New Methods for Learning

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Abstract. During the past two decades, advances in communications technology and the development of the World Wide Web, e-learning is a teaching method based technology has created. The development of various aspects of education in the world with new opportunities and challenges faced. The main mission of the University, providing good education to students and other forms of e-learning to create change in their way of teaching, examining various aspects of this change, given the extent of the important aspects of is. This paper deals with descriptive method to create new ways of learning. Thus, by introducing new ideas, e-learning, e-learning features and functions of teacher and an educational system Traditional teaching methods in applied engineering and led the move to modern methods of e-learning E as one of the main challenges facing e-learning methods, are examined.

Keywords: methods, Internet learning environment, e-learning.

1. INTODUCTION

We are moving from community to community-based, information-centric Snt, or in other words, the transition from the physical world to the virtual world.

Enter the information age and the effective life of the community-based Atlaat, requires an understanding of its characteristics. In this age of social institutions that will undergo extensive changes, public institutions and higher education levels.

The transition to the information, the major burden on society and education graduates should be adjusted according to new approaches. Prerequisite for getting into this zone, the rapid development of e-learning and wide, from the lowest to the highest levels of the educational system of the country.

"Cohen" (1970) believes that the promotion of science, development of a paradigm to paradigm is another paradigm can be found in every sphere of thought.

For example, e-learning or e-learning and creates a new paradigm in the field of education and learning opportunities in each area, to any person, at any time and in any place in life, provides. Publication of books and journals, and have created a new paradigm in the industry. Sometimes there were several multi-volume book shelves, a new paradigm come in the form of a compact disc [1].

Constantly changing legal paradigm called "law of return to zero" on their actions. According to this paradigm, when the law changed, all the zero point return and everything starts anew. Persons or organizations succeed in the old paradigm, the paradigm is not

necessarily the same amount will not succeed unless faster than others, with a new paradigm in the field of their own accord.

E-learning, computer-based training, intranet-based training, web-based training, new Paradymhay, and product information are pushing humanity into the side of a great revolution. Transition from industrial society to an information society is necessarily an evolutionary movement, but a structural mutation.

Thus, for the first time possible to jump from location to location retardation advanced countries is provided. In the meantime, the development and application of ICT in education, the most important is the development of virtual learning or e-learning, scientific and cultural mutation is the most important factor.

The expansion of information technology and the depth of penetration of telecommunications equipment, tools and training methods have also been changed. In the not too far distance learning was introduced. It's kind of features and has advantages and disadvantages. The distance education is the only way to communicate was through letters. With the advancement of technology and above all cheaper than the cost of the technology, the use of new tools for knowledge transfer was made.

With the advent of the Internet, this phenomenon is more serious for the tools and methods and standards for e-learning was introduced Every day new reforms in this area. In fact, this is an e-learning tool for the transfer of information in electronic form (eg Internet) to exchange information and knowledge.

2. EDUCATION HISTORY

Convey through all electronic devices such as the Internet, Intranet, audio / video, satellite television and interactive CDs. "With the development of Internet, developments are widespread in various aspects of human social life.

The rise of e-learning philosophy also remove the constraints of time and place of education and training independent of time, place, culture and language. In addition to e-learning instead of trying to surround the area of education, inclusive education, to send home. The rise of e-learning philosophy also remove the constraints of time and place of education and training independent of time, place, culture and language. In addition to e-learning instead of trying to surround the area of education, inclusive education, to send home.

The traditional model of education "at a time", "in one place" and "only a few" has become a new model of "all the time", "everywhere" and "everyone" is. Also discussed issues such as globalization and the growing dispersion of the workforce and companies in different geographical locations, Requires remote management and transfer of the necessary training for staff scattered in different places is important. And it is here that the Internet is the best option for this type of management and training.

In 2001, more than 50 percent of university courses in America to form the Internet in the form of e-mail, web pages, etc. used. It is predicted that this number will double by 2015. Of course, 70% of the market share held by America and Europe, but its development in Asia and developing countries is already impressive, Finland, Norway, Belgium, South Korea leading the development and application of this method are. Development of e-learning in America between 50 to 70 percent reduction in cost.

