was expected.
3. Learning via the electronic platform model was effective for both genders, males and females, and one gender was not distinguished by a significant difference.

## 5. Recommendations

1. E-learning in general, and via the Moodle platform in particular, has made encouraging steps in advancing the learning process and filling gaps, despite some obstacles.
2. It is possible to use educational platforms other than the model in the education process for students of the Faculty of Physical Education and Sports Sciences.
3. The necessity of continuing e-learning even after the end of the pandemic and the return of in-person education, as it shortens a lot of effort and time for the student and teacher.

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