

## **FACTORS AFFECTING IN USE OF EDUCATIONAL TECHNOLOGY CAMPUS AND HIGHER EDUCATION CENTERS UNIVERSITY OF FARHANGIAN OF ISFAHAN**

**Forogh Shafiei<sup>1</sup>, Zohre Saadatmand (PhD)<sup>2</sup>**

<sup>1</sup>*Department of Educational Science, Khorasgan Branch, Islamic Azad University, Isfahan, Iran*

<sup>2</sup>*Assistance Prof, Department of Educational Science, Khorasgan Branch, Islamic Azad University, Isfahan, Iran (Corresponding Author)*

### **Abstract**

*The aim of the present study was reviews the factors affecting utilizing educational technology in higher education centers and campus of the University of Isfahan. Research methodology was descriptive and survey. The statistical community research was campus and centers of higher education Teachers University of Isfahan between 115 people. The sample size using the formula sampling Cochran was an estimated 85 people. The results of the research showed the role of evaluation of performance, appropriate curriculum, teachers, professors, knowledge skills and attitudes desirable plant and equipment, in taking advantage of the higher than average levels of educational technology.*

**Keywords:** *Education, Educational Technology, Campus and Higher Education Centers*

### **1- Introduction**

Today, most of the communities in order to compensate the past and stop the country's educational system, due to obstacles and cram the revision and to repeat the mistake in this way and of the extravagant costs and prevent their heavy, by maintaining the value of its national and ideological, of the results of research and the experiences of other countries, as well as scientific and technical conditions and needs of the country in proportion to the may be interest. One of these experiences is valuable and precious metals, the use of educational technology is conscious. The purpose of the application of educational technology in the use of equipment and tools of mere auditory and were patient in educating not only because the concept is part of a new concept of educational technology are unlikely. In the new concept of educational technology, the most systematic design process emphasizing teaching and learning. With this definition the use of educational tools as one of the factors that shape the educational system cannot progress alone will cause the entire educational system. But with unfortunate often countries in utilizing educational technology only to a simple understanding, application and maintenance of equipment and educational tools they suffice and will ignore other aspects of it. As a result of initiatives and experiences than can complete its reform programs and teaching methods of interest. Purpose of providing educational technology Finally, knowledge of internal initiatives and utilizing the instructors, teachers and educational affairs experts said.

Since the task of the current major universities is responsible for teacher training can be an important factor in the growth and meet the teachers with the principles and use of educational technology in the classroom, this requires that it is people who are in these

centers to teach and train are busy with your first concepts and principles are met, secondly the ability to use technology into the classroom and have a learning environment. With regard to this important discussion in the wake of the split the two are familiar with the concepts and principles of educational technology and applying it in class and provide guidelines of its development.

## **2- Expression Problem**

In new age new aims of education located on new approaches in learning and forming in front of the traditional approaches, the change of the role of the teacher and the recipient to come and learn about the opinion is that in General, the use of technology to achieve the goal of high quality learning for all is inevitable. The main agents and teachers engage in educational system technology are successful. As each has its own method of teacher in the use of the black Board or any other quality of teaching is expressed in the use of technology in education and the integration of technology in teaching, to experience and attitude of teachers, there are too many places [1].

The performance of teachers in the course of lessons and other learning environments, under the influence of the following factors: its look to the teaching of the subject, beliefs about the lesson, the students of the subject, the professional skills in management and organization, the personal characteristics, perceptions of the present status of teaching behaviors and the situation, in which their teaching [2].

International Society of technology in education by emphasizing the point that the teachers of our classes, we are ready to provide technology-based learning opportunities for their students. In fact, the main person in helping students to access the capability of technology is the course teacher. Readiness for use technology and knowledge of how the technology of learning support for students, teachers must be part of the fundamental skills.

Today's society is that citizens need to be able to fit with the information technology and communication, critical thinking and with the adoption of strategic methods to resolve pay issues. Educational technology background of this benefit provides, because of the quality of the information, skills, and knowledge needed for successful living and ways to use information resources and communication may be possible.

According to today's technology, as it is a separate part of the of human life and is a prerequisite for doing tasks for more efficient and more low cost and time spent with the use of appropriate technology, the necessity and the importance of technology and education as a means for creating information literacy and technology literacy shall occur for more than predefined.

The support of educational technology in the use of training, ranging from planning, preparing the content and scope of texts forming methods, learning and learning, especially in the educational environment in schools and is one of the most important necessities in the direction of promoting education and learning is the creation of high quality. Educational technology as a necessary background to the fundamental principles of e-learning as one of today's education system has been accepted.

