

Virtual teaching at the education centers

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Abstract:

It's better to evaluate information technology and its role in learning and Orientation with different concepts such as virtual education and its advantages and their difficulties in improving the quality of education. Virtual reality and its position in learning in one of the issues that is evaluated in this essay.

introduction

Coming of new technology to the field of information and creation of information technology revolution all dimensions of human life and the process of doing things with not too distant past changed in quantity and quality and because of this changes universities and educational centers face whit new phenomenon as instrumental technology that facing the learning outside the traditional mode and has given it a specific way. In the short time of its emergence it could transform the way of educational level very wid.

Definition of information technology

Interconnected set of information technology methods, hard wares, soft wares, communication equipment and information in various forms (audio, image, text) that collects, stores, retrieves, processes, transfer or takes the field.

According to UNESCO

Information technology is a scientific, technical, engineering method, management techniques and processes and information using in social, economic and cultural contexts.

The role of ICT in learning

ICT in the short time that had passed could improve human life. one of the major changes is dedicated to learning and teaching[3]. The role of information and communication technology in learning cycle is very important. Information and communication technology has been able to fix the deficiencies and shortcoming of traditional learning and training

Definition of Internet, network, web

Internet: a network that connects other global computers all around the world. Internet is the abbreviation of inter connected networks.

Network: two or more computers that are connecting to each other and are working with the same computer language and thus relating to each other.

Tar or World Wide Web: A part of the internet is called web or www. That has been created for a few years but has had very rapid growth. Often thought that internet is that the www but this isn't a true notion. Internet is a network by itself and World Wide Web or the webs are such activities. That carried out in internet.

Virtual education:

Custodians by sharing advanced courses, make offering of the contents more attractive.

Definition of virtual education:

Provide the educational content and, teachers experience to learners that people every where can take advantage of this type of training.

Research the different of the viewpoint: Virtual training is attention to learning via the internet.

Cisco systems argue that such works involved:

Make available to achieve education for all public companies and provides the learning process[8].

Design education in virtual environments

In a virtual learning environment visiting a few media tools are the basis of learning processes, and you need to learn new teaching media literacy to several receptors(literacy, auditory, visual, technology literacy, computer literacy and have normal jobs). Instructional design is a team of(preferably with experience in curriculum resources self compile)specialist education, specialist E-learning(virtual environment) and implementation of IT professionals participate in the lesson plan[7].

Important benefits of e-learning:

Over all, these benefits can be out lined as follows:

1. no need of physical presence in the classroom
2. lack of specific class time
3. high quality of offered sources
4. supporting large number of learners in a lesson
5. increase the scientific level of community
6. access to digital libraries[2].

Problem in exams via the internet:

The main problem is lack of internet infrastructure. Possibility of disconnecting or having busy line are the problem of whom are using internet via modem. Also, other problems such as power outage can be difficult to make a remote testing. Especially you can solve this problem by enhancing the internet infrastructure. Another issue is the high cost of holding the exam by computer. But the biggest problem

is the possibility of fraud. So the solution is having an observer while having exam like the virtual university of Tabasco Canada.

Holding an automatic test system in Canada Tabasco

The goal of this system is to automate the process of designing exam questions and scoring the test. To increase the security, the data-base of the questions are surreptitious, for each course four to six complete exams are written and the exams approved by the professor and with filling special forms, requests to attend in the exams[9].

Also a separate username and password will be send out to the students and to the observers. Exams include descriptive

and testing questions. Testing questions are automatically corrected and scored and descriptive questions with a questionnaire send to a corrector:

Corrector correct the question and send score to the main server via the network. The main server then combined test score with your score and final score is calculated[2].

Virtual CV (grade virtual)

The CV score of student with high softy factor has been placed on the internet.

In this method there are other advantages:

The amount of information between the agencies and the network user reduced and so network speed increases.

There isn't any need to complicated services for making data-bases and so network making and preservation expenditure reduce.

Creating and updating the data-base is easy because of Non-Independent of base and its indirect relationship with webpage[7].

Application of virtual CV

This method can be used to announce the result of tests and competitions to identify people, to lead them to the desired page and etc. in this CV because of student's test result we use this method. Our goal is receiving student's record number and then displaying students score. This function search the data-files and display them.

Types of virtual education in terms of users and audience.

