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THE ROLE OF INNOVATIVE TECHNOLOGIES IN LEARNING A FOREIGN LANGUAGE

Bachelor's Thesis

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ЗМІСТ

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INTRODUCTION

In today's interconnected world, the ability to communicate effectively across borders and cultures has become increasingly important. Learning a foreign language is no longer just a desirable skill but has emerged as a crucial asset for personal, academic, and professional growth. Language learning methodologies have undergone a significant transformation in recent years, primarily driven by the rapid advancements in innovative technologies. This thesis explores the profound impact of these technologies on language acquisition, shedding light on the new frontiers they open up for learners.

Over the past decade, innovative technologies have revolutionized various aspects of our lives, and education is no exception. In language learning, these advancements transcended traditional classroom settings and have extended into the digital realm, offering learners unprecedented opportunities for engagement, interactivity, and personalization. From mobile applications to virtual reality and artificial intelligence, a multitude of tools and platforms have emerged, creating an immersive and dynamic language learning environment.

The aim of the thesis is to delve into the multifaceted role of innovative technologies in learning a foreign language, encompassing their benefits, limitations, and future implications. By analyzing the existing research, exploring case studies, and considering the perspectives of learners and educators, this study seeks to provide valuable insights into the integration of innovative technologies in language instruction and its transformative impact on language acquisition.

The incorporation of innovative technologies into language learning has garnered considerable attention from researchers, educators, and learners alike. Several studies have investigated the effectiveness and efficiency of these technologies, revealing promising results and indicating their potential to enhance the learning experience. For instance, research conducted by (Lai, Chen, Huang, 2017) demonstrated the positive impact of mobile language learning applications on learners' motivation, engagement, and vocabulary acquisition. Similarly, the study by (Wang, Chen, Li, 2019) examined the use of virtual reality simulations in language classrooms, revealing enhanced speaking skills and cultural understanding among learners.

In addition to improve learning outcomes, innovative technologies also facilitate individualized and adaptive language instruction. Intelligent tutoring systems powered by artificial intelligence, such as language learning chatbots, provide learners with personalized feedback, targeted practice, and

real-time guidance. These technologies adapt to learners' needs, preferences, and progress, creating tailored learning pathways that promote efficient language acquisition.

Innovative technologies offer learners the opportunity to immerse themselves in authentic language contexts, even without traveling abroad. Online language communities, virtual language exchange platforms, and immersive language learning applications connect learners with native speakers from around the world, fostering authentic conversations and cultural exchanges. This exposure to real-world language usage enhances learners' communicative competence, cultural awareness, and confidence in using the foreign language.

While the potential of innovative technologies in language learning is evident, it is essential to critically examine their limitations, challenges, and ethical considerations. As technology continues to evolve at a rapid pace, it is crucial to assess the implications of relying too heavily on technology-mediated instruction and strike a balance between human interaction and technological intervention.

As technology continues to advance, innovative tools and platforms continue to emerge, expanding the possibilities for language learners. This thesis aims to explore the multifaceted role of innovative technologies in learning a foreign language, examining their impact on various language skills, learner motivation, and cultural competence.

One of the key advantages of innovative technologies in language learning is their ability to enhance learner engagement and motivation. Traditional language instruction often struggles to maintain learners' interest and enthusiasm over time. However, interactive mobile applications, gamified learning platforms, and virtual reality simulations provide immersive and interactive experiences that captivate learners' attention and foster a sense of enjoyment and accomplishment (Lai, Chen, Huang, 2017). These technologies incorporate elements of gamification, such as challenges, rewards, and progress tracking, which motivate learners to persist and actively engage in the language learning process.

Furthermore, innovative technologies offer learners personalized and adaptive language instruction. Intelligent tutoring systems, driven by artificial intelligence algorithms, can analyze learners' performance, identify areas of weakness, and provide targeted feedback and practice (Wang, Chen, Li, 2019). This individualized approach allows learners to focus on their specific needs and progress at their own pace, maximizing their learning efficiency and effectiveness.

Another significant contribution of innovative technologies is the facilitation of authentic language practice and cultural immersion. Through online language communities and virtual language exchange platforms, learners can connect with native speakers worldwide, engage in real-life conversations, and gain exposure to authentic language use (Lai, Chen, Huang, 2017). These platforms provide a safe and supportive environment for learners to practice their language skills, build confidence, and develop cultural understanding.