This well may be the bed thinking, mind, discovering, learning and creativity in providing reconstruction for the recipient, he is the subject of the desired learning and problem-solving that interested, actively involved in the learning process and strive to learn to learn, to practice correct and properly targeted and interested in the life of a sensitive, responsible and committed to utilizing educational technology in our educational system in the beginning and is used to provide background Of appropriate technology in the development of educational affairs, requires hard work, challenges and is abundant. The realization of the development of the knowledge-based society and over each component is dependent on a quality education. The evidence suggests that it is one of the factors

influencing the quality of the learning process, correct, effective and efficient use of technology education [3].

Technology increasingly, in many aspects of the social and working life as well as a lot of our spare time activities have been expanded. As community-based technology, the use of educational technology as a supplement, reinforcing and supporting educational issues in traditional training solutions ranging from the design, implementation and evaluation, and ultimately achieve the goal of quality education is expanding strongly. Studies show that teachers and professors not only of educational technology as an adjunct teaching methods using in the classroom, but also for the development of personal skills and qualities and also your professional brand change between the learner and the tutor agent technology and is the key to effective implementation of educational technology in the teaching and understanding that the role of teachers is in the effective use of modern educational technology [4].

Finally the aim of educational technology, the internal knowledge and utilization of educational experts, teachers, instructors and initiatives is. Since the task of the current major universities is responsible for teacher training can be an important factor in the growth and meet the teachers with the principles and use of educational technology in the classroom, this requires that it is people who are in these centers to teach and train are busy with your first concepts and principles are met, secondly the ability to use technology into the classroom and have a learning environment. According to this survey sought to identify important research in the development of educational technology of interest in higher education centers and campus of the University of Isfahan is a farhangian.

In the field of training, the instructors have to effect a variety of strategies have been used in the mastery of which are flexible. This is in addition to having commitment and interest, entails having the professional knowledge and skills is the key to effective learning is original. The main topic of the effect of the section of teachers and educational skills mastery learning strategies are quite good, on the formulation of objectives, formulate lesson plans, classroom management mastery and know how to create motivation, communicate effectively, and work with the students. The instructors to the appropriate use of technology in the classroom have been aware.

Of course, having a technological change has necessarily skills alone cannot increase the students' ability to learn. To create the appropriate environment to learn other terms need to help students learn. These conditions are qualified instructors, attitude in the use of technology in learning, educational content and resources planning standards, the assessment of the effects of technology on student learning and an emphasis on active learning and vision with the manufacturer. Technological change has the effect of section instructors your skills improve and perfect the technology to use in the classroom. This use must be compatible with the learning needs of the students.

Educational technology today is the centerpiece of all the activities carried out in the educational centers located, therefore different educational concepts and the application of technology by teachers is necessary because many of the problems if we want to study the way of training his feet shall be removed, should the identification of educational technology solutions we offer. This is an important measures including those for managers and planners the educational and enlightening survey results the importance of educational technology at the University of the task that the current major is responsible for teacher training is an important factor in development and be familiar with the principles of training and use of technology teachers in the classroom, this requires that it is people who are in these centers to teach and train are busy with their first Be familiar with the concepts and principles of technology, the second is the ability to use it in the classroom and have a learning environment. With regard to this important discussion in the wake of the split the two are familiar with the concepts and principles of educational technology and applying it in class

and provide guidelines for the development of the small step forward though and in this way be removed.

### **3- Research Questions**

- 1- *What is to extent the role of facilities and equipment in utilizing educational technology?*
- 2- *What is to extent the role of the attitude of the maestros in the desirable benefit of educational technology?*
- 3- *What is to extent the role of teacher's skills in utilizing educational technology?*
- 4- *What is to extent the role of knowledge teachers in utilizing educational technology?*
- 5- *What is to extent the role of appropriate curriculum utilizing educational technology?*

### **4- Research Methodology**

The research method of this research is survey description. The statistical community the research campus and centers of higher education teachers University of Isfahan between 115 people. The sample size using the formula sampling Cochran was an estimated 85 people. Reliability of the questionnaire via the cronbach's alpha was obtained 0.91. The following scale of reliability a questionnaire in the table below:

*Table 1- Reliability, Alfa cronbach coefficient*

<b>Component</b>	<b>Reliability</b>
Facilities and equipment	0.88
Favorable attitude of professors	0.93
Skills masters	0.92
Knowledge masters	0.95
Application and appropriate content	0.92
Evaluation of faculty performance	0.87

### **5- Findings of Research**

**The first Question:**

*What is to extent the role of facilities and equipment in utilizing educational technology?*

*The table-2 Average score of role of facilities and equipment in taking advantage of the educational technology*

<b>Component</b>	<b>Mean</b>	<b>SD</b>	<b>SM</b>	<b>T</b>	<b>Df</b>	<b>Sig.</b>
Facilities and Equipment	3.77	0.75	0.085	9.011	76	0.001

Based on the findings of the table 2- average score for the role of facilities and equipment at the utilization of educational technology is equal to 3.77. Calculated T from table t has been larger. So score the role of plant and equipment in the utilization of educational technology,

the higher the average level is. The results show a 95 percent score between 3.17 to 4.71 change.

