INTEGRATION OF MODERN INFORMATION AND COMMUNICATION TECHNOLOGIES AND ARTIFICIAL INTELLIGENCE INTO FOREIGN LANGUAGE EDUCATION: METHODOLOGICAL APPROACHES

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Anotatsiya: *So'nggi yillarda texnologiyalar, ayniqsa zamonaviy axborot-kommunikatsion texnologiyalar (AKT) va sun'iy intellekt (AI), ta'lim sohasida katta o'zgarishlarga sabab bo'ldi. Ushbu maqolada xorijiy tillarni o'qitishda AKT va AI texnologiyalarining metodik jihatlari, ularning o'quvchilarning til o'rganish ko'nikmalariga ta'siri va samaradorligi tahlil qilinadi. AI texnologiyalari yordamida o'quvchilarga interaktiv darslar, individual yondashuv va turli mashg'ulotlarni amalga oshirish imkoniyatlari yaratilib, o'qitish jarayonini samarali tashkil etish mumkin. Zamonaviy texnologiyalar o'quvchilarning mustaqil o'rganish ko'nikmalarini rivojlantirishda, shuningdek, yozish, gapirish, talaffuz va eshitish ko'nikmalarini takomillashtirishda muhim ahamiyat kasb etadi.*

Kalit so'zlar: *Zamonaviy axborot-kommunikatsion texnologiyalar (AKT), Sun'iy intellekt (AI), Xorijiy tillar, Interaktiv darslar, Yozish ko'nikmalari, Gapirish ko'nikmalari, Talaffuz, Eshitish ko'nikmalari, Ta'lim texnologiyalari, Adaptiv ta'lim tizimlari, Multimedia resurslar, Onlayn ta'lim platformalari.*

Annotation: *Artificial intelligence (AI) and modern information and communication technologies (ICT) in particular have brought about major developments in the field of education in recent years. The influence and efficacy of ICT and AI technologies in enhancing students' language learning abilities are examined in this article, along with the methodological aspects of their use in foreign language instruction. AI technologies enable the teaching process to be more effectively structured while providing students with a range of learning activities, personalized methods, and interactive sessions. Contemporary technology are essential for developing students' capacity for self-directed learning as well as for enhancing their speaking, writing, listening, and pronunciation skills.*

Keywords: *Artificial Intelligence (AI), Foreign Languages, Interactive Lessons, Writing, Speaking, Pronunciation, Listening, Educational Technologies, Adaptive*

Learning Systems, Multimedia Resources, Online Learning Platforms, Modern Information and Communication Technologies (ICT).

The rapid advancement of technology in recent years has significantly impacted the field of education. In particular, the integration of modern Information and Communication Technologies (ICT) and Artificial Intelligence (AI) has fundamentally transformed the process of teaching and learning foreign languages. These technologies not only make the educational process interactive and engaging but also serve to enhance students' activity, comprehension, and overall effectiveness.

ICT tools offer a variety of multimedia resources, digital platforms, and interactive learning systems, enabling a more efficient organization of the language learning process. Artificial intelligence, on the other hand, provides advanced capabilities such as shaping individual learning approaches, speech recognition, real-time text translation, and organizing interactive activities. The application of gamification through AI can further motivate language learners to study more actively and purposefully. As education undergoes digital transformation, it is crucial to study the methodological aspects of effectively utilizing these technologies. This article aims to analyze how ICT and AI can be methodologically integrated into foreign language education to enhance students' activity, comprehension, and overall effectiveness.

The renowned philosopher L. Wittgenstein emphasized the role of language in shaping human thought and worldview, stating: "The limits of my language mean the limits of my world." Modern technologies are the key to expanding these limits. This perspective reveals the importance of integrating Information and Communication Technologies (ICT) and Artificial Intelligence (AI) in the modern educational process.

Language is not only the primary means of cultural consciousness but also a crucial factor in shaping human thought and worldview. Modern ICT and AI technologies are considered one of the advanced tools that serve to make the language learning process more effective. Artificial intelligence technologies provide opportunities such as shaping individual learning paths, speech recognition, real-time text translation, as well as organizing interactive activities (Kahoot, Quiz tests).