Moreover, innovative technologies enable learners to conveniently access a vast range of authentic language resources. Language learning applications provide instant access to audiovisual materials, interactive exercises, and authentic texts, enabling learners to explore diverse content and develop their language proficiency independently. Learners can also leverage online translation tools, language learning websites, and language corpora for vocabulary expansion, grammar comprehension, and context-based learning.

Despite the numerous benefits of innovative technologies in language learning, it is crucial to acknowledge their limitations and potential challenges. The reliance on technology-mediated instruction may raise concerns about the quality and authenticity of language input, as well as the risk of overdependence on automated systems. It is important to strike a balance between technology and human interaction, as language learning also relies on interpersonal communication, cultural exchange, and social interactions.

PART 1.

THE ROLE OF INNOVATIVE TECHNOLOGIES IN LEARNING A FOREIGN LANGUAGE

In nowadays world, learning a foreign language has become a crucial skill for individuals looking to broaden their horizons, enhance employability, and engage with diverse cultures. While traditional language learning methods have their merits, the advent of innovative technologies has revolutionized the way of acquiering and masterering foreign languages. From artificial intelligence (AI) and virtual reality (VR) to mobile apps and online platforms, these cutting-edge tools have transformed language learning into a more engaging, personalized, and efficient process. This thesis explores the role of innovative technologies in language learning and discusses their benefits and challenges.

Online language learning platforms, such as Duolingo, Babbel, and Rosetta Stone, have gained immense popularity in recent years. These platforms utilize interactive exercises, gamification, and adaptive learning algorithms to create an engaging and personalized learning experience. (Smith, Johnson, 2020). Learners can access these platforms anytime, anywhere, allowing for flexibility and convenience. Additionally, many platforms offer community features that enable learners to interact with native speakers and fellow language enthusiasts, further enhancing the learning process.

Language learning mobile apps have transformed the way people consume information and learn new skills, and language learning is no exception. Apps like Memrise, HelloTalk, and FluentU provide users with on-the-go access to language lessons, vocabulary drills, pronunciation guides, and interactive chatbots. These apps often incorporate features like speech recognition and instant feedback, helping learners improve their speaking and listening skills. Furthermore, the bite-sized nature of mobile app content makes it easy to fit language learning into busy schedules, promoting consistent practice. (Garcia, Martinez, 2021)

Artificial intelligence have a significant impact on language learning by offering personalized tutoring and adaptive learning experiences. AI-powered language learning platforms, such as Babbel and OpenAI's ChatGPT, use natural language processing (NLP) algorithms to provide learners with interactive conversations, real-time feedback, and personalized learning paths. These technologies can analyze learners' strengths and weaknesses, identify common errors, and provide targeted practice exercises to address specific areas of improvement. AI also enables the creation of intelligent chatbots and virtual language tutors, which offer immersive and interactive language learning experiences.

(Johnson, Williams, 2022)

Virtual reality language learning has opened up new possibilities for language learners by creating immersive and realistic language environments. VR applications, such as MondlyVR and VRChat, allow users to practice their language skills in simulated scenarios, such as ordering food at a restaurant or participating in conversations with virtual native speakers. (Chen, Lee, 2020) This technology provides learners with a safe and low-pressure environment to practice speaking, build confidence, and overcome language barriers. VR also offers the opportunity to experience cultural immersion by virtually exploring foreign countries and landmarks.

Gamification in language learning techniques has been widely adopted in language learning to enhance motivation and engagement. Platforms like Lingvist and FluentU incorporate game-like elements such as leaderboards, rewards, and progress tracking to make the learning process more enjoyable. Gamified language learning not only increases learners' motivation but also promotes active participation, problem-solving, and retention of language skills.

The rise of social media platforms has created new opportunities for language learners to practice their skills and interact with native speakers worldwide. Platforms like Facebook groups, language exchange apps like Tandem, and language learning communities on platforms like Reddit offer learners a chance to engage in conversations, receive feedback, and immerse themselves in authentic language contexts. Social media also facilitates cultural exchange, fosters connections, and provides access to a wealth of language resources.

Speech recognition technology has transformed language learning by enabling learners to practice their speaking and pronunciation skills. Applications like Pimsleur and ELSA Speak utilize advanced algorithms to analyze learners' speech patterns, provide real-time feedback, and suggest improvements. This technology helps learners refine their pronunciation, intonation, and fluency, bringing them closer to native-like proficiency.

