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**E-Learning**

## **E-Learning:**

**E-learning is an interactive education system that is provided to the learner using communication and information technologies, and relies on an integrated digital electronic environment that presents courses through electronic networks, provides guidance and direction, organizes tests, as well as manages and evaluates resources and processes.**

**The importance of e-learning lies in solving the problem of the knowledge explosion and the increasing demand for education and expanding admission opportunities in education, in addition to enabling the training and education of workers without leaving their work and contributing to breaking the psychological barriers between the teacher and the learner as well as satisfying the needs and characteristics of the learner while raising the return on investment by reducing the cost education.**

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

The characteristics of e-learning can be summarized in the fact that it presents, through computers and their networks, multimedia digital content (written or spoken texts, sound effects, graphics, still or animated images, video clips) so that these media integrate with each other to achieve specific educational goals. E-learning, as it provides a number of services or tasks related to the process of teaching and learning management. It is of low cost compared to traditional education. It also helps the learner to acquire his own knowledge, thus achieving interaction in the education process (the learner's interaction with the teacher, with the content, with colleagues, with the institution educational, with programs and applications) because it is available, i.e. access to it at any time and from anywhere.

## **Simultaneous E-learning:**

**Synchronous e-Learning, which is education on the air or live broadcast, which requires the presence of learners at the same time in front of computers, to conduct discussion and conversation between the learners themselves, and between them and the teacher, and this discussion takes place through various e-learning tools, namely: Whiteboard – Virtual Classrooms – Conferencing (Video, Audio) – Chat Rooms.**

### **Advantages**

- 1-The learner gets immediate feedback.**
- 2-Cost reduction.**
- 3-Avoid going to the study site.**

### **Disadvantages**

**It needs modern equipment and a good network.**

## **Asynchronous e-learning:**

**Asynchronous e-learning is an indirect education that does not require the presence of learners at the same time, as the learner can obtain study at the appropriate times for him and with the effort he wishes to provide. Uses tools such as e-mail, the Web, mailing lists, discussion groups, FTP and CDs**

### **Advantages**

- 1- The learner gets to study according to the appropriate times for him.**
- 2- Receiving education according to the effort that the learner wishes to make.**
- 3- Being able to re-study the material and refer to it electronically as needed.**

### **Disadvantages**

- 1- The learner does not receive immediate feedback from the teacher.**
- 2- It leads to introversion in education because it isolates it**

### **Conditions for the success of E-learning:**

In order for this type of education to succeed, there are several conditions for that, including defining the educational goals that must be achieved, as well as accepting various answers, ideas and results, and providing knowledge instead of communicating and transferring it, in addition to evaluating the educational task instead of evaluating the level of knowledge.

### **Electronic school:**

It is an electronic room for learning based on the Internet, and it uses computers and communication networks, with the aim of delivering electronic digital information to learners, whether they are inside or outside the school walls.

### **Characteristics of the electronic school:**

The characteristics of an electronic school are represented in the achievement of education (the educational material is a means, not a goal) and it transfers the center of the educational system from the teacher to the

learner with the continuous development of educational programs and curricula, which is one of its goals.

**Online school requirements:**

The electronic school requires:

1–the school calendar, which is a monthly calendar that can be used to set exam dates, meetings, and assignment assignments.

2–bulletin board in which the teacher puts written and addressed messages to students related to the course.

3– personal pages for the teacher and students we find in it Information about both the teacher and the learner.

4– Assignments box where students attach their assignments or perform tests and questionnaires related to the course,

5– the e–mail center from In order to provide the ability to exchange private messages or any attachments with the professor or colleagues.

### **Obstacles to e-learning:**

**The rapid development of international standard standards, which requires many modifications in electronic courses, the lack of sufficient awareness among members of society of this type of education, certificates obtained through e-learning are not recognized by some official authorities, privacy and confidentiality where there is a breach of the contents and exams.**