

AJMR

ISSN (Online) : 2278 - 4853

Asian Journal of Multidimensional Research



Published by :
www.tarj.in

Editor-in-Chief : Dr. Esha Jain

Impact Factor : SJIF 2021 = 7.699
Frequency : Monthly
Country : India
Language : English
Start Year : 2012

Published by : www.tarj.in

Indexed/ Listed at : Ulrich's Periodicals
Directory, ProQuest, U.S.A.

E-mail id: tarjjournals@gmail.com

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DOI: 10.5958/2278-4853.2021.00176.2

THE IMPORTANCE OF E-LEARNING AND E-LEARNING RESOURCES IN INDIVIDUALIZED LEARNING

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ABSTRACT

This article presents the importance of e-learning and e-learning resources in individualized education, the experience of foreign countries in the use of e-learning resources in the process of individualization of education, in particular, the experience of countries such as USA, UK, Finland, Australia. In addition, e-learning should include new e-technologies in the process of transferring knowledge and skills, including all methods and tools of education provided by computers and the Internet, web-based e-learning processes: units, computer training, learning through virtual environments and multimedia content, access to text, animation, video and audio streams, e - learning distance learning, distance learning, classroom and extracurricular activities to cover different forms, to work together with different interactive objects, to rely on the electronic environment in modern school teaching and management.

KEYWORDS: Education, School, E-Learning Resources, Individualization Of Education, Foreign Experience, E-Learning, Information And Pedagogical Technologies.

CONCLUSION

In the field of education, as well as in commercial training centers, e-learning continues to complement the traditional full-time option, and in most cases mixed courses remain the most acceptable, as some courses or while ziga are traditionally taught according to their specific characteristics, others are distance-based.

In short, the organization of educational activities on the curricula of general and additional education, taking into account the individual characteristics of students, creating optimal conditions for the realization of the potential of each of them, including the formation of their self-management skills. We can see from the experience of foreign countries that the role of e-learning resources in the individualization of education is enormous, and their use in the educational process serves to increase the quality and effectiveness of education.

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INTRODUCTION

The main goal of state policy in the field of education is to improve the convenience and quality of education that meets the needs of society and each of its citizens. The individualization of teaching is important in achieving this goal and can be effectively achieved in modern conditions through the use of e-learning, including distance learning technologies.

In 2001, a research program called The Teaching and Learning Research Program was launched in the UK, which aimed to identify individual areas of school teaching in the country [7]. The following projects were implemented under this program: "Teaching how to teach" project; Project "Consultation with students on reading and learning"; Extracurricular Education and Knowledge Exchange Project; Interactive Education Project. This project explores ways to improve teaching methods using information and communication technologies.

In the late 1990s, the first information about the elements of individualized education in the Australian education system appeared [6].

At present, information technology is considered as one of the main tools of individualized education in Australia. The integration of information technology and pedagogical methods and practices allows teachers to focus on the needs and capabilities of specific students, their interests, and the most effective teaching practices. Virtual learning environments, online games, simulators, and other similar mobile technologies enable students and teachers to individualize learning opportunities and motivate students to read and monitor their own learning outcomes.

One of the main different forms of individualized education that is widely used in Australian schools is classroom differentiation. The term refers to an approach to education based on the knowledge and skills acquired, rather than pre-designed curricula, with maximum consideration of students' learning abilities in Australian schools [7]. In this case, the concept of "differentiated education" usually has the same meaning as the concept of "individualized education", ie it is synonymous.

MAIN PART

Fuel Education (FuelEd - <http://www.getfueled.com>) is a partner of a number of American schools in order to change the classroom and extracurricular education system and support individualized education. The company offers innovative solutions for school education that help the school successfully implement curricula in the context of mixed and online education. The PEAK (Personalized Learning Platform) platform, developed by FuelEd, simplifies the management of the learning process and allows teachers to create training courses that meet the individual characteristics of students using their own content (<https://peak.k12.com>).

The approach to individualized education proposed by FuelEd consists of the following components: 1) supporting the professional development of the teacher; 2) individual approach to each student and constant support during his/her training; 3) the possibility of integrating the PEAK platform in the coverage of school education systems and information learning environments; 4) educational content, taking into account the abilities, capabilities and motivation of each student; 5) the possibility of placing open educational resources; 6) the ability of teachers to create and work with their own resources in PEAK; 7) access to educational content developed by third-party companies and publishers; 8) use of mobile communication to monitor the results achieved by students; 9) assessment of knowledge based on competence.

Schools using the PEAK platform noted a number of advantages of the individualized approach and, above all, an increase in the learning outcomes of all learners. According to the data, individualized education is not intended for individual students, but for all students at the level of mastering any knowledge. Individualized education helps to increase the level of knowledge of students with low mastery, while students with high level of mastery continue to increase it.