Higher education:

Mostly students, faculty staff, university staff or even clients of higher education courses are users of this kind of virtual education. Concept such as digital and virtual university is related to this kind of virtual education.

Educational aids:

Mostly students, their parents and teachers are the users of this kind of virtual education. Concepts such as virtual schools, virtual high school and etc are related to this kind of virtual education.

Teaching staff(training):

Personnel and employees of companies, institutions and public and private organizations are the users of this kind of virtual education. The use of ICT in education and manpower training is considered high usually for companies, factories and institutions with human resources[5].

Virtual library

By improving ICT, libraries changed from their tradition mode and they use modern technology and thus in addition to traditional library a new type of library with the name of virtual library was created.

Virtual conferences

Because of mutual relation by the means of new technologies and creation of an active filed at the real time , virtual conferences are possible in virtual education.

quality education Based Internet

Courses and programs that are presenting in developing countries, are made by more advanced countries. This type of application, regardless of the culture and needs of these countries lack the necessary credibility and efficiency. For example, in 1998 the world bank has been recognized, The turkey Anadold

university whit 500,000 students as the largest distant education university. Recently, at this university for enhancing the quality of education, classes are conducted via the internet.

The application of virtual reality in education:

Virtual reality: this model of learning is being used in pre school to high school and also in the industrial and governmental sections and military.

Thomas and Stewart, have drown several roles for virtual reality in education:

1. places and things are offered to students that in real world they aren't available.
2. they used to show things that their exact and effective evolution require change in scale and size.
3. they are creating places, spaces, and objects without change in their quality.
4. with people who are in remote locations communicate via the world wide web clubs. Students from different countries can work together on projects of interest.
5. communicate with real people in the empty space that are created is possible.
6. it makes possible to communicate with real people with no-realistic approaches.
7. Create and give finishing touches to data for solving them with mathematical operations.
8. interact with virtual creatures like agents of people and historical faces that shows different philosophies and different views and participate in a simulated discussion. For manufacturing virtual reality , the three-dimensional software are used and most famous of them are: virt-virtus corporation, walk through-virtus walk through have been mainly prepared for architects[10].

Virtual training system:

Virtual training system can be used at home or learning environments.

Using at home: these days most of the families have computer and can connect to network in this way system can work as an effective instrument in remembering subjects, improving the level of learning, and sounding it.

at the other hand conducting training courses as preparation for entrance exam, etc, is possible [10].

Using at learning environment: these, days all the high schools have computer and can made network and connect to internet in this way using from learning environment is considered for helping teachers in conveying the concept to students [8].

Problem of virtual education:

Although virtual education has many advantages but have some problems for educational system. Some of these problems include:

1. audiences need to be computer literate.
2. the necessity of having specific standards for evaluating training programs
3. issue of issuance and certificate validation
4. escaping the expensive training
5. non-native language education
6. copyright issue related to information resources [4].
7. need to use special tools and equipment

for using technology in the educational affaire of each country, the following conditions should be provided:

1. creating strong technology infrastructure
2. develop in investing information technology and related industry
3. regarding issues of copyright and legal foundations of it.
4. collection of standard training for educators and students
5. developing continuous-service training courses for official, staff and faculty
6. mobilizing manpower for commissioning and training system is necessary
7. government and private sector investments and participation is mandatory in this field
8. proper Culture building and changing of traditional social attitudes in this field is necessary
9. more communication and coordination at the international level is required for valid world wide certification [5].

Suggestions:

At the end of this research for improving educational quality by using modern technologies in education centers some point are recommended:

1. necessary changes in classes by using multimedia system
2. putting, the use of various software at the center of educational activities
3. to help student and teachers in using the Internet
4. adopt necessary regulations to confirm the distance and virtual education
5. design virtual learning networks if possible
6. support open and creative specifications at virtual classrooms

7. develop teacher education courses based on modern educational changes, because virtual school isn't a dream
8. curriculum should be change according to new technologies
9. curriculum planners constantly strive to update their information
10. to create the appropriate cultural context for the rational use of new technologies at the community level
11. analyzing cultures that are created by new educational technologies from different perspectives [8].

conclusion:

ICT and the move from traditional societies to information societies is affected all aspects and requirements of humanity. Methods of training are also subject to such changes. Use of virtual education with new human societies. In our country also planning to use such methods in conducting the training of school education, vocational and professional is necessary. The use of such techniques increase the educational quality and productivity in all organizations.

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