

## E-learning in the educational system

Samia Ghechir <sup>1\*</sup>, Fatima Abderrahmane<sup>2</sup>

<sup>1</sup> Hassiba Benbouali University of Chlef, Algeria

<sup>2</sup> Hassiba Benbouali University of Chlef, Algeria

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### ABSTRACT:

E-learning in our time is witnessing a huge development in information technologies that works for all educational institutions, public or private, formal or informal. To achieve and implement it in a way that meets the needs of the labor market, it is known that the individual's success in practical life is directly linked to academic life.

This study, entitled "E-learning in the educational system", aims to encourage the individual to participate in learning activities, which increases the desire to follow it, unlike other methods that create an atmosphere of aversion. Through it, the learner acquires the skills of how to learn; Which means lifelong learning and self-development, and on this basis the following problem emerges: What do we mean by e-learning? What is its importance in the educational system?

### Keywords:

e-learning; learning; the educational system; means of communication; educational institutions.

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### Introduction:

At present, attention to education has become a necessity imposed by its effective contribution to the support and success of economic and social development plans aimed at improving the living standards of citizens. The progress and advancement of Nations has become measured by the extent of industrial technological progress in which education in its various branches plays a key role in achieving this. E-learning is one of the educational means that relies on electronic media to make knowledge available to those who spread outside the classroom.

### The concept of e-learning:

It is the use of technology and technological means in education and harnessing them for the student's self-and collective learning and making it the focus of the lecture, starting from the techniques used for presentation within the classroom of multimedia and electronic devices, ending with the departure from the physical components of education: such as smart school and virtual classrooms through which the interaction between the members of the educational process via the internet and interactive video technologies. Based on this definition, e-learning takes place in three different

environments, namely online learning, blended learning and supportive learning.

The transfer of the learning process from the mere indoctrination by the teacher and the storage process by the student to the interactive dialogue process between the two parties is the goal that we aspire to reach to improve the level of Education. E-learning enables the student to take more responsibility in the educational process by exploring, expressing and experimenting, so the roles change as the student becomes a learner instead of a recipient and the teacher is a mentor instead of an expert. (www; www.pssso.org.sa/arabic/pssolibrary/nadwa01/)

What is e-learning:

### What is e-learning:

The field of education in general is one of the most important areas in the life of societies, and through it it is possible to obtain the competencies and skills necessary to sustain the March of various fields and in various aspects of life, hence any use of modern technical means in any field of life must be accompanied by the ability and efficiency to use those means and benefit from them in that field.

Given the many and enormous developments witnessed by the development and

use of modern technical means in various fields of life, it was necessary to think about the need to use and benefit from them in the field of education in general, as the whole world has become like a small village by taking advantage of electronic means of various kinds. Any term used in addition to the term "electronic" or "electronic" refers to the use of electronic means in that field, and on this basis it can be said that the term "electronic" refers to the use of electronic means for the purposes of conducting electronic operations, that is, the term "e-education" refers to the use of electronic means in a system Education, whatever its field.

Many researchers and writers use the terms: education Education and learning Learning as synonymous terms with each other, where some researchers point out that it is remarkable that the most common and accepted term for this new form of education is the term e - learning - learning and not the term e-education-education and the reason for this is that the control or control of the education process itself interns), distance learning Distance Learning or e-Learning e- in essence, learning represents an innovative type of self - service self-service that the user obtains by his own efforts without the help of its provider, except within very narrow limits, in the sense that the user directs himself to this service of his own will and choice, where he selects the service that he believes fulfills his needs, desires and ambitions, and the service provider only has to respond to these needs, desires and ambitions in a way that achieves the satisfaction of the user.

#### **Stages of e-learning:**

- ✓ The pre-1983 stage.
- ✓ The period between 1984 and 1993.
- ✓ The period between 1993 and 2000.
- ✓ The period from 2001 onwards.

At this stage, the second generation of the web (the internet) appeared, as the design of websites became more advanced and easy in the exchange of information by increasing its speed significantly, which made it an information boom that opened the field of e-learning and encouraged many university professors to design e-books

including films, animated drawings and others to help the student to understand ( al-Hadi, 2005, p. 93)

#### **Justifications for the use of e-learning:**

There are several justifications that have made e-learning necessary, including:

- This is due to the huge knowledge explosion and the entry of knowledge into various areas of life and its different aspects and the need to access that knowledge quickly.
- This is due to the increase in the number of learners and the difficulty in providing the necessary buildings and supplies for education according to the traditional method.
- The use of this type of learning is a supportive education for regular education because of the diverse and multiple sources and information it provides.
- The need of understanding regular education to e-learning made this type of learning compensate for what they missed, as they became able to study without permanent restriction and direct enrollment in the educational institution ( **Al-Muhaisen, 2002, p. 2**)

#### **E-learning technologic:**

This era is witnessing continuous developments in the technological means that can be used in the educational process, which fall under three main technologies, namely:

- 1- sound-based technology:** which is divided into two types, the first is interactive, such as audio conferences and shortwave radio, and the second is static audio tools such as audio tapes and video.
- 2- video technology:** the use of video in education is varied and is one of the most important means of direct and indirect interaction, and includes static forms such as slides, animated forms such as films and videos, in addition to the forms produced in real time that are combined with audio conferences via video used in one or two

directions with audio accompaniment ( al-Hadi, 2005, p. 96)

**3- computer and its networks:** it is the most important basic elements in the e-learning process, it is used in the learning process in three forms, namely:

**A-computer-based learning**, which is represented by the interaction between the computer and the learner only

**B-computer-assisted learning** in which the computer is a source of knowledge and a means of learning, such as information retrieval or reviewing questions and answers.

