



DIGITAL PEDAGOGY AND AI TOOLS IN ENGLISH LANGUAGE TEACHING: MODERN APPROACHES AND EFFECTIVE STRATEGIES

Kurbanova Muhabbat Mamadzhanovna

(PhD) Associate Professor, Department of Foreign
Languages,

Tashkent State Transport University

muhabbat_m@tstu.uz

Abstract This article discusses the growing importance of digital pedagogy and artificial intelligence (AI) technologies in English language teaching in higher education. Modern educational systems require innovative approaches that improve students' communicative competence, motivation, and independent learning skills. The study analyzes the role of AI-based platforms, digital applications, and online resources in English language classrooms. The article also highlights the advantages and challenges of integrating technology into language education and proposes effective methodological strategies for teachers. The research is based on contemporary pedagogical theories and practical classroom experiences.

Keywords: digital pedagogy, artificial intelligence, English language teaching, higher education, online learning, communicative competence, educational technology, digital tools

Introduction

In the 21st century, rapid technological development has significantly influenced the educational sphere, especially foreign language teaching. English language education is no longer limited to traditional grammar-translation methods; instead, modern classrooms increasingly integrate digital tools, online platforms, and artificial intelligence technologies. These innovations create interactive learning environments and support learner-centered education.

Today's students belong to a digital generation that actively uses smartphones, social media, and online communication platforms. Therefore, English language teachers are expected to adapt teaching methodologies according to students'

technological needs and learning styles. Artificial intelligence technologies such as chatbots, automated feedback systems, speech recognition software, and adaptive learning platforms provide new opportunities for effective language acquisition.

In Uzbekistan, educational reforms also emphasize the importance of digital transformation in higher education. Universities are encouraged to implement innovative pedagogical technologies to improve students' language proficiency and international competitiveness. Consequently, studying the role of digital pedagogy and AI in English language teaching is highly relevant and academically significant.

Literature Review Many international scholars have investigated the impact of technology on language learning. According to Stephen Krashen, meaningful communication and comprehensible input are essential factors in language acquisition. Digital technologies facilitate access to authentic materials and real-life communication opportunities.

Lev Vygotsky emphasized the social nature of learning and the importance of interaction in cognitive development. Online collaborative platforms and virtual classrooms align with his sociocultural theory by promoting communication and peer interaction.

Recent studies indicate that AI-powered applications improve pronunciation, vocabulary acquisition, and learner autonomy. Researchers note that platforms using adaptive learning systems can personalize instruction according to individual student performance. Furthermore, gamification and multimedia technologies increase learner motivation and engagement.

However, scholars also mention certain challenges. Excessive dependence on technology may reduce face-to-face communication, and some teachers lack sufficient digital competence. Therefore, successful integration of technology requires methodological training and balanced implementation.

The Role of Digital Tools in English Language Teaching Digital technologies provide numerous opportunities for improving language instruction. The most commonly used tools include:

1. Learning Management Systems (LMS) Platforms such as Moodle and Google Classroom help teachers organize materials, assignments, quizzes, and communication in one virtual environment. These systems support blended and дистан learning models.

2. Artificial Intelligence Applications

AI-based tools assist both teachers and students in language learning processes. Applications like ChatGPT, Duolingo, and Grammarly provide grammar correction, vocabulary practice, pronunciation feedback, and writing assistance.

For example:

- AI chatbots simulate real-life conversations;
- Speech recognition tools improve pronunciation;
- Automated feedback systems save teachers' time.

3. Multimedia Resources

Videos, podcasts, animations, and interactive presentations improve listening comprehension and contextual understanding. Educational platforms such as YouTube and BBC Learning English offer authentic language materials for learners of different proficiency levels.

4. Mobile Learning Applications

Mobile-assisted language learning allows students to study anytime and anywhere. Smartphones support vocabulary learning, pronunciation practice, and communication through educational apps and social networks.

Advantages of AI and Digital Pedagogy

The integration of AI and digital technologies into English language teaching offers several advantages:

Individualized Learning

AI systems adapt educational content according to students' learning pace and needs. Personalized instruction increases learning effectiveness.

Increased Motivation

Gamification, multimedia content, and interactive activities create engaging learning experiences that motivate students.

Immediate Feedback

Digital tools provide instant correction of grammar, pronunciation, and writing errors, helping learners improve quickly.

Development of Autonomous Learning

Students become more independent and responsible for their learning process through online resources and self-study platforms.

Flexible Learning Environment

Online learning supports education beyond classroom boundaries and allows access to materials at any time.

Challenges in Technology Integration

Despite numerous benefits, several challenges still exist:

- Limited technological infrastructure in some institutions;
- Insufficient digital literacy among teachers;
- Internet accessibility problems;
- Overreliance on automated systems;
- Possible decrease in face-to-face interaction.

To overcome these issues, universities should organize professional development programs for teachers and provide adequate technological support.

Methodological Recommendations For effective integration of digital pedagogy and AI technologies, English language teachers should:

1. Combine traditional and digital teaching methods;
2. Use technology purposefully rather than excessively;
3. Develop students' critical thinking skills;

4. Select reliable and pedagogically appropriate digital resources;
5. Encourage collaborative and communicative activities;
6. Continuously improve their digital competence.

Blended learning models are considered one of the most effective approaches because they integrate classroom interaction with online educational opportunities

Conclusion Digital pedagogy and artificial intelligence technologies are transforming English language teaching worldwide. These innovations improve communicative competence, learner autonomy, motivation, and access to authentic language resources. Although certain challenges remain, effective methodological implementation can significantly enhance educational quality.

Modern English language teachers should not only possess linguistic and pedagogical competence but also develop digital literacy and technological skills. Future education systems will increasingly depend on intelligent technologies; therefore, integrating AI into language teaching is becoming a necessity rather than an option.

In conclusion, digital pedagogy creates more flexible, interactive, and student-centered learning environments that meet the demands of contemporary education and globalization

References

1. Stephen Krashen. Principles and Practice in Second Language Acquisition. Oxford: Pergamon Press, 1982.
2. Lev Vygotsky. Mind in Society. Harvard University Press, 1978.
3. H. Douglas Brown. Teaching by Principles: An Interactive Approach to Language Pedagogy. Pearson Education, 2007.
4. Jack C. Richards. Communicative Language Teaching Today. Cambridge University Press, 2006.
5. Moodle Official Website
6. Google Classroom Official Website

7. Duolingo Official Website
8. BBC Learning English