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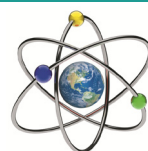
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- 13.00.00 Pedagogika fanlari
- 13.00.01 Pedagogika nazariyasi. Pedagogik ta'limotlar tarixi
- 13.00.02 Ta'lim va tarbiya nazariyasi va metodikasi (sohalar bo'yicha)
- 13.00.03 Maxsus pedagogika
- 13.00.04 Jismoniy tarbiya va sport mashg'ulotlari nazariyasi va metodikasi
- 13.00.05 Kasb-hunar ta'limi nazariyasi va metodikasi
- 13.00.06 Elektron ta'lim nazariyasi va metodikasi (ta'lim sohaları va bosqichlari bo'yicha)
- 13.00.07 Ta'limda menejment
- 13.00.08 Maktabgacha ta'lim va tarbiya nazariyasi va metodikasi
- 13.00.09 Ijtimoiy pedagogika
- 07.00.00 Tarix fanlari
- 19.00.00 Psixologiya fanlari
- 01.00.00 Fizika-matematika fanlari
- 02.00.00 Kimyo fanlari
- 03.00.00 Biologiya fanlari
- 09.00.00 Falsafa fanlari
- 10.00.00 Filologiya fanlari
- 11.00.00 Geografiya fanlari

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THE ROLE OF ARTIFICIAL INTELLIGENCE IN CREATING INTERACTIVE METHODS IN ENGLISH

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UZSWLU, Tashkent Uzbekistan

Abstract: This article discusses the role and pedagogical significance of artificial intelligence technologies in the formation of interactive methods in teaching English. In the modern educational process, artificial intelligence tools play an important role in organizing education, taking into account the individual characteristics of students, increasing their activity in the lesson, and developing their communicative competence. The study analyzes the types of interactive methods created on the basis of artificial intelligence, their practical application and effectiveness. The advantages and some limitations of these technologies in the education system are also discussed.

Key words: artificial intelligence, interactive methods, English language teaching, educational technologies, communicative approach, digital education.

Annotatsiya: Ushbu maqolada ingliz tilini o'qitishda interaktiv metodlarni shakllantirishda sun'iy intellekt texnologiyalarining roli va pedagogik ahamiyati muhokama qilinadi. Zamonaviy ta'lim jarayonida sun'iy intellekt vositalari o'quvchilarning individual xususiyatlarini hisobga olgan holda ta'limni tashkil etish, ularning darsdagi faolligini oshirish va kommunikativ kompetensiyasini rivojlantirishda muhim rol o'ynaydi. Tadqiqotda sun'iy intellekt asosida yaratilgan interaktiv metodlarning turlari, ularning amaliy qo'llanilishi va samaradorligi tahlil qilinadi. Shuningdek, ushbu texnologiyalarning ta'lim tizimidagi afzalliklari va ayrim cheklovlari ham muhokama qilinadi.

Kalit so'zlar: sun'iy intellekt, interaktiv metodlar, ingliz tilini o'qitish, ta'lim texnologiyalari, kommunikativ yondashuv, raqamli ta'lim.

Аннотация: В данной статье рассматриваются роль и педагогическое значение технологий искусственного интеллекта в формировании интерактивных методов обучения английскому языку. В современном образовательном процессе инструменты искусственного интеллекта играют важную роль в организации обучения с учётом индивидуальных особенностей учащихся, повышении их активности на уроке и развитии коммуникативной компетенции. В исследовании анализируются виды интерактивных методов, созданных на основе искусственного интеллекта, их практическое применение и эффективность. Также обсуждаются преимущества и некоторые ограничения этих технологий в системе образования.

Ключевые слова: искусственный интеллект, интерактивные методы, обучение английскому языку, образовательные технологии, коммуникативный подход, цифровое образование.

INTRODUCTION

In the current globalization era, effective teaching of English is one of the priorities of the modern education system. Traditional teaching methods are often focused on the transfer of knowledge, forming students as passive recipients. However, modern pedagogy requires approaches based on active participation, independent thinking, and communication. In this regard, interactive methods are widely used as an effective tool in teaching English.

In recent years, the rapid development of artificial intelligence technologies has led to fundamental changes in the field of education. With the help of these technologies, it has become possible to organize the learning process in a more flexible, individualized, and interesting way. In particular, in teaching English, artificial intelligence is becoming an important tool in creating and improving interactive methods. The main purpose of this article is to scientifically analyze the role of artificial intelligence in creating interactive methods in English and to demonstrate its practical capabilities.