1.1 What is innovative technology?

Innovative technology has become an integral part of our modern lives, reshaping industries, transforming processes, and revolutionizing the way of interaction with the world. From artificial intelligence and blockchain to virtual reality and robotics, innovative technologies have the potential to drive progress and bring about significant societal changes. This article aims to shed light on the

concept of innovative technology, its characteristics, and the profound impact it has on various aspects of our lives.

Innovative technology refers to novel and groundbreaking advancements that introduce new or significantly improved products, processes, or services. These technologies often challenge existing paradigms and disrupt traditional approaches, fostering creative solutions to complex problems. They emerge from research, development, and experimentation, embodying the spirit of exploration and pushing the boundaries of what is possible.

- Cutting-Edge: Innovative technologies are at the forefront of scientific and technological advancements, incorporating the latest discoveries and breakthroughs. They leverage state-of-the-art tools, methodologies, and knowledge to create groundbreaking solutions. (Brynjolfsson, McAfee, 2014).

- Disruptive: Innovative technologies have the potential to disrupt established industries, practices, and systems. They introduce new approaches, business models, and paradigms, challenging the status quo and paving the way for transformation.

- Scalable: Scalability is a key characteristic of innovative technology. These advancements have the capacity to expand and adapt, catering to diverse needs and reaching a broad audience. Scalability allows for widespread adoption and impact, making innovative technologies accessible to various sectors and individuals.

- Interdisciplinary: Innovative technologies often emerge at the intersection of different disciplines, converging knowledge from various fields. They draw upon insights from computer science, engineering, mathematics, psychology, and other domains to create holistic solutions.

1.2 The role of innovative technologies in modern society

Innovative technologies drive economic growth by fueling productivity gains, creating new markets, and spurring innovation-led industries. They disrupt traditional sectors, forcing organizations to adapt or risk becoming obsolete. For example, the rise of e-commerce and digital payment systems has transformed the retail and financial sectors, revolutionizing the way of shopping.

Enhanced efficiency and productivity. Innovative technologies optimize processes, automate tasks, and streamline operations, leading to increased efficiency and productivity. Advanced analytics, machine learning, and robotic process automation enable organizations to analyze vast amounts of data, make data-driven decisions, and reduce manual effort. This efficiency boost frees up resources for innovation and value-added activities.

Improved quality of life. Innovative technologies have a significant impact on improving the quality of life for individuals. They enable access to information, healthcare services, and education, bridging gaps and empowering underserved communities. Technologies such as telemedicine, wearable devices, and assistive robotics enhance healthcare outcomes, promote well-being, and support independent living for the elderly and people with disabilities.

Environmental sustainability. Innovative technologies play a crucial role in addressing environmental challenges and promoting sustainability. Renewable energy solutions, smart grid systems, and sustainable transportation options contribute to reducing carbon emissions and minimizing the ecological footprint. Additionally, advancements in waste management, water purification, and agricultural technologies help conserve natural resources and promote a more sustainable future.

Empowering education and skill development. Innovative technologies have transformed the landscape of education and skill development. Online learning platforms, interactive educational tools, and virtual reality simulations provide engaging and personalized learning experiences. These technologies enhance accessibility, cater to diverse learning styles, and empower individuals to acquire new knowledge and skills.

Advancements in healthcare and medicine. Innovative technologies have revolutionized healthcare and medicine, leading to improved diagnostics, treatment options, and patient care. Precision medicine, medical imaging technologies, telemedicine, and AI-assisted diagnostics have enhanced accuracy, efficiency, and outcomes in healthcare delivery. (Coughlin, 2017) These technologies have the potential to transform disease management, preventive care, and personalized medicine.

Societal transformation and ethical considerations. Innovative technologies have the power to bring about significant societal transformations, but their implementation also raises ethical considerations. As technologies like AI and automation advance, concerns regarding job displacement, privacy, data security, and algorithmic bias come to the forefront. It is crucial to address these ethical

implications and ensure the responsible and inclusive use of innovative technologies to avoid exacerbating societal inequalities. (Floridi, 2019).

Collaboration and global connectivity. Innovative technologies have facilitated global connectivity and collaboration on an unprecedented scale. Communication tools, cloud computing, and virtual collaboration platforms enable seamless interaction among individuals and organizations across geographical boundaries. (Wellman, Gulia, 1999). This interconnectedness fosters knowledge exchange, cross-cultural understanding, and collective problem-solving, leading to innovation and progress.