It seems that educational institutions, especially universities and centers of higher education should reconsider their traditional methods of teaching and And to develop programs to provide training to new methods of electronic learning [2]

3. E-LEARNING

Training letter to a wide range of applications and IT-based teaching methods (such as computers, CD-ROM, network, Internet, Intranet and virtual university) is said to be possible for any person in any field of education and learning, anytime and provides a place for life. E-learning (virtual) a novel approach to education that allows students to learn at any time and at any location provides. In recent years, experience in the field of e-learning, which is formed with the complexities of educational, cultural, legal, regulatory, technical and infrastructure is. Hence, human capacity building, organizational and managerial body of the electronic learning system needs to meet the challenges posed by the lack of definition, Literature and the same rules and the need to revive a common understanding of the roles associated with the use of modern information and communication technologies in education and training design, teaching and curriculum is. Use of information technology in education e-learning system is required standards. In this regard, in view of the importance and urgency of improving the quality of higher education, in order to increase the efficiency of the education system modernization And the use of new tools for e-learning training and equipping, commissioning and use of electronic higher education institutions, A system should be developed on the basis that this is achieved by the Ministry of Science, Research and Technology.

Learning in different ways by the Ministry of Science, Research and Technology has developed the following brief description about them will suffice:

Education e-learning practices

-Method -Pzhvhshy:

Training course content consists of courses and dissertation.

-Method

Training courses that students take courses without having to spend a graduate thesis.

-Research methods

The research focused on the achievements of the period (the new technology, new ideas and theory, technical knowledge, patents, ...) is limited and consists of taking courses and commitment to the thesis [3]

4.NECESSITY, IMPORTANCE AND PURPOSE OF E-LEARNING

Growing needs of education, lack of access to educational, economic limitations, lack of qualified teachers, and the high costs spent on education, the experts said that with the help of information technology, new methods are developed for training in economic and quality, and also it can be used simultaneously Throngs of students to be trained.

Today the concept of literacy, it "can read and write" no. To quote, "Alvin Toffler" in the twenty-first century, illiterates are not those who can not read or write, but those who can not learn, and training. The rapid developments in information and communication technology in

recent years, with a world epidemic and the need for retraining and learning new words Bysvady- casts.

One of the world's computer users an international certification in the field of training. Traditional methods of teaching, no longer meet the huge demand for education. Literacy mail instead of conventional literacy, as a strategy for transition to an information society is discussed, with the difference that instead of implementing the illiterate population, is among the literate classes. It is natural that the state educational system, its implementation will be the first place.

"Gary Becker" Nobel Prize-winning human capital Mygvydk·h 70 percent of the country's capital. He proved that the investment in the country, is very lucrative. The country's economy in the knowledge, skills and abilities of potential people should be valued for it. Country in terms of population, is the youngest country in the world where 70% of the population under 30 years of age. creating added value, we are faced with a major challenge that can be overcome with the use of e-learning. The need for the development of e-learning in the country, no doubt, what is the most effective way of learning and achievement. [4]

The general goal of e-learning to provide equal access, free Jstjvpzyr in uniform curriculum and instructional space and the optimization methods for different classes at each point presentation materials to learn more profound and serious. Unlike traditional training in such areas, as people are able to take advantage of threads.

5.E-LEARNİNG SYSTEM

E-Learning system, a systematic framework to provide a learning environment in the context of information technology and in compliance with the following features:
- Learning Management System platform to achieve a series of educational events and activities planned and managed by the Manager - E-learning comes into force.
- Control of knowledge and evaluation of training, behavior and the environment in which learning and learner records and Yaddhndh can control how the data for the country.
- The on-line access to educational sources: direct access to the digital documentation and information required resources such as books, papers, exams and learning resources related to interactions between learners and providers, including the same time and at the same time has for many years .
the program provides training.
- Direct and indirect interactions of the main pillars of education: on-line and interactive environment Yaddhndgan and dynamic synchronous and asynchronous forms of learning such as living rooms, forums and discussion and questions and answers [5]

6.TRAİNİNG AND SUPERVİSİON REQUİREMENTS İN E-LEARNİNG

- Interaction of content: content delivery packages for each class, which must be met and if the student is placed together. Yaddhndh should consider the amount of content and the amount specified in the management plan and implement training. The above content should be divided into two main content (in the form of lessons Parr) and complementary resources (in the form of books, pamphlets and multimedia resources), the learner is.
Their interactions evaluated after each session of the meeting, the student should be cross-tests after every two or three didactic Assignments related to the Forum must record and Azdanshjv wants to record responses.

Group interaction, knowledge sharing, asynchronous master is required to coordinate and manage the activities of students, assistant professor used to help students adjust to the appropriate behaviors, assess and control the training events.

