The Reality of the Use of E-learning platforms in the Algerian Educational System: A Survey Study of a Sample of Primary School Learners in 2023

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Abstract:

This paper aims to identify the reality of the use of e-learning platforms in Algeria for the primary school level, through a sample of learners. To achieve the objectives of the study, the researcher conducted scientific interviews that served the questions and objectives of the study, answered by a sample of 100 learners.

The researcher used the descriptive analytical approach to answer the study questions, where she concluded that there is a lack of use of e-learning platforms by learners due to the lack of the available platforms to meet their educational needs.

Keywords : Use, e-learning platforms, Primary School Learners.

Introduction:

E-learning has gained great importance in recent years due to its characteristics that make it the most suitable alternative, such as the ability to access educational content from anywhere in the world, the ability to self-learn, and the ability to interact with teachers and other students.

The use of e-learning platforms is becoming increasingly widespread around the world. These platforms offer a few potential benefits for learners, including: Flexibility and convenience, Access to a wide range of resources, Opportunities for individualized learning.

In Algeria, the Ministry of Education has been working to promote the use of e-learning platforms. In 2020, the ministry launched the Madrasati platform, which provides educational resources and activities for primary school learners.

However, the use of e-learning platforms in the Algerian educational system is still at a relatively low level. This study aims to identify the reality of the use of these platforms, from the point of view of a sample of primary school learners in 2023**.**

the main problem can be raised:

What is the extent of the use of primary school learners of e-learning platforms in Algeria?

Hypotheses of the study:

Hypothesis 1: Primary school learners do not find it difficult to use some of the features of e-learning platforms.

Hypothesis 2: Primary school learners use e-learning platforms in the exam period, but not primarily.

Hypothesis 3: E-learning platforms have a positive impact on the academic achievement of primary school learners.

Objectives of the study:

Through our study, we aim to identify:

-The extent of learners' use of e-learning platforms in Algeria, and to identify the factors that affect this use.

-Identify the motivations for using e-learning platforms by middle school learners in Algeria.

-Identify the most important periods in which middle school learners use e-learning platforms.

Study terms:

Concept of e-learning platforms:

E-learning platforms are defined as "an e-learning system based on the principle of blended learning, which is a principle based on integrating between learning in a class with the teacher and learning through the Internet. The teacher or trainer can use it to facilitate the learning process that he is doing in the class in a better way by using the educational technologies available in the platform." (Magda Ibrahim Al-Baawi, 2019, p. 142)

Use:

Use is the process or activity of taking advantage of something to achieve a specific goal or purpose. Use can be intentional or unintentional, and it can be individual or collective.

Learner:
A dynamic concept that is constantly evolving with the development of educational theories and teaching methods. In general, a learner can be defined as a person who participates in the learning process, whether it is in a formal framework such as school or in an informal framework such as everyday life.
"The learner is at the heart of the educational process, and it is the basis for its success. Therefore, education should focus on the learner, their needs, and their abilities." (Al-Zaid, 2022, p. 21)

Previous Studies :
1- Study conducted by the Algerian Ministry of National Education in 2023:
The study aimed to monitor the reality of the use of e-learning platforms in Algeria among learners. The study found that the percentage of use of e-learning platforms by learners in Algeria is 25%, and that the most important reasons that motivate learners to use these platforms are the ease of access to educational content, the variety of educational content, and the low cost. (Abdulrazzak Al-Zaabi, 2022)

2- Study conducted by researchersin 2019:
This study aims to to explore the potential of e-learning for children in Algerian schools. The study found that there is a need to develop e-learning in Algerian educational institutions. (Kheir Eddine Ben Kharour, 2019)

3- Study conducted by researcher from the University of Constantine 2 in 2017:
This study aimsto investigate the effectiveness of using educational technology in teaching science to third-year secondary school students in the experimental sciences division. identify the challenges facing the use of e-learning platforms in Algeria. The study found that the study found that using educational technology in teaching science to third-year secondary school students in the experimental sciences division had positive results in terms of understanding and academic achievement compared to traditional teaching methods that rely on explanation using the chalkboard. (Aoura, 2017)

The lack of studies on the use of e-learning platforms by educational stakeholders in the Algerian educational context is an obstacle to understanding the reality of the use of these platforms and their impact on the educational process. This also hinders efforts to develop these platforms and promote their use. These studies can help identify the challenges facing the use of these platforms and propose appropriate solutions to address them.