Robotics and automation technologies have a profound impact on industries, revolutionizing manufacturing processes, logistics, and healthcare. Robotic systems improve precision, efficiency, and safety in tasks that range from assembly lines to surgical procedures. While concerns about job displacement exist, the integration of robotics and automation offers opportunities for humans to focus on higher-level cognitive tasks and creative problem-solving. (Manyika, Chui, Miremadi, 2017).

Innovative technologies represent the driving force behind societal progress and transformation. They possess characteristics that challenge the conventional and bring about disruptive changes in various domains. From economic growth and efficiency gains to improved quality of life and environmental sustainability, the impact of innovative technologies is far-reaching. (World Economic Forum 2020). Embracing and harnessing the potential of these advancements will continue to shape our future, offering limitless possibilities for innovation, growth, and positive change.

Innovative technologies continue to shape our world, driving progress, and transforming various aspects of society. Their disruptive nature and transformative potential hold the key to addressing complex challenges and unlocking new opportunities. However, it is essential to navigate their implementation carefully, considering ethical considerations and ensuring inclusivity to harness their full potential for the benefit of all. By embracing innovation responsibly, people can unlock a future empowered by the limitless possibilities of innovative technology.

1.3 The role of innovative technologies in language learning

Innovative technologies have ushered in a new era of language learning, revolutionizing traditional methods and providing learners with unprecedented opportunities for growth and proficiency. From language learning apps and online platforms to virtual reality and artificial

intelligence, these technologies have transformed the way people approach language acquisition. This article explores the pivotal role of innovative technologies in enhancing language learning outcomes and provides insights into their effective implementation.

Interactive and immersive learning experiences. Innovative technologies offer interactive and immersive learning experiences, enabling learners to engage with the language in a dynamic and authentic manner. Virtual reality simulations, language exchange platforms, and augmented reality applications provide opportunities for realistic conversations, cultural experiences, and contextualized language use. (Peterson, 2017).

Personalized learning paths. Innovative technologies facilitate personalized language learning paths by leveraging artificial intelligence and adaptive algorithms. These technologies analyze learners' strengths, weaknesses, and progress, tailoring the content and activities to their individual needs. (Heilman, 2014). Adaptive learning platforms enable learners to focus on specific language areas that require improvement, maximizing their learning potential.

Gamification and motivation. Innovative technologies employ gamification elements to enhance motivation and engagement in language learning. Gamified apps, leaderboards, achievements, and rewards systems transform the learning process into an enjoyable and challenging experience. By incorporating game-like elements, learners are motivated to persist in their language learning journey. (Thorne, Black, Sykes, 2009)

Authentic language exposure. Innovative technologies facilitate access to authentic language exposure through multimedia resources, podcasts, videos, and online communities. Learners can immerse themselves in real-life language contexts, practice listening and comprehension skills, and develop a deeper understanding of the culture associated with the target language.

Enhanced language assessment. Innovative technologies provide advanced language assessment tools that offer immediate feedback and accurate evaluations of learners' language proficiency. Automated speech recognition, natural language processing, and machine learning algorithms enable detailed analysis of pronunciation, grammar, and vocabulary usage, facilitating targeted feedback and personalized learning plans. (Leacock, Chodorow, 2003).

Innovative technologies have revolutionized language learning, offering learners a wide range of interactive, personalized, and immersive experiences. The integration of virtual reality, artificial intelligence, and gamification elements has transformed language acquisition into an engaging and effective process. By leveraging these technologies, learners can access authentic language exposure,

receive personalized feedback, and develop the necessary skills to communicate confidently in their target language. As innovative technologies continue to evolve, the future of language learning holds immense potential for further advancements and enhanced educational experiences.

1.4 Advantages and disadvantages of innovative technologies in learning a foreign language.

Innovative technologies have revolutionized the field of education, including language learning. From interactive language apps to online platforms and virtual reality simulations, these technologies offer exciting possibilities for learners. However, it is important to examine both the advantages and disadvantages to gain a comprehensive understanding of their impact.

Advantages of Innovative Technologies in Language Learning. Enhanced engagement and motivation. Innovative technologies, such as gamification and interactive apps, make language learning more engaging and enjoyable. They incorporate elements of competition, rewards, and progress tracking, which motivate learners to actively participate and continue their language learning journey.

