

PAPER

NEW METHODS OF MODERN PEDAGOGICAL TEACHING

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Abstract

This article looks at how analyzes modern pedagogical technologies and their role in the educational process. Traditional teaching methods are compared with modern innovative technologies, and the effectiveness of interactive approaches is highlighted based on statistical data. The advantages and practical application of new methods such as e-learning, game-based learning, problem-based learning, and flipped classroom are also discussed. The article also contains scientific and practical recommendations for the introduction of modern teaching methods.

Key words: pedagogical technologies, interactive education, modern methods, e-learning, gamification, problem-based learning, flipped classroom model, educational innovations, artificial intelligence, adaptive learning, blockchain technology, AR/VR.

Introduction

Today, the education sector is developing rapidly, and new technologies are being introduced into teaching methodologies. Traditional teaching methods are being adapted to modern requirements and opportunities, and the efficiency of students' learning process is being increased through innovative approaches. This article discusses modern pedagogical technologies, their advantages and methods of application.

New Modern Pedagogical Tethnologies

1. Education based on artificial intelligence (AI)

- Personalized learning using AI;
- Identification of students' strengths and weaknesses;
- Automated tutoring systems using AI.

2. Adaptive learning systems

- Creating curricula that meet the individual needs of each student;
- Dynamically changing learning content;
- Real-time monitoring of the learning process.

3. Blockchain technology in education

- Safe storage of diplomas and certificates;
- Increasing transparency in the educational process;

- Preventing falsification of academic data.

4. Virtual and Augmented Reality (VR/AR) Technologies

- Creating a realistic learning environment for students;
- Visually explaining complex topics;
- Testing practical experiences in a safe environment.

The importance of modern pedagogical technologies

Pedagogical technologies are of great importance for the effective organization of the educational process. Modern pedagogical approaches have the following advantages:

- Increases student activity;
- Develops independent thinking;
- Makes the educational process interactive;
- Creates the possibility of an individual approach.

Statistical data In recent years, student results have significantly improved in schools and universities where interactive teaching methods have been introduced. The following table is an example:

Instructional Method	Students' Level of Learning (%)
Traditional Learning	65%
Interactive Methods	85%
Distance Learning	78%
Game-Based Learning	82%
Artificial Intelligence-Based Learning	90%
VR/AR Learning	88%

Conclusion

Today's education system is being transformed by modern pedagogical technologies. Innovations such as artificial intelligence, virtual reality, blockchain, and adaptive learning systems are making the learning process interactive, personalized, and effective. These approaches not only accelerate students' learning, but also encourage independent research and critical thinking. In the future, these technologies are expected to develop and be widely used in education. Therefore, it is important for teachers and educational institutions to be proactive in implementing new methods.

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