Methodological framework
Sample
The present data used in this article are part of a larger research project that uses a blend method that combines a mixed quantitative qualitative data from a study with semi structed interviews with 100 learners from the state of Tipaza from a sample of learners in the primary education stage in Algeria. to obtain information and facts that would help answer the main question and sub-questions. They chose a semi structed interview that included general themes about the reality of using e-learning platforms in the Algerian educational system. The interviews were distributed as follows:

Axis 1: Information about the uses of e-learning platforms.
Axis 2: E-learning platforms in Algeria.
Axis 3: Suggestions.

Participants
Since our study is centered around the reality of the use of e-learning platforms by learners, our sample consisted of learners, with a sample size of 100 learners, and this was done randomly.

Data Collection
Thesemi –structrured interviews conducted the first trioof 2023/2024 school year at school written. The participants were asked to talk about the uses of e-learning platforms .

Results:
-The sample consists of 100 learners, of whom 48 are male and 52 are female, meaning that the percentage of females in the sample is 53.33%, which is higher than the percentage of males at 46.66%.
-All learners in the sample own the Internet at home, meaning that the percentage of Internet ownership is 100%.
Shows the areas of use of the Internet : according to the interview's answers the most learners use the Internet for study with 70%, while a smaller number of learners use the Internet for playing with 30%.
Knowledge of e-learning platforms: according to the interview's answers the most learners in Algeria have a good understanding of e-learning platforms. This is likely due to the increasing popularity of e-learning platforms in recent years, as well as the increasing ease of use of these platforms.

The fact that 68.33% of learners have some idea about e-learning platforms suggests that e-learning is becoming more mainstream in Algeria. This is a positive development, as e-learning can offer a number of benefits for learners, such as flexibility, convenience, and access to a wide range of educational resources.

The fact that 31.66% of learners have little or no idea about e-learning platforms suggests that there is still some room for improvement in terms of awareness of e-learning. Governments and educational institutions in Algeria could take steps to raise awareness of e-learning, such as organizing awareness campaigns and providing educational materials about the benefits of e-learning.

Reasons for using e-learning platforms: according to the interview's answers the most learners in Algeria use e-learning platforms for personal interest. This suggests that learners are aware of the benefits of e-learning and are motivated to use it.

The fact that 30% of learners use e-learning platforms for personal interest suggests that e-learning is becoming more popular in Algeria. This is a positive development, as e-learning can offer a number of benefits for learners, such as flexibility, convenience, and access to a wide range of educational resources.

The fact that 21.66% of learners use e-learning platforms because of a teacher or administrator recommendation suggests that there is still some room for improvement in terms of awareness of e-learning among teachers and administrators. Governments and educational institutions in Algeria could take steps to raise awareness of e-learning among teachers and administrators, such as organizing awareness campaigns and providing educational materials about the benefits of e-learning.

Ease of use of e-learning platforms : according to the interview's answers the most learners find e-learning platforms to be easy to use. This suggests that e-learning platforms are becoming more user-friendly.

The fact that 45% of learners find e-learning platforms to be easy to use suggests that e-learning is becoming more accessible to learners. This is a positive development, as it can help to increase the number of learners who use e-learning.

The fact that 13.33% of learners find e-learning platforms to be difficult to use suggests that there is still some room for improvement in terms of the user-friendliness of e-learning platforms. Governments and educational institutions in Algeria could take steps to improve the user-friendliness of e-learning platforms, such as providing user-friendly tutorials and support.

Average usage time of e-learning platforms: according to the interview's answers the average usage time of e-learning platforms is 2 hours. This suggests that learners are using e-learning platforms for a significant amount of time.

The fact that 25% of learners use e-learning platforms for 1 hour or less suggests that some learners are using e-learning platforms for a relatively short amount of time. This could be due to a number of factors, such as the learner's schedule, the learner's learning style, or the content of the e-learning platform.

The fact that 13.33% of learners use e-learning platforms for 3 hours or more suggests that some learners are using e-learning platforms for a relatively long amount of time. This could be due to a number of factors, such as the learner's motivation, the learner's learning style, or the content of the e-learning platform.

Time of use of e-learning platforms : according to the interview's answers the time of use of e-learning platforms varies depending on the purpose of use. The most common times of use are in the morning and evening. This suggests that learners are using e-learning platforms at times that are convenient for them.

The fact that 41.66% of users use e-learning platforms at various times suggests that some learners are using e-learning platforms at times that are not necessarily convenient for them. This could be due to a number of factors, such as the learner's schedule, the learner's learning style, or the content of the e-learning platform.