LITERATURE REVIEW

The integration of artificial intelligence (AI) into education has attracted significant attention from researchers in recent years. Numerous studies have emphasized the potential of AI technologies to improve teaching effectiveness, personalize learning experiences, and enhance student engagement. In the field of English language teaching, AI-based tools have become increasingly important for supporting interactive and learner-centered instructional approaches.

Ellis (2009) highlighted the importance of communicative and task-based approaches in language learning, emphasizing that active participation and meaningful interaction contribute significantly to language acquisition. Similarly, Skehan (1996) argued that interactive activities encourage learners to develop communicative competence through authentic language use and problem-solving tasks.

Recent studies on artificial intelligence in education have demonstrated its effectiveness in supporting personalized learning. Luckin et al. (2016) noted that AI technologies can analyze learners' performance and provide adaptive learning opportunities tailored to individual needs. According to Holmes et al. (2019), artificial intelligence has the potential to transform educational environments by offering intelligent tutoring systems, automated assessment tools, and personalized feedback mechanisms.

Researchers have also examined the role of AI in language learning. AI-powered chatbots, virtual assistants, and speech recognition systems provide learners with opportunities to practice speaking skills in interactive environments. These technologies enable immediate feedback, increase learner motivation, and support the development of communicative competence. Furthermore, automated writing evaluation systems help learners improve their grammatical accuracy and writing performance.

Despite these advantages, several scholars have identified challenges associated with the implementation of artificial intelligence in education. Issues such as technological infrastructure, teacher preparedness, data privacy, and ethical concerns remain important factors influencing the successful integration of AI into teaching and learning processes.

The analysis of existing literature indicates that artificial intelligence can significantly enhance interactive methods in English language teaching. However, further research is needed to explore effective strategies for integrating AI technologies into classroom practice while ensuring pedagogical effectiveness and ethical responsibility.

RESEARCH METHODOLOGY

This study employed a qualitative and descriptive research approach to examine the role of artificial intelligence in creating interactive methods for English language teaching. The research was based on the analysis of scientific literature, educational resources, and recent studies related to artificial intelligence, educational technologies, and language teaching methodologies.

Several research methods were used during the study, including literature analysis, comparative analysis, and content analysis. Scientific publications, books, journal articles, and reports focusing on artificial intelligence in education were reviewed and evaluated. Particular attention was given to studies discussing AI-based learning platforms, intelligent tutoring systems, chatbots, speech recognition technologies, and gamification tools used in English language instruction.

The comparative analysis method was applied to identify the advantages and limitations of traditional interactive teaching methods and AI-supported interactive approaches. In addition, content analysis was used to examine the pedagogical features and practical applications of artificial intelligence technologies in English language classrooms.

The study also investigated the potential impact of AI tools on learners' communicative competence, speaking and writing skills, motivation, and engagement. The collected information was systematically analyzed to determine how artificial intelligence contributes to the effectiveness of interactive teaching methods and supports personalized learning in English language education.

The findings obtained through these research methods provided a theoretical basis for evaluating the educational benefits and challenges associated with the integration of artificial intelligence into English language teaching.

ANALYSIS AND RESULTS

Interactive methods are aimed at ensuring the active participation of students in the educational process and are built on the basis of dialogue, cooperation, and problem-solving. Such methods develop not only students' language skills but also their thinking, analytical abilities, and communication skills. Interactive methods are especially important in learning English, since the language learning process is directly related to communication.

Artificial intelligence is taking these interactive methods to a new level. Educational tools created using AI technologies determine the level of knowledge of students and offer them appropriate tasks. This allows educators to individualize the educational process. For example, AI-based platforms identify student mistakes and provide immediate analytical feedback. The use of artificial intelligence in teaching English is especially effective in developing speaking skills. Through AI-based chatbots, students have the opportunity to have conversations in conditions close to real communication.

Also, with the help of such technologies, students' speech activity increases through role-playing games and interactive exercises. Artificial intelligence also plays an important role in the development of written speech. With the help of AI tools, students' written work is automatically checked, and recommendations are given for grammatical, lexical, and logical errors. In addition, artificial intelligence is also an effective tool for introducing gamification elements into the educational process. As a result, the learning process becomes not only effective but also interesting. At the same time, the use of artificial intelligence also creates some problems. For example, insufficient technological infrastructure or insufficient skills of teachers in using AI tools can limit this process.

Interactive methods are aimed at ensuring the active participation of students in the educational process and are built on the basis of dialogue, cooperation, and problem-solving. Such methods develop not only students' language skills but also their critical thinking, analytical abilities, and communication skills. Interactive methods are especially important in learning English since the language learning process is directly related to communication and practical language use.

