The Impact of Modern Information Technologies on Educational Process

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Abstract: *This article examines the role of information technology in teaching and learning process. The impact of IT to the educational process, some issues about the usage of IT by students and teachers, suggestions for teachers in making media used in the learning process, so that students will have a desire to learn are also discussed in this paper. In today's modern world global information technology influences all aspects of people's lives and plays an important role in education and training.The world changes so quickly that the need for computer technology in the teaching and learning process increases day by day.*

Key words: Information technologies ,educative environment,interactive methods,educational process , modern equipment technology, effective communication, sharing information, knowledge explosion, improving the condition,web-based learning.

According to the latest insights as to how exactly modern students of today prefer to use technology and how does their learning get an impact if they use technology, it was revealed that the use of modern equipment technology and tools, the learning and interactivity of students increases. They also find it much more interactive, as well as full of interesting areas, when aided by technology. The transfer of knowledge becomes very easy and convenient, as well as effective. What this means is, that our minds now tend to work faster when assisted with the use of modern technology, it does not matter if it is any part of life. The use of the internet allows students to find amazing convenience, they can find various kinds of help, tutorials and other kinds of assisting material which could be used to academically improve and enhance their learning. Using information technologies students can decide about their studies, learning time, place and resources in a better way. Students can work in more supportive environments, seek help from teachers and fellows, and share their learning experiences and ideas in romantic and productive fashion.

In educational context, ICT has the potential to increase an access to education and improve its relevance and quality. Many scientists asserted that ICT has a tremendous impact on education in terms of acquisition and absorption of knowledge to both teachers and students through the following:

1. Active learning: ICT tools help for the calculation and analysis of information obtained for examination and also learners' performance report are all being computerized and made easily available for inquiry. In contrast to memorization-based or rote learning, ICT promotes learner engagement as learners choose what to learn at their own pace and work on real life situations' problems.

2. Collaborative and Cooperative learning: ICT encourages interaction and cooperation among students, teachers regardless of distance which is between them. It also provides students the chance to work with people from different cultures and working together in groups, hence help students to enhance their communicative skills as well as their global awareness. Researchers have found that typically the use of ICT leads to more cooperation among learners within and beyond school and there exists a more interactive relationship between students and teachers . "Collaboration is a philosophy of interaction and personal lifestyle where individuals are responsible for their actions, including learning and respect the abilities and contributions of their peers."

1. Creative Learning: ICT promotes the manipulation of existing information and to create one's own knowledge to produce a tangible product or a given instructional purpose.

2. Integrative learning: ICT promotes an integrative approach to teaching and learning, by eliminating the synthetic separation between theory and practice unlike in the traditional classroom where emphasis encloses just a particular aspect.

3. Evaluative learning: Use of ICT for learning is student-centered and provides useful feedback through various interactive features.

According to the most recent research into how modern students choose to use technology and how technology affects their learning, it has been discovered that when students use modern equipment, technology, and tools, their learning and interactivity improves. When technology is used to assist them, they find it to be much more participatory and full of intriguing places. Knowledge transfer becomes very simple and convenient, as well as very effective. The main problem with the learning in education is the process of teaching. In order to enrich the knowledge and experience, to practice with science are very important issue both of teachers and students, that's why there are a lot of opportunities, for example the exchange of experience and internships with the educational institutions of foreign countries is being carried out. Teachers work with their colleagues and participating in retraining courses, conferences, the main aim is to find solutions to emerging challenges and to share their skills and teaching methods. Educational technologies are one of the great opportunity is in teaching subjects, on the one hand, to develop of communicative competence of students who are studying in a high educational institution is very difficult process. To elaborate subjects are comprehensive way to improve process because with authentic material, learner can practice with reading and speaking and it very efficient in teaching process, it will provide the future professionals for occupation. But we have to state that, in developing the learner's skills, it is necessary not only to create free communication, but also to learn key elements of subject that are used in their daily life. Of course, all students haven't same ability to catch each details of topics. At the same time, the teacher must find appropriate way to whole class, it is very common controversial topic for today, the innovative form of teaching, methods and tools helps to improving the condition in educational process, to develop communicate, creativity and advanced educational technologies is active keys of teachers. Most traditionalpedagogical technologies are characterized by specificity for example, a pen or pencil is for writing, chalkboard methods but in recently times, they are useless and old and serve only for wasting time, there are appears one question, faced with new pedagogical challenges how can teachers integrate technology into their teaching? In this case teaching with technology are three core components, they are content, pedagogy and technology, plus the relationship among and between them. The interactions between and among the three components, playing out differently across diverse contexts, account for the wide variations seen in the extent and quality of educational technology integration. The reason to consider leading with technology is the access it provides for students. There is an ability to create new things not possible without it. When they cannot, they will usually with their peers, collaborate within their digital constructs. By providing some access, we increase the possibilities for new learning. The use of advanced educational technologies with modern information technologies creates enormous opportunities for society. Nowadays, reforming and improving the continuous education system of country, which it has been on the path of independent development, it has led to a level of state policy that promotes the introduction of advanced pedagogical and information technologies, increasing the effectiveness of education. Pedagogical technologies are used to teach in every sphere in all education of country. Educational technologies - intelligent design of ways to achieve optimal pedagogical functions in the given or existing environment.

On the other hand, "pedagogical technology" is the pedagogical phenomenon and process used in the field of education technology. Educational knowledge is teacher's deep knowledge about the process

and practices, methods of teaching and learning. A teacher with high pedagogical knowledge understands how students construct knowledge and acquire skills and how they develop habits of mind and positive dispositions toward learning. Teaching with technology is difficult action to do well. Using pedagogical technologies in teaching all subjects is the achievement of the guaranteed result by designing for specific goals. Learning Technology -is a pedagogical direction that explores and teaches the best ways to achieve educational goals, based on a technological approach to the teaching process. It is clear that teacher is a mature expert use of modern pedagogical technologies in every lesson. We can't imagine education without technologies and there are a lot of reasons to create new technologies. For example, the aim of accelerating and increasing the effectiveness of the teaching in developed countries, the organizational, scientific and methodological foundations of the system of continuous education have been created in each developing country. The solution of these tasks is directly related to what is a major issue in the world science fund and how to solve them. In this context, modern problems related to the introduction of educational technologies will be identified. Moreover, it is time to continue the work in this direction. While some aspects of vocational training in pedagogical practice do not reflect well, improvements in the teaching methodologies make the issue more relevant.

To conclude I would like to mention that information technologies affect the teaching learning process in different ways. Different technologies help the teachers and students according to their respective nature and capabilities of storage and presentation. At present, many methodologists and pedagogues are intending to educate students that it is a guarantee of achievement of the goal. But that's it is impossible to accept the ideas, the technology doesn't key of successful education. Because pedagogical technologies are only way to help improving the process of teaching. Therefore, educational process of modern pedagogical technologies is purpose of teacher, who is the mentor or he or she will be the main guarantor of achievement. From point of view the new pedagogical technology and its mainstream the basis of information-communication (ICT) technology is a teacher who is the manager of the system the level of preparation should be given priority. Therefore, a positive or objective solution to many of the current topical issues of the pedagogical process depends on the professional capacity and pedagogical skills of the teacher. So, educational technology is main tool of teaching processes. Teaching successfully with technology requires continually creating, maintaining and re-establishing.

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