Preferred place of use of e-learning platforms: according to the interview's answers the preferred place of use of e-learning platforms is home. This is likely due to a number of factors, such as:

Availability of electronic devices at home: This makes it easier for learners to access e-learning platforms.

Comfort and privacy: Learners may feel more comfortable and private when using e-learning platforms at home.

Availability of time: Learners may have more time to learn at home than at school or work.

Preferred means of use of e-learning platforms : according to the interview's answers the preferred means of use of e-learning platforms is a smartphone. This is likely due to a number of factors, such as:

Portability: Smartphones are easy to carry around and use anywhere.

Convenience: Smartphones are easy to use and offer a variety of features.

Availability: Smartphones are widely available and affordable.

Preferred periods of use of e-learning platforms: according to the interview's answers the e-learning platforms are used at different times depending on the purpose of use. The most common periods of use are

during the exam period and during the regular study period. This suggests that learners are using e-learning platforms to prepare for exams and to learn new material.

The fact that 40% of users use e-learning platforms at all times suggests that some learners are using e-learning platforms for a variety of purposes. This could include learning new material, practicing for exams, or simply staying up-to-date on current events.

Motivations for using e-learning platforms: according to the interview's answers the most common motivations for using e-learning platforms are to facilitate communication with teachers and to download lessons. This suggests that learners are using e-learning platforms to get help from their teachers and to learn new material.

The fact that 50% of users are motivated to facilitate communication with teachers suggests that they find this to be an important benefit of e-learning platforms. This could be due to a number of factors, such as the convenience of being able to communicate with teachers from anywhere, the ability to

Satisfaction with the content of e-learning platforms currently available: according to the interview's answers 68.33% of users are satisfied with the content of e-learning platforms currently available. This suggests that most users find the content to be relevant, accurate, and up-to-date.

The fact that 31.66% of users are not satisfied with the content suggests that some users may find the content to be lacking in some way. This could be due to a number of factors, such as the content being outdated, inaccurate, or not relevant to the user's needs.

Benefits of using e-learning platforms: according to the interview's answers the most common benefits of using e-learning platforms are to follow lessons and to understand lessons. This suggests that users are using e-learning platforms to learn new material and to improve their understanding of the material they are learning.

The fact that 16.66% of users find that e-learning platforms are beneficial for evaluating learning outcomes suggests that users are using e-learning platforms to track their progress and to identify areas where they need additional help.

The fact that 13.33% of users find that e-learning platforms are beneficial for reviewing for exams suggests that users are using e-learning platforms to prepare for exams and to assess their knowledge of the material that will be covered on the exams.

Education in the context of using e-learning platforms: according to the interview's answers 33.33% of users believe that education in the context of using e-learning platforms is effective and can replace traditional education. This suggests that users believe that e-learning platforms can provide a quality educational experience that is comparable to traditional education.

The fact that 10% of users believe that education in the context of using e-learning platforms is important because it deals with rigid programs suggests that users believe that e-learning platforms can be a valuable tool for learning new material, especially material that is difficult to learn in a traditional classroom setting.

The fact that 35% of users believe that education in the context of using e-learning platforms helps to understand the educational material to some extent suggests that users believe that e-learning platforms can be a valuable tool for improving understanding of the material being learned.

The fact that 15% of users believe that education in the context of using e-learning platforms improves the academic achievement of learners suggests that users believe that e-learning platforms can help learners to achieve their academic goals.

The fact that 6.66% of users believe that education in the context of using e-learning platforms has no effect on understanding the educational material suggests that users believe that e-learning platforms may not be effective for everyone.

Reliance on e-learning platforms in the educational process: according to the interview's answers 71.66% of users rely on e-learning platforms in the educational process. This suggests that e-learning platforms are becoming an increasingly important part of the educational process for many learners.

The fact that 28.33% of users do not rely on e-learning platforms suggests that there are still some learners who are not using these platforms. This could be due to a number of factors, such as:

Lack of awareness of e-learning platforms

Lack of access to e-learning platforms

Lack of confidence in e-learning platforms

Governments and educational institutions can help to address these challenges by raising awareness of e-learning platforms, making them more accessible, and providing support to learners who are using them.

Availability of educational material: according to the interview's answers 50% of users believe that e-learning platforms provide sufficient coverage of their educational needs. This suggests that most users are satisfied with the range of educational material available on these platforms.

The fact that 48.33% of users believe that e-learning platforms do not provide sufficient coverage suggests that there are still some users who feel that the range of material is not comprehensive enough. This could be due to a number of factors, such as:

The platforms may not offer material on all subjects

The platforms may not offer material at all levels

The platforms may not offer material that is relevant to the user's needs

E-learning platform providers can address these concerns by expanding the range of material available on their platforms.