Artificial intelligence is taking these interactive methods to a new level. Educational tools created using AI technologies determine the level of knowledge of students and offer them appropriate tasks. This allows educators to individualize the educational process and address learners' specific needs. For example, AI-based platforms identify student mistakes and provide immediate analytical feedback, helping learners improve their performance more effectively. The use of artificial intelligence in teaching English is especially effective in developing speaking skills. Through AI-based chatbots and virtual assistants, students have the opportunity to engage in conversations in conditions close to real-life communication. These tools provide learners with a safe environment to practice speaking without fear of making mistakes. In addition, AI-powered speech recognition technologies help students improve their pronunciation, fluency, and overall speaking confidence.

AI technologies also increase students' speech activity through role-playing games, simulations, and interactive exercises. Such activities encourage learners to participate actively in classroom discussions and collaborative tasks. Furthermore, artificial intelligence plays an important role in the development of writing skills. With the help of AI tools, students' written work can be automatically assessed, and recommendations can be provided for grammatical, lexical, stylistic, and logical errors. This allows learners to receive immediate feedback and continuously improve their writing performance. Another significant advantage of artificial intelligence is its ability to support personalized learning. By analyzing students' learning styles, progress, and performance data, AI systems can provide customized learning materials and exercises. As a result, each learner receives instruction that matches their individual abilities and learning pace, leading to more effective outcomes. Artificial intelligence is also an effective tool for introducing gamification elements into the educational process. Features such as points, badges, rewards, progress tracking, and interactive challenges increase students' motivation and engagement. Consequently, the learning process becomes not only more effective but also more enjoyable and attractive for learners.

In addition to supporting students, AI technologies assist teachers in lesson planning, assessment, and monitoring learner progress. By automating routine administrative tasks, artificial intelligence enables teachers to devote more time to creative teaching methods and meaningful interactions with students. This contributes to improving the overall quality of education.

However, the use of artificial intelligence in education also presents certain challenges. For example, insufficient technological infrastructure, limited access to digital devices, and inadequate teacher training in AI tools can restrict the successful implementation of these technologies. Moreover, concerns related to data privacy, information security, and the ethical use of artificial intelligence should be carefully addressed to ensure responsible and transparent use in educational settings.

Overall, artificial intelligence has significant potential to transform English language teaching by making learning more interactive, personalized, and effective. With the continued advancement of AI technologies, intelligent tutoring systems, virtual learning assistants, and immersive educational environments are expected to play an increasingly important role in the future of English language education.



CONCLUSION

In conclusion, artificial intelligence is an important tool for creating interactive methods in teaching English. It creates great opportunities for individualizing the educational process, increasing student engagement, and developing communicative competence. In the future, these technologies will be further improved and will serve to improve the quality of education.

Despite certain challenges related to technological infrastructure, teacher training, and data privacy, the benefits of artificial intelligence in education significantly outweigh its limitations. The effective integration of AI into English language teaching can make learning more interactive, motivating, and learner-centered. Therefore, educational institutions should promote the responsible use of AI technologies and provide adequate support for both teachers and students. In the future, these technologies will continue to develop and contribute to improving the quality of education. The emergence of more advanced intelligent tutoring systems, virtual assistants, and adaptive learning platforms is expected to enhance language learning outcomes and make English education more accessible, efficient, and engaging for learners worldwide.

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- 13.00.00 Pedagogika fanlari
 - 13.00.01 Pedagogika nazariyasi. Pedagogik ta'limotlar tarixi
 - 13.00.02 Ta'lim va tarbiya nazariyasi va metodikasi (sohalar bo'yicha)
 - 13.00.03 Maxsus pedagogika
 - 13.00.04 Jismoniy tarbiya va sport mashg'ulotlari nazariyasi va metodikasi
 - 13.00.05 Kasb-hunar ta'limi nazariyasi va metodikasi
 - 13.00.06 Elektron ta'lim nazariyasi va metodikasi (ta'lim sohaları va bosqichlari bo'yicha)
 - 13.00.07 Ta'limda menejment
 - 13.00.08 Maktabgacha ta'lim va tarbiya nazariyasi va metodikasi
 - 13.00.09 Ijtimoiy pedagogika
 - 07.00.00 Tarix fanlari
 - 19.00.00 Psixologiya fanlari
 - 01.00.00 Fizika-matematika fanlari
 - 02.00.00 Kimyo fanlari
 - 03.00.00 Biologiya fanlari
 - 09.00.00 Falsafa fanlari
 - 10.00.00 Filologiya fanlari
 - 11.00.00 Geografiya fanlari



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