Today, ICT tools in foreign language teaching – including multimedia materials, electronic textbooks, interactive whiteboards, mobile applications, and online learning platforms – are regarded as an integral and functional component of the educational process. The effective use of these tools enables the development of students' language learning skills and the improvement of methodological approaches.Therefore, it is important to scientifically analyze the integration of ICT and AI technologies into education, assess their pedagogical effectiveness, and develop innovative methods.

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Therefore, it is important to scientifically analyze the integration of ICT and AI technologies into education, assess their pedagogical effectiveness, and develop innovative methods.The Impact of Information and Communication Technologies on Foreign Language Education.ICT tools enable the application of modern methodological approaches in foreign language teaching. These technologies enrich the educational process through multimedia materials, electronic textbooks, interactive whiteboards, mobile applications, and online learning platforms.

2.1. Using Audio and Video Materials-Audio and video materials play an important role in developing listening, pronunciation, and comprehension skills. This methodological approach includes the following aspects:

Using Foreign Language Audio and Video Resources: Students improve their comprehension and pronunciation skills by watching videos with or without subtitles.

Developing Articulatory Skills: The opportunity is created to work on intonation, phonetics, and pronunciation through audio materials.

2.2. Organizing Activities Using Virtual Platforms

In distance learning, virtual platforms such as Google Classroom, Zoom, and Moodle enable the organization of interactive and personalized learning. Through these platforms:

Real-time communication is possible.

Interactive tasks can be performed.

Increased student participation is achievable.

2.3. Gamified Approaches

Organizing the language learning process through interactive applications such as Quizlet, Kahoot, and Wordwall creates a motivational and competitive environment. This allows students to consolidate their knowledge and leave a positive impression.

3. Methodological Approaches of Artificial Intelligence Tools

Technologies based on artificial intelligence enable the implementation of innovative approaches in the educational process. AI tools create educational environments tailored to students' needs and expand interactive exploration opportunities.

3.1. Adaptive Learning Systems

Adaptive programs powered by AI platforms offer education tailored to each student's level of knowledge. For example:

Duolingo and Linguist – Adapt lessons based on students' level of mastery.

AI-based testing systems – Students can assess their knowledge level and identify their shortcomings.

The integration of ICT and AI tools into education increases students' independent language learning skills, active participation in interactive lessons, and enhances educational effectiveness.

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Speech Recognition Programs

AI-based applications such as Else Speak and Speechling help develop pronunciation and phonetic skills. These tools:

Perform automatic speech analysis.

Identify pronunciation errors.

Provide recommendations for correct pronunciation.

These methodological approaches serve to increase students' activity, comprehension, and overall effectiveness and are becoming an integral part of the modern educational process.

"AI writing technologies provide students with clear editing and improvement feedback, which helps them develop their writing skills." — Wale, A. (2024).

According to research conducted by Wale, writing technologies using artificial intelligence (AI), including platforms like Writerly and Google Docs, can be used to

develop writing skills for students learning a language. In the study, language learners performed various writing exercises using AI tools. They were even able to check the grammatical correctness of their AI-written texts, word usage styles, text size, length, clarity and expressiveness of thought, and stylistic correctness.

Indeed, modern Information and Communication Technologies (ICT) and Artificial Intelligence (AI) are extremely effective tools for foreign language learners. Because students can effectively improve their writing, speaking, pronunciation, and listening skills by using these technologies.

According to research conducted by H. Sadiq, modern Information and Communication Technologies (ICT) and Artificial Intelligence (AI) are innovative tools for language learners, increasing students' independent language learning skills. Students can learn languages individually using AI tools. This platform not only helps students learn languages but also helps them participate in various interactive lessons, analyze them, and reflect on them.

Information and communication technologies and artificial intelligence tools help organize the foreign language learning process in an interactive, personalized, and innovative way. While ICT tools increase educational effectiveness through audio and video materials, virtual platforms, and gamified approaches, AI technologies offer an individual approach through adaptive learning systems and speech recognition programs. The integration of ICT and AI tools into education increases students' independent language learning skills, active participation in interactive lessons, and enhances educational effectiveness.

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