Awareness of e-learning platforms in Algeria: according to the interview's answers 61.66% of users are aware of e-learning platforms in Algeria. This suggests that there is a growing awareness of e-learning platforms in Algeria.

The fact that 38.33% of users are not aware of e-learning platforms suggests that there are still some users who are not aware of these platforms. This could be due to a number of factors, such as:

Lack of access to information about e-learning platforms

Lack of interest in e-learning platforms

Governments and educational institutions can help to address these challenges by raising awareness of e-learning platforms, making them more accessible, and providing support to learners who are using them.

Educational material available on e-learning platforms in Algeria: according to the interview's answers 48.33% of the educational material available on e-learning platforms in Algeria is in the literature, while 51.66% is in the sciences. This suggests that e-learning platforms in Algeria are providing a good balance of material in both areas.

The literature include subjects such as literature, history, and philosophy. The sciences include subjects such as mathematics, physics, chemistry, biology, and engineering.

The availability of a wide range of educational material on e-learning platforms is important for learners to be able to access the material they need to succeed in their studies.

Discussion and Analysis of Results

Overall, the results of this study suggest that e-learning platforms are becoming increasingly important in Algeria. A large percentage of learners are aware of these platforms, use them, and are satisfied with the content they offer.   E-learning platforms are seen as a valuable tool for facilitating communication with teachers, completing assignments, and understanding the educational material.

Specifically, the results of the study suggest the following:

-E-learning platforms are becoming more widely known in Algeria. This is likely due to a number of factors, including government efforts to promote e-learning, the increasing availability of internet access, and the growing popularity of online education.

-E-learning platforms are being used by a significant number of learners in Algeria. This suggests that these platforms are meeting the needs of learners and are becoming an increasingly important part of the educational process.

-The most common motivations for using e-learning platforms in Algeria are to facilitate communication with teachers, complete assignments, and download lessons. This suggests that learners are using e-learning platforms to support their learning and to connect with their teachers.

-Learners in Algeria are generally satisfied with the content of e-learning platforms. This suggests that these platforms are providing high-quality educational content that meets the needs of learners.

-Learners in Algeria believe that e-learning platforms can help them to understand the educational material to some extent. This suggests that e-learning platforms can be a valuable tool for improving learning outcomes.

-A significant number of learners in Algeria rely on e-learning platforms in the educational process. This suggests that these platforms are becoming an increasingly important part of the educational experience for many learners.

-The majority of learners in Algeria believe that the educational material -available on e-learning platforms is sufficient. However, it is important to note that there is still a minority of learners who believe that the material is not sufficient.

-A majority of learners in Algeria are aware of Algerian e-learning platforms. This suggests that these platforms are becoming more visible and accessible to learners.

-The majority of learners in Algeria believe that the educational material available on Algerian e-learning platforms is balanced between literature and science. This suggests that these platforms are providing a comprehensive range of educational content to meet the needs of learners.

Conclusion:

The results of the study indicate the need to develop e-learning platforms in Algeria to make them more accessible and user-friendly for primary school learners. The study also indicates the need to raise awareness of the benefits of e-learning among parents and teachers.

The study found that e-learning platforms are becoming increasingly popular in Algeria. Most learners in the sample have a good understanding of e-learning platforms, and they use them for a variety of purposes, including following lessons, understanding lessons, completing assignments, downloading lessons, and exchanging opinions and information.

Learners are generally satisfied with the content of e-learning platforms. They believe that e-learning platforms can be effective in helping them learn, and they can replace traditional education. However, some learners believe that e-learning platforms are not effective for everyone, and they may not be able to provide an interactive and personalized learning environment.

Most learners rely on e-learning platforms in their studies. They believe that E-learning platforms provide adequate coverage for their academic needs. However, some learners believe that e-learning platforms do not provide adequate coverage for their needs.

The study also found that most learners are aware of Algerian e-learning platforms. They believe that these platforms provide a variety of academic materials, including both literary and scientific materials.

Recommendations:

Based on the findings of the study, the following recommendations are made:

Governments and educational institutions should continue to promote E-learning platforms. This can be done through awareness campaigns, scholarships, and other initiatives.

E-learning platform providers should continue to improve the content and features of their platforms. This can be done by adding new materials, improving the quality of existing materials, and making the platforms more user-friendly.

Learners should continue to explore the benefits of e-learning. They should experiment with different e-learning platforms and find ones that meet their needs.

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