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INNOVATIVE EDUCATIONAL TECHNOLOGIES IN IMPROVING THE SYSTEM OF HIGHER EDUCATION

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ИННОВАЦИОННЫЕ ОБРАЗОВАТЕЛЬНЫЕ ТЕХНОЛОГИИ В СОВЕРШЕНСТВОВАНИИ СИСТЕМЫ ВЫСШЕГО ОБРАЗОВАНИЯ

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Abstract. The article examines modern trends in the development of higher education in the context of digital transformation of the educational environment. Particular attention is paid to the implementation of innovative educational technologies as an important factor in improving the quality of education. The possibilities of applying modern educational technologies in teaching foreign languages in inclusive education are analyzed. The article also presents practical experience in the use of digital technologies in the educational process of the Kyrgyz Uzbek International University named after B. Sydykov. It is concluded that the integration of innovative pedagogical methods and digital technologies contributes to improving the efficiency of the educational process and developing students' professional competencies.

Аннотация. Рассматриваются современные тенденции развития высшего образования в условиях цифровой трансформации образовательной среды. Особое внимание уделяется внедрению инновационных образовательных технологий как важному фактору повышения качества образовательного процесса. Анализируются возможности применения современных образовательных технологий в преподавании иностранных языков в условиях инклюзивного образования. Представлен практический опыт использования цифровых образовательных технологий в учебном процессе Кыргызско-Узбекского международного университета имени Б. Сыдыкова. Делается вывод о том, что интеграция инновационных педагогических методов и цифровых технологий способствует повышению эффективности обучения и формированию профессиональных компетенций студентов.

Keywords: higher education; innovative technologies; digitalization of education; foreign language teaching; inclusive education.

Ключевые слова: высшее образование; инновационные технологии; цифровизация образования; образовательные технологии; преподавание иностранных языков; инклюзивное образование.

The modern higher education system is developing in the context of the rapid digitalization of society and the globalization of the educational space. Under these conditions, universities must adapt

educational programs to the requirements of the modern labor market and introduce innovative teaching methods.

Innovative educational technologies are becoming an important tool for modernizing the educational process, making it possible to improve the quality of education and expand the possibilities of the educational environment. Innovations acquire particular importance in teaching foreign languages, as they contribute to the development of communicative competencies and intercultural communication. Due to the changes taking place in society, the modern education system has faced the need to reassess the meaning of its activities, goals, functions, and content. The concept of a professional teacher is also changing in the context of innovative educational practice. Now, a successful teacher is considered an active, free, and responsible person in designing, who is in an active innovative search, developing and implementing pedagogical innovations in educational practice. At the same time, innovative professional activity places special demands on the knowledge, experience, formation of the motivational sphere, and personal qualities of the teacher. First of all, it requires the teacher to have a certain psychological and practical readiness to perceive and use innovations as necessary, and the desire to implement them in their practical activities. Consequently, there is a need for a qualitatively different teacher training that allows combining the fundamental nature of professional basic knowledge with innovative thinking and a practice-oriented, research-based approach to solving specific educational problems. In this regard, the role of vocational education is extremely important. According to researchers, innovation undoubtedly needs to be taught—not as a fragmentary phenomenon presented in a professional development course, but as a specially coordinated effort. This, in turn, requires a qualitative update of the entire system of teacher professional development, which consists of the development of new tools, methods, and programs, and the formation of personal innovative experience. The innovative development of education involves the introduction of new teaching methods, the use of digital technologies, and the development of interactive forms of educational activities. The modernization of the education system opens up new horizons and opportunities but at the same time places increased demands on the professional competence of teachers. The ever-increasing variability of the world, in which the creation of new knowledge is greatly accelerated and the need for new professions is constantly emerging, requires a modern teacher to be ready for constant updating and continuous improvement of their professional capabilities. The very concept of "innovation" stands for "the introduction of new elements (types, methods) into various types of human activity that increase the effectiveness of this activity" [1].

Paul Gunashekar, a professor at the English and Foreign Languages University (Hyderabad, India), points out that "innovations can cover a very wide range of areas, including ways to systematically assess students' knowledge, improve teacher training, implement innovative classroom practices—such as new technologies—provide additional instruction for students, increase teacher motivation and effectiveness, and mobilize resources from third parties to improve the quality of education" [4].