**C- learning with Computer Management**, where the computer works to guide and guide the learner (**Qandil , 2006, p. 94**)

### **The importance of e-learning:**

The question arises: is it worth investing one's time and money in e-learning in the Arab world There are many who are opposed to this, as well as some teachers and academic workers who are skeptical about the value that e-learning contributes to the field of Education.

We need to look at the current state of education and why we need this change, to take a look at the cycle that is repeated across generations, which is represented by the following stages: Teacher-led school education, a university that completes the March and brings generations to society to produce and innovate both in his specialty, but unfortunately, once a student graduates, he turns either into an unemployed person, or into a person who cannot be employed mainly because of his inability to produce and serve society, so we had to shed light on this series and work to fix the walk through it to raise society to the highest level.

There are four pillars that represent the foundations of modern education, as stated by

Jacques Delors in his report on learning issued by UNESCO in 1996, namely:

A-the individual learns how to know, that is, learning to know.

B-that the individual learns how to work, that is, learning to work.

C-the individual learns to live with others, by understanding others and realizing interaction with them.

D-the individual learns to be, from where his personality unfolds better and expand his abilities and self-worth. ( al-Hadi, 2005, p. 120)

In the framework of traditional education, we see that these four foundations cannot be achieved because the student learns superficially, he remembers information and stores it only for tests and cannot distinguish principles from proofs, and he treats school assignments as instructions imposed on him and not exercises he has to do to enhance understanding, this is due to the fact that this style of education is static non-interactive.

Therefore, the importance of using technology and techniques in the educational field is increasing, in addition to many reasons, namely:

- ✓ The low level of education, as educational systems have become unable to keep up with global development.
- ✓ The dispersion of school curricula with multiple sources of knowledge and the speed of information flow.
- ✓ The importance of self-learning and the development of the individual's abilities to think and creativity.
- ✓ Increasing awareness of the working class of society towards the development of their knowledge, experience and knowledge of the New always from changes or global conferences on their field of specialization, to keep pace with the constant development in the age of speed.
- ✓ The desire of people who missed the opportunity of education due to certain

circumstances to enroll in schools and continue education.

- ✓ The large number of students per class due to the lack of schools, in addition to the imbalance in the geographical distribution of educational institutions as a result of focusing on densely populated areas.
- ✓ The need to reduce the cost of Education.

### **Characteristics of e-learning:**

E-learning has unique characteristics from other types of education and below is a presentation of them:

- E-learning provides an interactive environment between the teacher, the learner and the learners and between them with their colleagues through the media and technologies on which it is based.
- E-learning depends on the learner's effort to teach himself(self-learning) and can learn with colleagues in small groups (collaborative learning) and within the classroom in large groups.
- E-learning is characterized by flexibility in space and time, where the learner can get it from anywhere in the world, at any time he wants, 24 hours a day and all days of the week.
- The learner can learn without committing to a specific age, it encourages the learner to continuous learning for life. The learner in this type of education needs the availability of certain technologies such as a computer and its accessories, the internet and local networks.
- Easy updating of educational programs and websites through the world wide web of information.
- The possibility of measuring learning outcomes using various evaluation methods . (esteeta & Sarhan, 2007, p. 285)

### **Objectives of e-learning:**

E-learning aims to achieve many goals at the individual and community level, including:

- ✓ Improve the level of effectiveness of teachers and increase their experience in the preparation of educational materials.
- ✓ Access to information sources and obtain photos, videos and research papers through the internet and use them to explain and clarify the educational process.
- ✓ Providing the educational material in its electronic form to the student and the teacher.
- ✓ The possibility of providing lessons to distinguished professors, as the shortage of distinguished educational cadres makes them the preserve of certain schools and a limited part of students benefit from them. The shortage of academic and training staff in some educational sectors can also be compensated by virtual classes
- ✓ It helps the student to understand and delve more into the lesson, as he can return to the lesson at any time, and it also helps him to do his homework by referring to various sources of information on the internet or to the electronic material provided by the professor to his students, supported by multiple examples. Thus, the student retains the information for a longer period because it has become supported by sound, image and understanding.
- ✓ The introduction of the internet as an essential part of the educational process has a great benefit by raising the scientific cultural level of students, and increasing awareness of the use of time to develop their ability to creativity instead of wasting it on sites that only lead to the degradation of the moral and cultural level

- ✓ Building a network for each school so that parents communicate with teachers and the administration so that they are constantly on the level of their children and school activities.
- ✓ The school communicates with educational and government institutions in an organized and easy way. (Qutayt , 2009, p. 34)

### Conclusion(Times New Roman, bold, 12)

Through the above and through the tribal gains, we can draw the most important conclusions on the following:

- 1.E-learning relies on technology to provide content to the learner and highlight the advantages of this type of education, as it reduces time, effort and costs, and despite this importance of this type of education and the initial results that have proven its success, this type of education suffers from technical and educational obstacles and challenges.
- 2.E-learning is considered one of the most educational methods practiced by an individual in order to achieve intellectual sufficiency.
- 3.E-learning offers a very great potential in giving the opportunity of education to many segments of society.
- 4.Facilitate the educational process and make science accessible to various parties of the educational process.
- 5.Using e-learning to be a tool for educating the community and spreading awareness, as well as the possibility of using it for training purposes and other areas in life.
- 6.The place of e-learning in the growth and development of countries and societies, especially in light of the development of modern technology, especially education technology.

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