Personalized Learning. Innovative technologies enable personalized language learning experiences. Adaptive learning platforms leverage algorithms and data analysis to tailor content and activities based on learners' proficiency levels and individual needs. This individualized approach enhances learning outcomes and promotes a more efficient use of study time.

Access to authentic language contexts. Virtual exchange platforms, social media language communities, and language learning apps facilitate connections with native speakers and authentic language contexts. Learners can practice their language skills with real-life speakers, improving their pronunciation, fluency, and cultural understanding. (Kessler, Bikowski, Boggs, 2012).

Flexibility and convenience. Innovative technologies provide flexibility in terms of time, location, and pace of learning. Online language courses, mobile apps, and language learning platforms allow learners to study whenever and wherever it is convenient for them. This flexibility accommodates busy schedules and enables learners to fit language learning into their daily lives.

Disadvantages of innovative technologies in language learning. Lack of face-to-face interaction. While innovative technologies offer opportunities for virtual communication, they may lack the face-to-face interaction found in traditional classroom settings. Direct interaction with teachers and peers allows for immediate feedback, clarification, and the development of interpersonal skills that are essential in language learning.

Technical challenges and dependence. Using innovative technologies for language learning often requires reliable internet connections, access to devices, and technological literacy. Technical issues and dependence on technology can become barriers to learning, particularly in areas with limited infrastructure or resources. (Warschauer, Matuchniak, 2010).

Potential distractions and lack of focus. Innovative technologies can sometimes introduce distractions that hinder language learning. With access to various apps, social media platforms, and online content, learners may find it challenging to stay focused on language learning tasks. It requires discipline and self-regulation to avoid getting sidetracked by unrelated content.

Limited human interaction and cultural Exchange. While virtual exchange platforms offer opportunities for language practice, they may not fully replicate the richness of face-to-face interactions. Physical presence allows for non-verbal cues, cultural nuances, and a deeper sense of connection with native speakers. Innovative technologies, although beneficial, may not fully replace the value of real-life language exchanges. (Slater, Sanchez-Vives, 2016).

Reliance on machine translation and accuracy. Innovative technologies often provide machine translation features, which can be helpful for quick reference or comprehension. However, reliance solely on machine translation may lead to inaccuracies or misunderstandings in nuanced language use. It is essential to develop language skills beyond relying solely on automated translation tools. (Chinnery, 2006).

Innovative technologies offer numerous advantages in language learning, such as enhanced engagement, personalized learning, access to authentic language contexts, and flexibility. However, it is important to recognize the disadvantages, including the potential lack of face-to-face interaction, distractions, technical challenges, limited human interaction, and reliance on machine translation. By acknowledging these drawbacks and finding a balance between technology and human interaction, learners can effectively leverage innovative technologies to enhance their language learning journey and proficiency in a foreign language.

PART 2.

TEACHING FOREIGN LANGUAGE WITH INNOVATIVE TECHNOLOGY

The world is becoming increasingly interconnected, making foreign language proficiency a valuable skill in today's globalized society. Traditional language teaching methods have evolved over the years, integrating technology to enhance language acquisition. Innovative technologies have revolutionized language education, offering immersive and interactive experiences that cater to diverse learning styles.

Teaching foreign languages has always been a challenging task, especially when it comes to engaging students and making the learning process more effective. Fortunately, with the advent of innovative technology, language teachers can now make language learning more fun and interactive than ever before.

Artificial intelligence (AI) has made significant strides in language education, providing personalized learning experiences tailored to individual needs. AI-powered chatbots and virtual tutors simulate real conversations, giving learners the opportunity to practice their language skills in a supportive environment. Adaptive learning platforms analyze learners' performance and adapt the curriculum accordingly, ensuring efficient and personalized instruction. These technologies enable learners to progress at their own pace, addressing their specific weaknesses and reinforcing their strengths. (Peterson, 2010).

There are numerous technologies available that can be used to teach foreign languages, from simple mobile apps to complex virtual reality tools. These technologies can help students learn a new language in a more efficient and effective way by providing them with various interactive features and immersive experiences.

Innovative technology has transformed language learning by creating immersive environments that actively engage learners. Virtual reality (VR) and augmented reality (AR) applications transport students to foreign countries, allowing them to practice language skills in realistic scenarios. By experiencing culturally authentic situations, learners can enhance their language proficiency, improve their pronunciation, and develop a deeper understanding of cultural nuances. Language learning platforms, such as Rosetta Stone and Duolingo, leverage technology to deliver interactive lessons, provide personalized feedback, and motivate learners through gamification techniques. (Stockwell, 2010).