Let us look at examples of the use of innovative technologies for teaching foreign languages in global practice. Today, the role of a teacher as a provider of information and an organizer of educational activities is gradually transforming into that of an intermediary between the classroom and the world of natural language acquisition. Innovative changes in the modern educational process are related to the information and communication aspect, which aims to facilitate interaction during human activity. The most common innovative educational technologies include e-learning, blended learning, distance learning, project-based learning, and digital educational platforms. The use of these technologies increases the accessibility of education and ensures a more flexible organization of the educational process. The didactic potential of electronic learning tools in English classes lies in the

fact that their use contributes to: Better assimilation of knowledge by students; The formation and development of various skills (listening skills based on adapted and authentic audio texts, the ability to produce monologue and dialogic speech, translation and summarizing skills, and reading skills using materials from the internet and local networks); Increased informative saturation and visual appeal of lessons; Expansion of students' active and passive vocabulary, and familiarization with modern English vocabulary that reflects the culture, political, and social structure of a country; The fostering of creativity and development of creative activity in future specialists; Increased motivation for cognitive activity and the need to use a foreign language in interactive communication; Strengthening the motivation for students' independent work; Increasing the level of individualization and differentiation of student activities; The ability to choose the pace and volume of educational material and its level of complexity, implement feedback and diagnostic control, and increase objectivity [3].

At present, the Internet is the leading information technology used in almost all spheres of human activity. Internet resources provide not only additional means for interpersonal and international communication but also new opportunities in education [5].

Within this framework, the education system utilizes information sites and portals, educational programs on electronic media, and the ability to obtain information, receive consultations, and undergo knowledge assessments remotely via email, online conferences, and video sessions. The advantages of the Internet as an innovative learning tool stem from it being an unlimited source of information, which allows both teachers and students to save time when searching for necessary materials (theoretical, textual, audio, visual, etc.). It provides great opportunities for creativity in developing didactic materials, work formats, and individual or group projects. Furthermore, it increases the effectiveness of foreign language instruction by enabling full immersion in language materials and enhancing student motivation [8].

Interactive online learning is gaining increasing popularity in foreign language education due to its effectiveness. Researchers highlight several key advantages, including accessibility, flexibility, reduced student stress, high educational quality, the ability to conduct personal consultations, flexible scheduling and location, time efficiency, and the improvement of computer skills during the language learning process [2, 3].

One example of the effective use of modern multimedia tools in English classes in higher education is working with an interactive whiteboard (Smart Board). This device allows you to significantly expand the possibilities of classes in comparison with traditional technical training tools. Using an interactive whiteboard, as well as special software (audio and video codecs, Microsoft tools), teachers and students can work with texts, video and audio objects, and materials from the Internet; organize teleconferences to communicate with native speakers; conduct binary classes; and translate and implement linguistic analysis of film fragments, and so on. The principle of continuity is one of the key factors in ensuring the quality of education. It assumes a logical sequence of educational programs and the gradual development of students' professional competencies. The implementation of this principle ensures: the consistency of the educational process, the consistent formation of knowledge and skills, and the effective training of specialists. The Kyrgyz-Uzbek International University named after B. Sydykov is actively implementing innovative educational technologies in teaching foreign languages. In particular, the following are used: online educational platforms, multimedia educational resources, interactive teaching methods, and students' project activities. The use of these technologies contributes to the development of students' communication skills and increases their motivation to learn foreign languages [6, 7, 10].

Despite the advantages of innovative technologies, their implementation is accompanied by a number of difficulties: an insufficient level of digital competence among teachers, limited technical

resources, and the need to modernize educational programs. Solving these problems requires the development of university digital infrastructure and advanced training for teachers [9].

Table

COMPARATIVE ANALYSIS OF INNOVATIVE EDUCATIONAL TECHNOLOGIES

<i>Technology</i>	<i>Advantages</i>	<i>Limitations</i>
E-learning	Availability of educational resources	Requires technical support
Blended learning	A combination of traditional and digital methods	Requires methodical training
Project-based training	Practical skills development	It takes more time
Online platforms	Individualization of training	Teacher supervision is required

Thus, innovative educational technologies are an important factor in the modernization of the higher education system. Their use contributes to improving the quality of the educational process and the development of students' professional competencies. The use of innovative learning technologies in university English language teaching enables a transition from a subject-based principle of content construction to the creation of integrated training courses that reflect a holistic picture of professional activity. This approach changes the nature of knowledge itself, which, in the context of such interactive learning, is transformed into "knowledge for activity." In other words, within the framework of such training, the knowledge of future specialists acts as a function and means of solving specific professional tasks. The use of innovative teaching tools also brings changes to the organizational structure of the educational process: the requirements for methods and forms of organizing foreign language instruction are changing, as active and interactive individual and group forms of work with educational materials are becoming the standard. Innovative technologies are of particular importance in teaching foreign languages, where the use of digital resources and interactive teaching methods can significantly improve the effectiveness of the educational process.

