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Using Innovative Technologies In Improving The Efficiency Of Education: Problem And Solutions

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Abstract: This article reveals the principles of using innovative technologies in education system. Also, the article outlines some of the challenges and solutions that are faced in education system**.** Innovative technologies are as part of a new pedagogical paradigm and state education policy.

Key words: Innovative technologies, educational process, new pedagogical technologies, quality of education.

Innovative teaching technologies are aimed at organizing the educational process by various ways that facilitate the thinking of students, and this requires the teacher to conduct various researches. Lessons which using modern technologies are designed to help students find what they study analyze and even draw their own conclusions. In this process, the teacher creates conditions for the development, formation, acquisition and education of the individual in society, as well as acts as a guide. In this learning process, the student becomes the main figure.

Nowadays, educational organizations brought up creative and independent thinkers in the spirit of national and universal values. Addressing successfully these challenges will require usage of innovative educational technologies in the educational process. When the teacher and student focus on how effective and engaging the lesson is, and how easily the material is mastered, it becomes easier to study the subject [1]. The achievement of this result will entail inevitably in the educational process, innovative educational technologies, pedagogical technologies, technological maps and modern teaching methods.

The relevance of innovative educational technologies in the educational process is due to as follows:

- implementation of the goals of the adopted National Program for Personnel Training, formation independent and free-thinking person who is able to participate consciously in social and political life, influence actively in the social processes that responsible for the fate of the country;
- training of competitive specialists in accordance with international standards [3];

Uncertainty in the country's economic development is a constant companion, there are various options for making decisions related to risk. So everyone should learn to make the least harmful decisions, depending on the situation,

Today, information is so diverse that no matter how the teacher is not experienced or knowledgeable, he will not be able to convey all information during the lesson. The only right way is to increase the activity of students, teach them to work on your own on a regular basis. Through years of experience, leading educators have proven that this goal can be achieved with using innovative educational technologies.

The structure of educational technologies consists of:

- development of learning objectives: syllabus, curriculum, work program.
- clarification of learning objectives: subject, section, chapter, topic.
- transformation of educational goals into tasks: exercises, tasks, activities, tests.
- organization of the educational process: pedagogical technologies, interactive teaching technologies.
- evaluation: current evaluation, interim evaluation, final evaluation.
- expected result: new knowledge, personal qualities [2].

Non-traditional teaching technology differs from traditional teaching technology that non-traditional technology contributes to the development of

students' cognitive abilities, focusing on attention to their independent work, and their cognitive activity is a creative nature. The structure of the lesson will be variable. Non-traditional education technologies fall into three categories: collaborative learning, modeling, research (project).

Collaborative learning is the acquisition of knowledge and skills based on the organization of direct set of skills and competencies under the guidance of students that ensure reproductive activities for the acquisition and consolidation of students' knowledge. It consists of methods that give students receive education in exchange for working in independent groups. These can include methods such as work book, study sessions, round tables, brainstorming, small group work and discussions.

Modeling involves creating a simplified view of events and processes, taking place in real life and in a group, allowing students to participate and learn situation.

The main goal is to improve the efficiency of the educational process, provide students not only with hearing, but also direct participation in the acquisition of knowledge. These include techniques such as business games and role-playing games.

Research (project) is a collection of methods by which students understand and solve problems, improve and encourage independent learning. The purpose of the study is to awaken students' interest in the problem and findings of answers in the group. It provides students with direct participation in the process of practical research. These include techniques such as problem situations, design techniques, independent research, and referral text.

Non-traditional educational technologies allow students to take an active part in the lessons, as well as: leads to a better understanding of the content of the lesson; not only helps to master the content, but also contributes to the development of critical and logical, analytical thinking; developing problem solving skills; helps the teacher to devote time and help students to independent thinking, even when studying difficult materials [3].

It is important to remember that the instructor has disadvantages, such as his ability to think and solve problems, assess situations quickly and be responsive. It should be noted that pedagogical technologies, which are the main component of the educational process in innovative educational technologies. Currently, special attention is paid to the use of pedagogical technologies in the educational process of higher educational institutions. There is a wide range of educational technologies in personality development. The Law on Education and the National Program for the Training of Specialists pay special attention to the implementation of developmental education.

Usage of innovative technology can be a time-consuming process. If a technology is adopted school-wide, teachers should have access to extend support from trained professionals, as opposed to a single hour long meeting. Of course, this will require additional researches for schools, but educators of educational technologies should be increased emphasis on user support. With high quality support from both creators of educational technologies and school employees, teachers will have access to the resources. The knowledge that support is readily available may in turn increase acceptance of classroom technologies. The most essential form of support to teachers can change as the technology integration project matures. During the earlier phases of a project, teachers require more technical support just to use the new technology, which could be accomplished by hiring educational technology and information of technology professionals. As teachers become more proficient in the technical skills required for the new technology, their needs may shift to administrative and peer support to help develop and apply new uses for the technology in their classrooms [4].

It is possible to integrate a systematic approach to teach educational technologies into the educational process. Pedagogical technologies encourage the teacher to create a technological chain from the goals of the educational process to the create diagnostic system and control over the process. Since pedagogical

technologies are based on the use of new tools and information methods, their application will ensure the fulfillment of the requirements of the National Curriculum. The use of pedagogical technologies, such as computer information technologies, modular technologies, multimedia technologies, interactive technologies, problem technologies, software teaching, pedagogical games technologies, management technologies, pedagogical cooperation technologies, have been widely recognized in the learning process in the educational organizations. The correct implementation of pedagogical technologies in the educational process will lead to the fact that the teacher will act as the main organizer or consultant in this process [2]. This requires more independence, creativity and willpower. Therefore, all teachers are convinced that the most effective way to teach students is to use different teaching methods, but there is no consensus about which category of students should prefer which method. In general, the methods of education and training are not complicated. They will continue to evolve over time. Various methods can be used to help students gain knowledge, processes, information. Particularly, successful moment is the need to apply a wide range of knowledge and diverse teaching methods, as well as flexibility in teaching and the use of colorful pedagogical methods. The use of various methodologies take into account the abilities of students and their individualities, and these methodologies increase the results of their assimilation.

In conclusion, new teaching methods are improved in the educational organizations through various seminars, trainings, master classes, interactive lessons. Modern methods of organizing lessons by teachers contribute to the deepening of students' consciousness. The aim of training is not only to educate students, but also to develop their abilities and increase their interest in lessons. Thus, all the methods that are used by innovative educational technologies are aimed at providing students with deep knowledge and the development of independent skills.

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