Instructive in this regard should be shared references and resources available to students in the current year and prior year reserves (the hall way or download) the student can make use of. This can also be done on the project.

Redundancy individual and group interactions can be done in two ways:

1. The maximum number of students is limited and classes live on line on the question of duty and such determination is made.

2. Class attendance: Using a combination, which limited the semester must be formed.

E-learning framework set out above and, in more detail, there is a chance this time. [6]

7.NECESSARY İNFRASTRUCTURE FOR E-LEARNİNG

Requires a great deal of e-learning infrastructure include:

1. The development of ICT skills at all levels of the public;
2. Encourage and promote educational research in the field of information technology;
3. Quantitative and qualitative expansion in the production of educational software;
4. To equip schools with computers and access to the World Wide Web;
5. The development of ICT skills centers;
6. strengthen the infrastructure of the Internet in the country;
7. The development of public access to computers and the World Wide Web;
8. developing the use of ICT in everyday life [7]

8.METHODS AND TYPES OF E-LEARNİNG

ELearning is a wide range depending on the type of use and the facilities are divided into several categories.

1. Web-Based Training: The training will be through the Internet. In most cases, test and provide evidence through Alktrvnky the web. Classrooms, lecture notes, handouts, discussion rooms, mail, etc. are all part of the features of this method are stored on the web.or other features that are replaced

2. The computer-based training: This method does not require an internet connection and even the network. Except in special cases. In this way information is stored on an electronic interface and user interface using a computer or e-reader devices can make use of. A typical example is the use of an educational CD that much of it is used in our country.

3. Training through mobile devices and digital tools, supplies and training through mobile digital devices such as PDA, Tablet PC, etc. are provided.

4. Training via mobile: the new teaching and could almost be in the top group However, due to the increasing number of mobile phone holder and focus on the approach to mlearning Known for it's considered to be a separate batch. It's nice to be implemented.

But it is necessary to establish a telecommunication infrastructure. Many people, especially in urban communities of their time waiting for vehicles, traffic and so lose. Caching to provide digital sound, the sound of the train through the motions, but also through the eyes of its highest performance. The use of digital video tools best because:

4.1 can be written instead of moving and still images or video used

4.2 The text size can be customized according to the situation and quite big and the small.

4.3 can be used with text reader text or voice recordings and music used in the training.

4.4 If you are tired of reading entertainment devices used in these devices [8]

9.CHARACTERİZATİON OF E-LEARNİNG ENVİRONMENTS

Before moving to the implementation of e-learning should be considered following a few important points.

1.Although it seems that due to the fast development of e-learning, however, using this technology is the future of education Peter Drucker, the management of the way that the experts predict that within 20 years the current universities will become desolate lands (3), it should be noted that most of the move towards the use of e-learning, at least not yet have a choice a compulsion, meaning that different institutions, after considering the advantages and disadvantages of e-learning aspects of the decision to maintain the traditional methods and modern methods of e-learning are moving toward.

2. The element of communication technology in education using e-learning is not merely a means of providing training for the purpose of education; but the main factor in the success of this method is effective, and the content provided in the form of a comprehensive framework that will lead to the acquisition of education; Therefore, educational institutions must do more to develop new teaching methods to the development of communication, because the development of communication, a gift from the community and future technological advances will be awarded. Furthermore, studies show that the development of communication systems and the development of training systems unfortunately Akhtlaffaz significant for the proper use of the advances in the development of teaching there.

3. As already mentioned, the element of communication technology in education e-learning method, merely a means and not an end, the teacher's role should not be assumed that e-learning would disappear or fade and communication media to take his place . But the role of the teacher in e-learning activities and necessary, not only than the traditional method, but according to studies, the amount of time spent by the instructor in e-learning method, the traditional method is 2 to 3 times

On the other hand, one of the fundamental aspects of e-learning, the role of the teacher to make a change. In this way, the teacher, the student becomes a source of a provider's knowledge and to provide the necessary training In other words, in this way the teacher to steal the fish he does not, teach him to fish; So before moving towards e-learning should see this change to the teacher, in his, And also to create an inclusive education system to the next activity to be done in the context of this vision.

4. The use of e-learning, especially in its complete form, ie, to the point that overall, there is no need to refer to the teaching and learning processes to be able to all the remote, need to provide numerous infrastructures-technologizing And culture is to use this method, so it is advisable before using this method, at least in these structures provide an acceptable level Otherwise, confusion and confusion leads to a dramatic reduction in the quality of education provided will be comprehensive and [9]

10.ADVANTAGES OF E-LEARNİNG

1. Education is independent of time, place, distance, language and culture.
Using this method, the boundaries of time and place between the teacher and the learner was removed and the problems arising from differences in culture and language teacher and learner,

especially when the teacher and the learner has a different culture and language, they will be removed

2. speed transfer concepts Using the Internet to exchange information quickly pay You can also quickly access the information needed across the globe and information to be updated.