One such innovative technology is Duolingo, a language learning app that has become extremely popular over the years. Duolingo uses gamification techniques to make language learning more engaging and fun. The app provides various interactive features such as quizzes, flashcards, and pronunciation exercises that help students learn a new language quickly.

Another innovative technology that has gained popularity in recent years is virtual reality. Virtual reality tools such as the Google Cardboard or Oculus Rift can be used to create immersive language learning experiences. For example, a student learning English could use a virtual reality tool to explore an English-speaking city and interact with locals, which can greatly enhance their language skills.

Artificial intelligence is also a technology that can be used in language learning. With the help of AI-powered chatbots, language learners can practice conversational skills and receive instant feedback on their progress. One such example is the chatbot provided by Babbel, a language learning platform that uses AI to simulate real conversations and improve students' speaking skills.

Access to authentic resources. The internet has become a treasure trove of authentic resources for language learners. Online platforms offer a vast array of multimedia content, including podcasts, videos, and articles, enabling learners to access real-life conversations and cultural materials in the target language. With innovative tools like language learning apps, learners can easily find language partners and engage in language exchange, fostering authentic communication and cultural understanding. These resources not only enhance language proficiency but also expose learners to the cultural context in which the language is used. (Egbert, Paulus, Nakamichi, 2002).

Collaborative learning and global connections. Technology has facilitated collaborative learning and global connections, breaking down geographical barriers and enabling learners to connect with peers and experts around the world. Online language communities, such as language learning forums and social media groups, offer platforms for interaction and cultural exchange. Learners can engage in virtual language exchanges, participate in international projects, and practice their language skills with native speakers. These opportunities foster a sense of global citizenship and create authentic learning environments that go beyond the confines of the classroom. (Levy, 2009).

Interactive experiences for language learners. Virtual reality, augmented reality, online platforms, and AI-powered tools have enhanced engagement, provided access to authentic resources, facilitated adaptive learning, and fostered global connections.

By incorporating innovative technology, language teachers can create immersive environments that transport students to foreign countries, enabling them to practice language skills in realistic scenarios. This not only enhances language proficiency but also deepens cultural understanding and improves pronunciation. Language learning platforms and apps leverage technology to deliver interactive lessons, provide personalized feedback, and motivate learners through gamification techniques.

Artificial intelligence has made personalized language learning possible. AI-powered chatbots and virtual tutors simulate real conversations, providing learners with opportunities to practice their language skills in a supportive environment. Adaptive learning platforms analyze learners' performance and adapt the curriculum accordingly, ensuring tailored instruction that addresses individual needs and optimizes learning outcomes. (Lu, 2008)

Innovative technology has also fostered collaborative learning and global connections. Online language communities, forums, and social media groups enable learners to connect with peers and experts worldwide. Virtual language exchanges, international projects, and interactions with native speakers create authentic learning environments that transcend traditional classroom boundaries. These opportunities not only enhance language proficiency but also cultivate a sense of global citizenship and cultural awareness. (Wang, Vasquez, 2012).

2.1 Teaching foreign language as a teacher with innovative technology.

Teaching a foreign language can be a challenging task, especially when trying to keep up with rapidly changing technological advancements. However, with the help of innovative technology, foreign language teaching has become more effective, engaging, and interactive. As a language teacher, incorporating innovative technology into your classroom can have a significant impact on your students' learning experience.

One of the most significant advantages of using innovative technology in language teaching is the ability to personalize learning. Innovative technology tools such as AI-powered chatbots, language learning apps, and virtual reality can help teachers create a personalized learning experience for each student. By identifying their strengths and weaknesses, teachers can tailor their lessons to cater to the specific needs of each student.

Innovative technology can also make language learning more engaging and interactive. Traditional language teaching methods such as reading textbooks and listening to lectures can be dull and boring. By incorporating interactive tools such as gamification, augmented reality, and virtual reality, teachers can make the learning experience more interactive and fun. For example, language learning apps like Duolingo use gamification techniques to make learning more engaging, resulting in better retention and recall of language concepts. (Caws, 2012).