References:

1. Slobodchikov, V. I. (2003). Problemy stanovleniya i razvitiya innovatsionnogo obrazovaniya. *Innovatsii v obrazovanii*, (2), 4-28. (in Russian).
2. Solovova, E. N. (2006). Praktikum k bazovomu kursu metodiki obucheniya inostrannym yazykam. Moscow. (in Russian).
3. Polat, E. S. (2005). Novye pedagogicheskie i informatsionnye tekhnologii v sisteme obrazovaniya. Moscow. (in Russian).
4. Kadenova, Zh. (2025). The Role of Artificial Intelligence in Organizing Students' Independent Work. *Bulletin of Science and Practice*, 11(2), 458-462. <https://doi.org/10.33619/2414-2948/111/57>
5. Polat, E. S. (2001). Innovatsionnye tekhnologii na urokakh inostrannogo yazyka. *Inostrannye yazyki v shkole*, 3, 97-98. (in Russian).
6. Kadenova, Zh., & Egamkulov, D. (2024). Methods of Formation of Socio-Cultural Competence in Teaching English. *Bulletin of Science and Practice*, 10(5), 653-657. <https://doi.org/10.33619/2414-2948/102/89>
7. Frolova, N. Kh. (2000). Problemy primeneniya mul'timedijnykh tekhnologij v vysshej shkole. In *Vysokie tekhnologii v pedagogicheskom protsesse: tezisy dokladov mezhvuzovskoj nauchno-metodicheskoy konferentsii*, N. Novgorod, 96-98. (in Russian).
8. Khasnutdinova, S. V., Ziganshina, N. L., & Tubal'tseva, V. A. (2024). Informatsionnye i kommunikatsionnye tekhnologii v obuchenii: preimushchestva i nedostatki. In *Problemy sovremennogo pedagogicheskogo obrazovaniya*, (84-1), 338-341. (in Russian).

9. Tuksinvarajarn, A., & Todd, R. W. (2009). The E-pet: Enhancing motivation in E-portfolios. In *English Teaching Forum* (Vol. 47, No. 1, pp. 22-25).
10. Ikhsanudin, I. (2021). Online discussion forums for rural teacher professional development. *Journal on English as a Foreign Language*, 11(1), 61-84. <https://doi.org/10.23971/jefl.v11i1.2087>

Список литературы:

1. Слободчиков В. И. Проблемы становления и развития инновационного образования // Инновации в образовании. 2003. №2. С. 4-28.
2. Соловова Е. Н. Практикум к базовому курсу методики обучения иностранным языкам. М.: Просвещение, 2006. 191 с.
3. Полат Е. С. Новые педагогические и информационные технологии в системе образования. М.: Академия, 2005.
4. Kadenova Zh. The Role of Artificial Intelligence in Organizing Students' Independent Work // Бюллетень науки и практики. 2025. Т. 11. №2. С. 458-462. <https://doi.org/10.33619/2414-2948/111/57>
5. Полат Е. С. Инновационные технологии на уроках иностранного языка // Иностранные языки в школе. 2001. №3. С. 97-98.
6. Kadenova Zh., Egamkulov D. Methods of Formation of Socio-Cultural Competence in Teaching English // Бюллетень науки и практики. 2024. Т. 10. №5. С. 653-657. <https://doi.org/10.33619/2414-2948/102/89>
7. Фролова Н. Х. Проблемы применения мультимедийных технологий в высшей школе // Высокие технологии в педагогическом процессе: тезисы докладов межвузовской научно-методической конференции. Н. Новгород, 2000. С. 96-98.
8. Хаснутдинова С. В., Зиганшина Н. Л., Тубальцева В. А. Информационные и коммуникационные технологии в обучении: преимущества и недостатки // Проблемы современного педагогического образования. 2024. №84-1. С. 338-341.
9. Tuksinvarajarn A., Todd R. W. The E-pet: Enhancing motivation in E-portfolios // *English Teaching Forum*. 2009. V. 47. №1. P. 22-25.
10. Ikhsanudin I. Online discussion forums for rural teacher professional development // *Journal on English as a Foreign Language*. 2021. V. 11. №1. P. 61-84. <https://doi.org/10.23971/jefl.v11i1.2087>

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