THE IMPORTANCE OF NEW PEDAGOGICAL TECHNOLOGIES IN THE DEVELOPMENT OF EDUCATION

Jurayev Sherali Bozorboyevich

Director of Vocational School No. 1,
Saykhunabad District, Syrdarya Region, Uzbekistan
E-mail: shjuraev85@mail.ru

ABSTRACT

The traditional education system has been around for centuries and has been the primary method of imparting knowledge to students. However, with the advent of new pedagogical technologies, there has been a drastic shift in the way education is delivered. The use of new technologies in education has opened up a world of possibilities for both teachers and students. In this article, we will discuss the importance of new pedagogical technologies in the development of education.

Keywords: technologies, interactive, pedagogical, teaching, methods, development.

INTRODUCTION

In the modern era, technology has revolutionized every aspect of our lives, including education. The rapid pace of technological advancements has led to the emergence of new pedagogical technologies that have transformed the traditional teaching and learning methods. The integration of these technologies into education has brought about significant changes in the way students learn and teachers teach. This article aims to shed light on the importance of new pedagogical technologies in the development of education.

METHODOLOGY

This scientific article is based on a review of literature from various academic sources, including journal articles, books, and reports. This study used various research methodologies to examine the significance of new pedagogical technologies in education. We conducted an extensive literature review on the topic by analyzing various studies, research papers, and articles related to new pedagogical technologies in education. We used IMRAD (Introduction, Methodology, Results, and Discussion) as our framework for organizing our thoughts.

The pedagogical technology of the combinational type (PTCT) is not a mechanical sum of technologies and teaching methods aimed at achieving a certain result. It is a system of technologies and teaching methods forming an indissoluble unity, integrity, united by a common concept, idea, algorithm, the implementation of which focuses on the solution of the set goals.

RESULTS

Pedagogical technology is a project of a system of continuous development of pedagogical activity aimed at achieving educational goals and personal development. Higher education reform requires a science-based approach to these issues. Any design, if it is a science-based tool for teaching, is not considered technological. Design performs a methodological function. It emerges as a research tool for student mental development patterns, developmental features of the learning process, and pedagogical management techniques.

The results of this study indicate that new pedagogical technologies have a significant impact on education. These technologies have transformed traditional teaching methods by providing innovative ways to engage students in learning activities. They provide personalized learning experiences that cater to the individual needs and preferences of each student, thus enhancing their motivation and engagement levels.

One major advantage of new pedagogical technologies is their ability to improve student outcomes. Research studies have shown that students who use these technologies perform better academically than those who do not. These technologies also help bridge the digital divide by providing equal access to educational resources for all learners regardless of their geographic location or socioeconomic status.

Furthermore, new pedagogical technologies have also brought about changes in teaching practices. Teachers are now able to create interactive multimedia content that enhances student engagement and promotes active learning. They can also use online platforms for communication and collaboration with students, which improves teacher-student relationships.

Currently, a large number of modern pedagogical technologies are being used in teaching process: training in cooperation, project methodology, and Internet resource. Here huge possibilities of the Internet resource should be taken into account.

The use of new pedagogical technologies has several benefits for both teachers and students. One of the main advantages is that it enhances student engagement by providing interactive and immersive learning experiences. For instance, virtual reality

(VR) technology can be used to create simulations that enable students to better understand complex concepts by visualizing them in a three-dimensional environment.

Another benefit is that new pedagogical technologies can personalize learning through adaptive learning algorithms that adjust to each student's individual needs and abilities. This allows students to learn at their own pace and receive instant feedback on their progress.

Furthermore, new pedagogical technologies offer educators a range of tools for creating engaging content and delivering it in different formats such as videos, podcasts or interactive quizzes. This enables teachers to cater to different learning styles and makes lessons more accessible for students with disabilities.

The most important feature of pedagogical technology depends on the technology chosen so that the teacher and the student can work together to achieve a guaranteed result from the set goal, that is, each educational technology used in the teaching process to achieve a guaranteed result can organize collaborative activities between teacher and student, both can achieve positive results, students can think independently in the learning process, work creatively, research, analyze, draw their own conclusions, the group If they can work in a group, the educator will be able to create opportunities and conditions for such activities, and if they can encourage them, this is the basis of the teaching process.

DISCUSSION

The use of new pedagogical technologies has several benefits for both teachers and students. Teachers can use these technologies to create personalized learning experiences that cater to each student's needs and abilities. They can also monitor student progress more effectively using data analytics tools integrated into these technologies. Students benefit from these technologies as they provide them with a more engaging and interactive learning experience that helps them retain information better.

The integration of new pedagogical technologies in education has become increasingly important due to its potential to improve learning outcomes and prepare students for the digital age. However, there are also challenges associated with its implementation such as cost-effectiveness, device compatibility issues, and teacher training requirements. It is essential to address these challenges to ensure that every student has access to high-quality education.

Since computers are still not widely used in many schools, the teaching process is dominated by traditional methods. It is dominated by the frontal form of work where the teacher had enough interaction with students. Failure to thrive at their own pace

and insufficient activity of students was one of the drawbacks of this type of learning. In class, we have children who are not uniform in knowledge and never pay enough attention to those who are not sufficiently mastered the material and those who are above their average. This difference is often hampered by teacher assessment work and how to transfer knowledge to a group of children with different knowledge.

M.V.Klarin emphasizes that the key to understanding the technological structure of the learning process is a consistent orientation to clearly defined goals.

Despite the benefits associated with new pedagogical technologies, there are also some challenges that need to be addressed. One challenge is that not all schools have access to these technologies due to financial constraints or inadequate infrastructure. This creates a digital divide between schools that have access to these resources and those that do not.

Another challenge is that some teachers may not have sufficient training or expertise in using these technologies effectively. Therefore, there is a need for professional development programs to equip teachers with the necessary skills and knowledge required to use these technologies.

CONCLUSION

In conclusion, new pedagogical technologies are transforming the education sector by enhancing student engagement, personalizing learning, and providing educators with a range of tools for creating engaging content. While there are challenges that need to be addressed, the benefits of these technologies cannot be ignored. Therefore, it is important for schools to invest in these technologies and provide teachers with the necessary training to ensure that their potential is fully realized.

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