

## THE ROLE OF ARTIFICIAL INTELLIGENCE IN TEACHING ENGLISH IN HIGHER EDUCATION

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**Annotatsiya:** Mazkur ilmiy maqolada oliy ta'lim muassasalarida ingliz tilini o'qitish jarayonida sun'iy intellekt (SI) texnologiyalaridan foydalanishning nazariy va amaliy jihatlari tahlil qilinadi. Sun'iy intellekt asosidagi platformalar, moslashtirilgan o'quv dasturlari, nutqni aniqlash tizimlari hamda chatbotlarning talabalarning lingvistik va kommunikativ kompetensiyalarini rivojlantirishdagi o'rni yoritiladi. Tadqiqot natijalari SI texnologiyalari oliy ta'limda ingliz tilini o'rganishni shaxsiylashtirish, samaradorligini oshirish va mustaqil ta'limni qo'llab-quvvatlashda muhim vosita ekanini ko'rsatadi.

**Kalit so'zlar:** sun'iy intellekt, ingliz tili, oliy ta'lim, xorijiy tillarni o'qitish, raqamli ta'lim.

**Annotation:** This scientific article analyzes the theoretical and practical aspects of using artificial intelligence (AI) technologies in teaching English within the context of higher education institutions. The role of AI-based platforms, adaptive learning systems, speech recognition technologies, and chatbots in developing students' linguistic and communicative competences is examined. The findings indicate that artificial intelligence significantly enhances personalized learning, improves learning efficiency, and supports autonomous language acquisition in higher education.

**Keywords:** artificial intelligence, English language, higher education, foreign language teaching, digital education.

**Аннотация:** В данной научной статье рассматриваются теоретические и практические аспекты использования технологий искусственного интеллекта (ИИ) в обучении английскому языку в условиях высшего образования. Анализируется роль платформ на основе ИИ, адаптивных образовательных программ, систем распознавания речи и чат-ботов в развитии языковой и коммуникативной компетенции студентов. Результаты исследования показывают, что искусственный интеллект способствует персонализации обучения, повышению его эффективности и поддержке самостоятельного изучения английского языка в вузах.

**Ключевые слова:** искусственный интеллект, английский язык, высшее образование, преподавание иностранных языков, цифровое образование.

In today's globalized world, proficiency in the English language is widely recognized as an essential professional and academic competence for graduates of higher education institutions. English serves as the primary language of international communication, science, and technology, making it indispensable for participation in global academic cooperation, international research projects, and academic exchange programs. Furthermore, access to up-to-date foreign academic literature, participation in international conferences, and publication in high-impact journals increasingly require a high level of English proficiency. In the context of the global labor market, English language skills significantly enhance graduates' employability and professional mobility.

However, despite its importance, effective English language instruction in higher education remains a challenging task. One of the key difficulties lies in the heterogeneity of student populations: learners differ in their prior knowledge, cognitive abilities, learning pace, motivation, and professional goals. As a result, traditional teacher-centered instructional approaches, which often rely on uniform curricula and standardized teaching methods, do not always meet learners' diverse needs or lead to optimal learning outcomes. This discrepancy highlights the necessity of adopting innovative pedagogical solutions that can accommodate individual differences and promote more effective learning.

From this perspective, the integration of artificial intelligence (AI) technologies into the process of teaching English has emerged as one of the most pressing and promising developments in higher education. AI-based approaches have the potential to transform conventional teaching practices by enhancing instructional efficiency, improving learning outcomes, and supporting the transition toward a student-centered learning model. By leveraging data-driven analysis and intelligent algorithms, AI contributes to improving the overall quality of education and aligning instructional processes with learners' individual needs.

Artificial intelligence enables comprehensive analysis of the learning process, accurate assessment of students' language proficiency levels, and the design of individualized learning trajectories in higher education. In English language instruction, AI effectively performs several key functions. These include the automatic diagnosis of students' language competence, which allows instructors to identify strengths and weaknesses in grammar, vocabulary, reading, writing, listening, and speaking skills. In addition, AI systems deliver personalized and adaptive learning materials that correspond to each learner's proficiency level and learning objectives. Such systems also support the development of academic and professional English skills, while fostering independent learning competencies by encouraging self-regulated and autonomous study.

AI-based online platforms and digital learning environments are increasingly being implemented in higher education institutions worldwide. These platforms provide students with flexible and interactive opportunities to learn English for academic and professional purposes, both inside and outside the classroom. AI-driven systems continuously monitor learners' progress and automatically adjust the complexity, pace, and type of tasks based on individual performance and learning outcomes. This adaptive mechanism not only increases learning efficiency but also enhances student motivation and engagement.

Speech recognition technologies play a particularly significant role in developing students' academic speaking skills in higher education. Artificial intelligence analyzes learners' pronunciation, intonation, fluency, and grammatical accuracy, providing immediate and objective feedback. By offering recommendations aligned with academic and formal communication standards, these technologies help students refine their oral performance. Consequently, learners become better prepared for active participation in international conferences, academic presentations, seminars, and scholarly discussions conducted in English.

Moreover, AI-powered chatbots have proven to be effective tools for developing academic and professional communication skills in higher education. These chatbots simulate real-life communicative situations by engaging students in dialogues based on academic topics, professional contexts, and formal correspondence. Through regular interaction with AI chatbots,

students can practice language use in a low-anxiety environment, improve fluency, and strengthen communicative competence without the fear of making mistakes.

In conclusion, the use of artificial intelligence technologies significantly enhances the effectiveness of English language teaching in higher education institutions. AI-based approaches facilitate the creation of a personalized and adaptive learning environment that takes into account students' individual needs, abilities, and learning goals. By promoting the development of academic and professional English skills and supporting autonomous learning, artificial intelligence also accelerates the process of digital transformation in higher education. As a result, AI integration represents a strategic and sustainable pathway toward improving the quality and relevance of English language education in the modern academic context.

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