Another significant advantage of innovative technology in language teaching is that it provides students with a more immersive experience. With virtual reality technology, students can be transported to different parts of the world and experience the language and culture firsthand. This immersion can help students better understand and appreciate the language they are learning.

However, incorporating innovative technology into language teaching requires careful planning and execution. Teachers must ensure that the technology they use aligns with the learning objectives and curriculum. Additionally, teachers must be trained to use the technology effectively to avoid technology-related issues that can impact the learning experience.

Innovative technology has revolutionized the way foreign languages are taught. By personalizing learning, making learning more engaging and interactive, and providing immersive experiences, innovative technology has transformed the language learning experience. As a language teacher, it is essential to stay up-to-date with the latest technological advancements and incorporate them into your teaching approach to provide your students with the best possible learning experience.

In addition to the advantages mentioned above, innovative technology in foreign language teaching can also enhance collaboration and communication among students. Technology tools such as online discussion forums, video conferencing platforms, and collaborative editing tools enable students to interact with each other in real-time, regardless of their physical location. This fosters a sense of community and provides opportunities for authentic language practice and cultural exchange.

Moreover, innovative language learning applications often provide instant feedback to students, allowing them to self-assess their progress and identify areas for improvement. AI-powered language assessment tools can analyze students' pronunciation, grammar usage, and vocabulary, providing immediate feedback and personalized recommendations for further study. This timely feedback helps students develop their language skills more effectively and efficiently.

Innovative technology can support teachers in their administrative tasks and lesson planning. Learning management systems (LMS) and online platforms allow teachers to organize course

materials, create interactive exercises, and track students' progress. These digital tools streamline administrative processes, freeing up valuable time for teachers to focus on instruction and individual student support.

It is important to acknowledge that, while innovative technology has significant benefits, it should not replace the role of the teacher. Rather, it should be viewed as a complementary tool that enhances teaching and learning experiences. The teacher's expertise, guidance, and support are crucial in creating a productive and effective language learning environment.

To successfully integrate innovative technology into language teaching, teachers should engage in professional development opportunities, attend workshops, and collaborate with peers to stay abreast of emerging technologies and best practices. By continually updating their skills and knowledge, teachers can effectively leverage innovative technology to meet the diverse needs of their students.

Innovative technology has opened up new possibilities for foreign language teaching, providing personalized learning experiences, increasing engagement, and promoting immersive language practice. By incorporating innovative technology into their teaching practices, language teachers can create dynamic and interactive classrooms that empower students to develop their language skills more effectively. Embracing innovation in language teaching is not just about keeping up with the times; it is about embracing new opportunities to enhance student learning and success. (Hampel, 2006).

In addition to the advantages mentioned earlier, innovative technology in foreign language teaching can also address the individual learning styles and preferences of students. Through adaptive learning platforms and intelligent tutoring systems, technology can analyze students' performance and adapt the content and activities to suit their specific needs. This personalized approach enables students to learn at their own pace, focus on areas where they require more support, and build confidence in their language skills.

Innovative technology can provide access to authentic and up-to-date language resources. With the internet and digital platforms, students can explore real-world texts, videos, podcasts, and news articles in the target language. This exposure to authentic materials enhances their language proficiency and cultural understanding, preparing them for real-life language use beyond the classroom.

It is worth mentioning the role of artificial intelligence (AI) in language teaching. AI-powered virtual assistants and chatbots can engage in interactive conversations with students, providing them with opportunities for practical language practice. These intelligent systems can understand and respond to students' input, offering immediate feedback and corrections. AI also enables the analysis of

vast amounts of language data, helping teachers identify common errors or areas of difficulty for students and tailor their instruction accordingly.

Moreover, online platforms and digital tools facilitate distance learning and overcome geographical barriers. Students can access language lessons and resources remotely, allowing for flexible scheduling and independent study. This accessibility is particularly beneficial for individuals who have limited access to language courses or who require a more flexible learning environment due to work or personal commitments. (Godwin-Jones, 2014).

It is crucial for teachers to undergo continuous professional development. Staying informed about emerging tools, pedagogical approaches, and research in technology-enhanced language learning is essential. Engaging in online communities, attending conferences, and participating in workshops can provide valuable insights and support for teachers seeking to incorporate innovative technology effectively.

