

## MODERN APPROACHES TO THE USE OF INFORMATION TECHNOLOGIES IN TEACHING LINGUISTICS

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**ABSTRACT:** This article examines modern approaches to the use of information technologies in teaching linguistics. It covers various aspects of the integration of information technologies into the educational process, including the use of computer programs, online resources and virtual learning platforms. The article analyzes the advantages and challenges associated with the use of information technologies in teaching linguistics, and also provides examples of modern innovative teaching methods, including machine learning, artificial intelligence and text analysis tools. Based on literary research and practical experience, the article identifies the prospects and future development of the field of linguistics teaching using information technologies, paying attention to their role in improving the effectiveness of education and promoting innovative teaching methods in this discipline.

**KEYWORDS:** Information technologies, teaching linguistics, modern approaches, educational technologies, machine learning, artificial intelligence, virtual learning platforms, text analysis, innovations in education.

### INTRODUCTION

With the advent of information technology in the field of education, our idea of how teaching the art of language can be improved has revolutionized. Modern approaches to the use of information technologies open up new horizons for teachers and students, providing unique tools and methods for more effective and interesting teaching of linguistics[1]. In this article, we will look at what trends exist in the use of information technology in linguistic education and how they affect the learning process.

In the modern world, information technologies penetrate into all spheres of our life, including education. They open up new opportunities and horizons for students and teachers, especially in the field of linguistics. With the use of modern approaches to information technology in teaching linguistics, students can learn and develop their skills in language learning and analysis of linguistic phenomena more effectively. In this article we will look at what modern technologies and methods are used in teaching linguistics and what advantages they bring. With the advent of the Internet, students have gained access to a huge number of online resources and courses in linguistics. Platforms such as Coursera, edX, Duolingo, and Khan Academy provide the opportunity to study languages and linguistic sciences from anywhere in the world. This is

convenient for students who can independently choose the level of difficulty and the topics they want to focus on.

Mobile apps have become indispensable tools for learning and practicing languages. They offer lessons, games, and even speech recognition features that help students develop listening and speaking skills. Applications such as Duolingo, Memrise, and Rosetta Stone provide interactive teaching methods and motivational reward systems that make learning more fun and effective. With the use of information technology, linguistics students can conduct a deeper analysis of texts and language data. Text analysis programs such as R and Python allow students to process large amounts of textual information and conduct corpus research. These tools help students understand linguistic phenomena and linguistic patterns at a deeper level. Artificial intelligence and natural language processing (NLP) technologies are actively used in linguistics. Automatic translation systems, text tonality analysis, and even language learning bots are created using NLP. Students can study how these systems work and apply their knowledge in various fields, including translation and text analysis.

1. Interactive online courses. Online learning has become an integral part of modern education. Interactive online courses in linguistics provide students with access to educational materials, including video lectures, exercises and tests, at any time convenient for them. This allows students to learn a language regardless of their location and schedule, which makes learning more accessible and flexible.
2. Machine learning and artificial intelligence. Machine learning and artificial intelligence have become indispensable tools in linguistic education[2]. Machine translation and text analysis systems help students understand language features, improving reading and text comprehension skills. In addition, applications with artificial intelligence contribute to the automatic verification of grammatical and stylistic errors, which helps students improve their writing skills.
3. Multimedia resources. Information technologies have also expanded access to multimedia resources, which has significantly enriched the teaching of linguistics. Video materials, audio recordings, animations and interactive maps allow students to better understand the cultural and linguistic aspects of the language[3]. It also helps to develop listening and pronunciation skills.
4. Networking and exchange. Social networks and online communities create opportunities for students to communicate and share knowledge with native speakers and other students around the world. Such platforms contribute to the practice of language in real situations, which enhances language competence and cultural understanding.
5. Data analysis and statistics. Information technologies also provide opportunities for data analysis and statistics in linguistic research[4]. With the help of specialized programs and teaching methods, students can study language structures, linguistic trends and changes in the language based on real data.

## CONCLUSION

Modern approaches to the use of information technologies in teaching linguistics significantly expand the horizons of students and teachers, making the learning process more interesting and

effective. Interactive online courses, machine learning, multimedia resources, networking and data analysis - all these innovations contribute to a deeper understanding of language and linguistic phenomena. With the development of information technologies, linguistic education becomes more accessible, effective and inspiring for everyone who seeks to master the art of language.

## REFERENCES

1. Anderson, T., & Dron, J. (2011). Three generations of distance education pedagogy. *International Review of Research in Open and Distributed Learning*, 12(3), 80-97.
2. Warschauer, M., & Healey, D. (1998). Computers and language learning: An overview. *Language Teaching*, 31(02), 57-71.
3. Hubbard, P. (2008). Computer-assisted language learning: From vision to reality? *Language Teaching*, 41(1), 45-63.
4. Chinnery, G. M. (2006). Emerging technologies: Going to the MALL. In J. P. Lantolf (Ed.), *Sociocultural theory and second language learning* (pp. 165-180). Oxford University Press.