**Second Question:**

*What is to extent the role of the attitude of the maestros in the desirable benefit of educational technology?*

*Table -3 average score of role of Attitude of the Maestros taking advantage of the educational technology*

<i>Component</i>	<i>Mean</i>	<i>SD</i>	<i>SM</i>	<i>T</i>	<i>Df</i>	<i>Sig.</i>
Attitude of the Maestros	4.08	0.59	0.065	16.424	81	0.001

Based on the findings of the table- 3 in the average score of a favorable attitude toward the role of teachers taking advantage of educational technology is equal to 4.08. Calculated T from table t has been larger. So the optimal role of the score of the attitude of teachers in educational technology is higher than the average level. The results show a 95 percent score between 3.31 to 5 is change.

**Third Question:**

*What is to extent the role of teacher's skills in utilizing educational technology?*

*Table 4- average skill score the role of teachers in taking advantage of the educational technology*

<i>Component</i>	<i>Mean</i>	<i>SD</i>	<i>SM</i>	<i>T</i>	<i>Df</i>	<i>Sig.</i>
Teacher's skills	3.85	0.65	0.074	16.424	81	0.001

Based on the findings of the table 4- average score of the role of teacher's skills in taking advantage of the educational technology is equal to the record. T calculated from table t has been larger. So the role of teachers in the skill score taking advantage of educational technology, the higher the average level is. The results show a 95 percent of scores between 3.15 to 4.85 is change.

**Fourth Question:**

*What is to extent the role of knowledge teachers in utilizing educational technology?*

*Table 5- average score of the role of teachers in awareness taking advantage of educational technology*

<i>Component</i>	<i>Mean</i>	<i>SD</i>	<i>SM</i>	<i>T</i>	<i>Df</i>	<i>Sig.</i>
Knowledge of Teachers	3.79	0.70	0.079	10.057	77	0.001

Based on the findings of the table 5- the average score of the role of teachers in awareness taking advantage of educational technology is equal to 79/3. T calculated from table t has been larger. So score the role faculty awareness taking advantage of educational technology, the higher the average level is. The results show a 95 percent of overweight patients between 15/3 grades up to change.

**6- Discussion and conclusions**

The success of any educational system as a determinant to the professional knowledge and skills depend on the teachers. The Japanese consider the merits of each is the size of the merit system, the masters of the third research question in the conclusion it can be said that master, the most important member of the educational system in the process of teaching and learning, the original architect's education system. So the world can be changed quickly and teachers

should also like other professional groups, with the fact that primary education be face in the world today will not be so useful, and they should be in your life around your knowledge day transplanted eyebrow hairs came to investigating the acquisition of knowledge and skills that lead to deep and lasting learning though, been transferred to the outside of the school environment, and of the designers open late And programmers has been educational. The ever-increasing expansion of science and technology led to the creation of diverse expertise in all fields, and the needs and wishes of the members of society has increased.

Increase operating teaching facilities and equipment in terms of quantitative and qualitative efficiency and objectivity of the content of such courses to foster the means of operating, respectively.

Since the training must be done with greater speed and quality. For this reason, many psychologists for the creation of new knowledge and development of science and technology educational technology and the use of the means and the material assistance they recommended educational training in educational topics because the technology to the advantage of speed, he and ease of teaching and learning is. Training requires the effective application and technology training is learning and educational aid equipments and techniques of different response time to our schools, they found that the way teachers are familiar, and the fact they themselves believe.

Because the use and acquisition of skills in each work requires the use of SQL to run it would be. The use of educational means is liable to help students from all your senses for learning to use the contents of the help because the educational basis of the means for making palpable provides concepts and thinking and, as a result of the speech in fact reduce students ' reaction.

Today experienced teachers and education officials in both the necessity and the means of contraceptives and educational materials to help others understand more than ever and have been feeling. To achieve more prosperity to community tomorrow Faculty shall have jurisdiction and the merits of how the use of educational technology in the teaching and learning of their business activities, teachers should learn educational technology and this would facilitate the process of learning and teaching.

Creating an effective learning environment in the world today is not a simple task. Therefore, the use of appropriate educational and creative methods for forming and learn of the importance of learning a particular person is entitled to. Therefore, instructors should be thought of in terms of how and what to pay content..

Active learning workshop, they encourage the creative. In addition, the development of communication skills, other skills such as the ability of effective cooperation within the group, critical reasoning and self-evaluation of the learning process with forming and training workshop to promote learning is enhanced.

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