3. In terms of cost effectiveness to reduce transportation costs, building classrooms and school facilities and equipment maintenance, done cost per learner, less than traditional methods. If you consider that many institutions are virtually no college education and physical environment, cost reduction will be more tangible.

4. promotion of relations and foreign language skills Ability to communicate quickly and easily with multiple people around the world and promote the free exchange of ideas and skills in foreign languages(Especially the common language of the Internet is in English), especially for our students usually have the problem of language is important.

5. Consistent with the overall learning process.
In the traditional teaching method, have been pervasive in the top time in a given place and time to be predetermined, while the e-learning method that determines the overall
Every day a few times and each time the amount of training received, and even specify the time and place of learning.

6. Create the fields of innovation and creativity
The method allows the use of innovative e-learning multimedia, graphics, color and animation by comprehensive teacher and show creativity in web design and use of e-learning software, there are several features. On the other hand, a growing number of students, seeking new skills needed on the internet, and also determine how these skills are This method can be introduced to them and their skills in order to gain the skills guide.

7. Insert the resources available and useful to the world In this method, refer to the quick and comprehensive resources related to the intended use of the resources in improving the quality of training provided will be provided.

8. Creating equal opportunities for education
Training can be delivered by e-learning Fradanshgahy for various organizations, including public and private institutions applying for training offered And the training offered by other institutions of learning are provided. For example, a medical training, medical schools or religious seminaries for training courses Education and training Engineering are required to provide them,.

9. Provide combination of work and training
The specification of future training, combination of education and work. The future of education needs to be done in parallel. Unlike today's young people between 12 and 20 years of the most critical period of his life in the isolated environment in the name of their school, to teach the youth of the future will be only a few years. From early adolescence to work effectively with other family members will be involved; Thus, the educational system must be able to respond to the need for future news and have a combined training and e-learning has the attribute and for the future of education [9]

11. DİSADVANTAGES OF USİNG E-LEARNİNG

1.Remove the damaging social relationships and parenting education learners.
The main criticisms of different electronic technologies, only the Byshazpysh people. Since the training, the training of the mind is usually in addition to providing specialized training and education centers, Fvqbrnamh activities such as camps, recreational activities and cultural excursions also provide sports, field development and promotion of the universal character while this method provides free e-learning is an important feature. Besides promoting immoral

content on the internet of things that are often too young learners who are vulnerable, threatened.

2. The initial costs are high Based e-learning methods need to provide hardware, software, basic education and teacher training, the development of communications and telecommunications network maintenance facilities and possibly pay to the owners of the data sources is required.

3. impose additional costs to surround Including these costs, the cost of providing a personal computer, modem and communication lines for internet connection costs and expenses necessary for the use of materials is possible.

4. Lack of information security Unauthorized access to information exchanged through the Internet and development of destructive computer viruses in the Internet, the disturbing aspects of this Network are. [9]

12. CONCLUSİON

We are passing is a profound transformation of human society. This evolution is not limited only in the technology and tools, but the basic concepts are taken from concept to concept learning are fundamental changes.

The Internet has the ability to move around the country Nfvzknd and a good quality education is affordable. Combining this feature with interactive features of computer-aided learning systems, a wide range of community groups can play a role in imparting training to the Rabazy.can be a lifelong learning process, to gain the knowledge they need to pay. [10]

In parallel with these developments, educational structures in the world are becoming Fragyrgray new approach are numerous ways Mlmgray earlier.

The teacher becomes a guide for Fragyrtbdbl Vjhtdhndh and incentives are helping to provide a comprehensive solution to analyze and solve problems through knowledge. It is a teacher's guide. On the other hand, in spite of these changes, the development of effective methods of distance education is still not moving foot to the rapid growth of technology and global the educational system is therefore still the ideal and the education system considerable distance current. This, in turn, there are calls for more attention to the issues of engineering education and to develop optimal strategies for e-learning requires the transfer Since the features of cultural, technological and specific circumstances of the educational system a country, E-learning model for Systmamvzshy its influence, we also need to develop our educational system according to the local features of OCW and e-learning management systems act.

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