

MIXED EDUCATION AS A MODERN PRODUCT OF ARTIFICIAL INTELLIGENCE

Babakhodjaeva Lobar Gafurdjanovna

Associate Professor of Westminster International University in Tashkent, Independent Researcher of Chirchik State Pedagogical Institute in Tashkent Region. Uzbekistan

ABSTRACT

The article discusses the content and possibilities of blended education, gives scientific views on the models of its implementation and makes clear assumptions about the effectiveness of using blended education in Uzbekistan, which is one of the most popular modern educational technologies.

Key words: blended education, online education, traditional education, information technology, e-learning, informatization of education, innovative technologies.

INTRODUCTION

While the rapid development of human society is a direct product of education, it also has an impact on the quality and effectiveness of education. From this point of view, the current stage of development of educational activities is determined by the priority of information and communication technologies, the effectiveness of improving the traditional forms and methods of approach. With the rapid development of modern society and the rapid penetration of people into the way of life, there is a growing need for maximum quality education with minimal time.

As a result, the principles of organizing the educational process are gradually changing, creating conditions for the implementation of individualized dynamic education. In the organization of this educational process, there is an opportunity to conduct training sessions, taking into account the interests, abilities and level of mastery of each student. It should be noted that regardless of today's form of education (online, offline, hybrid), there are opportunities to use innovative technologies with effective and targeted use of e-learning opportunities. Due to the Covid-19 pandemic, which has become a global problem, education in most countries of the world (economically and socially stable countries) (pre-school education, general secondary education, secondary special education, higher education, postgraduate education and other types of education) The organization is carried out through an emergency distance e-learning system. E-learning is the organization of educational activities through information technology, technical means, which are available in these databases and used in the implementation of educational programs and provide its processing, as well as information and telecommunication networks that provide transmission through communication networks. In this case, the student will be able to read, download and place learning materials developed and posted on the basis of the required science program from the electronic database, independently perform tasks and give feedback (practical training, seminar, independent assignment, etc.). This education has a number of advantages and provides a basis for students to work independently and further develop their creative thinking. Distance learning educational technology, unlike e-learning, is carried out using information and telecommunication networks that have an indirect (distance) interaction between the educator (teacher) and the learner (student, student and listener).

MATERIALS

One of the most popular modern educational technologies today is the mixed education system based on the concept of in-class and out-of-class education, the coordination of e-learning, distance learning and hybrid learning technologies.

Researcher NV Andreeva puts forward scientific and theoretical views on the content and essence of mixed education. includes ". A number of opinions have also been expressed by scholars on the mixed form of education and its advantages. Mixed education is the organization of lectures and practical classes for the majority of students in the classroom and at home on the basis of a formal curriculum in electronic, online form. This training incorporates different methods of integrated learning experience.

Mixed learning is an integrated product of e-learning and traditional learning that has planning and pedagogical significance.

Mixed learning is a method of teaching that combines elements from a variety of sources, in particular face-to-face and e-learning.

In our opinion, mixed education is a modern, mandatory innovative form of education, which should be called a harmonized form of education. The benefits of integrated education include:

- each student (student or listener) will have the opportunity to receive and master the information, information and teaching materials on the subject in a convenient format;
- to meet the knowledge needs of students (students or listeners) with the widespread use of effective teaching methods and to plan and explain the lesson on the basis of logical sequence;
- availability of modern and efficient management tools for the organization of education;
- reduction of training time and financial costs, while maintaining the essence and advantages of the traditional approach;
- availability of continuous enrichment and replenishment of education with the targeted use of innovative technologies;
- Increased exchange of information and social activity of each student (student or listener);
- to form skills and competencies in each student (student or listener) on individual independent work and creative approach;
- the choice of time and place of education, ie the availability of opportunities to learn (learn or study), regardless of time and place;
- the diversity of didactic approaches and the possibility of using any methods of modern pedagogical technology;
- availability of several alternatives and tools to improve the quality of education;
- existence of individual and public control over the quality of lessons;
- the formation of skills and competencies in the use of modern technological means in each student (student or listener) and teacher;
- the ability to work individually with each student (student or listener) or group and organize educational support;
- the breadth of opportunities to change the educational trajectory or reveal mobility;
- Individualization and categorization of reusable online and offline teaching resources;
- harmonization of the situation with educational services within the practical direction of the curriculum;
- the ability to enrich the quality of the educational process and provide the student (student or listener) with material and technical resources related to the topic or subject.

- ability to optimize, design and model the theoretical and practical parts of the topic with the targeted use of computer and educational technologies, as well as the ability to quickly acquaint students with the latest information and data on the topic or science in the world.

Researcher A.V. Loginova emphasizes that the combination of the advantages of distance learning and traditional teaching methods of mixed education gives high results. In particular, face-to-face teaching provides a strong connection between teacher and student. This creates a comfortable learning environment in the learner, a desire to achieve results and a motivation to read. The learning process provides an opportunity for participants to receive quick feedback, discuss materials, and answer questions. Second, mixed education-based learning provides students with a high level of interaction and cooperation, enhances cognitive ability, and develops emotional intelligence. Third, the mixed model of online learning gives students more freedom. This process eliminates issues of time and space, increasing the speed at which they can select and master learning materials. Fourth, the teacher will have more freedom in presenting, monitoring, and evaluating teaching materials, as well as saving time in submitting questions online and checking answer options.

METHODS

In short, the product of the mixed education model is the beginning of the age of artificial intelligence, and despite the existing problems, an effective form of education will remain the true brand of the 21st century education system. Today, teachers and students (students or listeners) have more time and opportunities to master new technologies as the number of online lessons is gradually increasing. In the mixed education model, it is possible to design courses in stages, which does not require fully interactive and multimedia courses. The introduction of mixed education in the educational process allows to overcome a number of problems:

- expanding the opportunities for quality and effectiveness of education, taking into account the individual interests and abilities of students (students or listeners) and the speed and rhythm of learning;
- individualization of the educational process, in which the student (student or listener) independently determines the goals of education, ways to achieve them, taking into account their interests and abilities;
- limiting the human factor and maximizing objectivity in the assessment process in the education system;
- formation of a clear (subject) position in the student (student or listener), development of competence, encouragement of motivation for independent and social activity.

As mixed education, which is becoming a modern form of education, has become popular and to some extent tested, we aimed to conduct a public questionnaire among students and summarize our findings based on its results. The questionnaire involved 210 second and fourth year students. They were asked the following question.

1. Do you acquire enough professional knowledge in the process of traditional education? A) yes; B) no; C) I did not know.

While 45% of participants answered yes, 31% said no, and 24% said they did not know.

2. Does the online learning process meet your knowledge needs? A) yes; B) no; C) I did not know.

38% of the participants answered yes, 46% said no, 16% said they did not know.

3. Does the combined introduction of online and offline education fit your learning position? A) yes; B) no; C) I did not know.

While 78% of participants answered yes, 13% said no, and 9% said they did not know.

RESULTS

Question	Numberofparticipants	YES	NO	I DID NOT KNOW
1	210	45%	31%	24%
2	210	38%	46%	16%
3	210	78%	13%	9%

Based on the results of the survey, we can say that today the full implementation of the elements of mixed education in practice is in the interests of consumers of education.

CONCLUSION

The organization of education by coordinating the existing capabilities of these two forms of education opens the way to the prospects of mixed education. From this point of view, it can be noted that the introduction, development and modernization of the mixed education system is one of the criteria determining the prospects of education.

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