Integrated environments are widely used in U.S. schools, opening up a wide range of opportunities for students to be creative. An example of such an environment or universal learning platform could be the Thinkfinity [5] platform developed in the United States with the support of Verizon, one of the world's largest telecommunications companies. This platform is designed to implement the idea of developing the skills of the XXI century in the American education system, which combines 4K formula, that is, creativity, critical thinking, communication, cooperation. To date, the Thinkfinity education platform includes educational standards for all age groups of students in all U.S. states and schools, and allows students to receive individual education at home, independently, or with parents, as well as during school hours. It is important that platform developers interact with many of their partners on content, on a particular topic that they specialize in.

The concept of development of the public education system of the Republic of Uzbekistan until 2030 includes "improvement of teaching methods, gradual implementation of the principles of individualization in the educational process; introduction of modern information and communication technologies and innovative projects in the field of public education"[1].

E-learning involves all the methods and tools of education provided by new e-technologies, including computers and the Internet, in the process of transferring knowledge and skills. E-learning processes include web-based learning, computer-based learning, learning through virtual environments and multimedia content, and text, animation, video, and audio streaming. E-learning encompasses a variety of forms, such as distance learning, distance learning, classroom and extracurricular activities, and interacts with different types of interactive objects such as a teacher or board.

Modern schools rely on the electronic environment for teaching and learning. In the context of modern informatization of education, there is a process of advancement of computer technology in the primary school curriculum. One of the most important tasks of a modern school teacher is the ability to organize professional activity in an e-learning environment. Computer and information technology help students organize their learning. The use of ICT in higher education allows: to develop students' ability to move in the flow of information in the world around them, to master practical methods of working with information, to develop skills that allow them to exchange information using modern technology; move from the explanatory-illustrative method of teaching to the activity-based method, in which the child becomes an active subject of learning activities. It helps students to consciously absorb knowledge; to increase students' cognitive activity; conducting lessons at a high aesthetic level (music, animation); individual approach to the student through multi-level assignments.

This technology is effective at any stage of the lesson: in the explanation of new material, in consolidation, in the control of the assimilation of past material.

The rapid development of computer technology, as well as software, today places great practical and theoretical demands on teacher training [2].

RESULTS AND DISCUSSION

A teacher who is allowed to use multimedia in the classroom should not think that a miracle will happen when a computer and a projector appear in the classroom. As in any field of practice, there are no miracles in education. In the wrong hands, an effective tool can have the opposite effect, interfering and distracting. When using a computer in a lesson, you really need to know what the goal is and what you need to engage in to accomplish it.

There is always a lot of time spent with the teacher to prepare various tests, cards to diagnose and monitor students' knowledge. With the advent of computer technology, this has ended the problem because you can print the test and scan the completed test case. Test papers are now on every child's desk.

Modern software allows you to use both ready-made programs and programs created by the teacher. You don't have to be a programmer to do this, you just have to have a computer at the user level. Students will be able to use their knowledge and skills in the field of information technology, develop presentations, didactic and educational materials on world mathematics, Russian language and literature.

I think it is a great area of creative ability for anyone who wants to use a computer to teach their students and knows how to work, understands today's children, their needs and interests, loves children and is dedicated to them. .

Data on the popularity of distance education in the center and in the regions are very contradictory. For example, according to the 2019 data of the IT Academy, 75% (i.e. most) of the distance learning students at this academy are from the regions, which makes a lot of sense due to the independence of e-learning from the place of residence. However, according to the latest data from the SDBO, almost half of the students in this distance learning system live in Moscow, St. Petersburg and the Moscow region. Of course, this can be explained by the great potential of the center in terms of Internet access and e-learning.

The rapid growth of the information technology market and the rapid introduction of information technology in many areas, the willingness of enterprises to change, the lack of highly qualified personnel and the educational needs of students in long-distance learning shows their names. IT Co. it is projected that an effective combination of traditional forms of education and recent changes will allow IT to occupy at least 30% of the total volume of education in the distance learning market and up to 75% in some sectors.

The corporate sector, government agencies and retraining centers are the most promising in terms of e-learning. The field of education that unites higher education institutions is also very interesting, although not for basic education (for which full-time education is preferred), but the combined options for implementation full-time students study some subjects remotely training sessions.

In the future, according to experts from the American Association for Educational Research, two-thirds of all classes will be distance-based. Perhaps this forecast should be considered very optimistic, but one thing is certain - e-learning has become a viable alternative in traditional and certain areas, primarily corporate and government, it is clearly preferred because it can be quickly replaced at minimal cost. The only way to learn.