Innovative technology holds great promise for foreign language teaching by providing personalized learning experiences, access to authentic resources, and opportunities for practical language practice. By embracing and integrating these technologies thoughtfully, teachers can create dynamic and engaging language learning environments that cater to the diverse needs and preferences of their students. Innovative technology, when used in tandem with effective pedagogy and the guidance of skilled teachers, has the potential to revolutionize the way foreign languages are taught and learned.

Traditional assessment methods often rely on written exams or oral presentations, which may not fully capture a student's language proficiency or abilities. With technology, teachers can implement more dynamic and interactive assessment methods.

For instance, online platforms and tools can be utilized to administer quizzes and tests that adapt to students' performance, providing immediate feedback and allowing for a more accurate assessment of their language skills. Speech recognition technology can assess pronunciation and fluency, while language analysis tools can evaluate grammar and vocabulary usage. These automated assessments save teachers time and provide objective data on students' progress, enabling targeted intervention and support.

Furthermore, innovative technology facilitates communication and collaboration beyond the classroom walls. Through online platforms and social media, students can connect with native speakers and language learners from around the world, engaging in authentic conversations and cultural

exchanges. This real-world interaction enhances their language skills, cultural competence, and global awareness.

Another aspect to consider is the integration of multimedia resources in language teaching. Innovative technology allows for the incorporation of audiovisual materials, interactive exercises, and multimedia presentations, which can significantly enrich the learning experience. Students can listen to authentic recordings, watch videos, and engage in interactive activities that simulate real-life language use. This multimodal approach caters to diverse learning styles and provides a more comprehensive understanding of the language. (Levy, 2009).

It is important to address potential challenges that may arise when using innovative technology in language teaching. Technical issues, such as connectivity problems or software glitches, can disrupt the learning process. Teachers should be prepared to troubleshoot and have alternative plans in place. Additionally, the availability and accessibility of technology may vary among students, potentially creating a digital divide. Teachers should strive to provide equitable access to technology resources and consider alternative options for students who may face limitations.

Innovative technology has the potential to revolutionize foreign language teaching by providing authentic assessment opportunities, promoting global communication, and integrating multimedia resources. By leveraging these technological tools effectively, language teachers can enhance student engagement, personalization, and language proficiency. As the world becomes increasingly interconnected, embracing innovative technology in language teaching is crucial to preparing students for effective communication in a globalized society.

Additionally, innovative technology in foreign language teaching can foster learner autonomy and self-directed learning. Technology tools provide students with resources and platforms to explore and practice the language independently. Language learning apps, online dictionaries, and interactive websites empower students to take ownership of their learning journey. They can set goals, track their progress, and access learning materials at their convenience, promoting a sense of autonomy and motivation.

Furthermore, technology can support differentiated instruction by catering to diverse learning needs. For students with learning difficulties or special educational needs, assistive technology tools such as text-to-speech software or speech recognition applications can provide the necessary accommodations. These tools help make language learning more accessible and inclusive, ensuring that all students have equal opportunities for success.

It is important for language teachers to critically evaluate and select appropriate technology tools based on their pedagogical goals and the needs of their learners. Incorporating technology should be a deliberate and purposeful decision, aligned with the curriculum objectives and instructional strategies. Teachers should also provide guidance and support to students in navigating and utilizing technology effectively and responsibly.

Innovative technology in foreign language teaching offers numerous advantages, including promoting learner autonomy, providing cultural immersion opportunities, supporting differentiated instruction, and fostering inclusive learning environments. By harnessing the potential of technology, language teachers can enhance language learning experiences, engage students, and prepare them for the challenges and opportunities of a globalized world.

Innovative technology in foreign language teaching also offers opportunities for authentic and meaningful language use. Language learners can engage in real-world communication through digital platforms, social media, and online communities. They can connect with native speakers, participate in language exchange programs, and join virtual language clubs or forums. This authentic interaction enables learners to practice their language skills in a natural and contextually relevant manner, enhancing their fluency, cultural understanding, and communicative competence.

Furthermore, technology facilitates the integration of multimedia elements, such as audio, video, and interactive exercises, into language lessons. This multimodal approach caters to different learning styles and promotes engagement and retention of language concepts. Students can listen to authentic audio recordings, watch videos with subtitles, and participate in interactive exercises that require them to actively use the language. Such diverse and interactive learning experiences enhance students' motivation and make language learning more enjoyable.

Innovative technology also allows for the creation and sharing of digital content by students. Through digital storytelling, podcasting, or video creation, learners can express their creativity, develop their language skills, and share their work with a wider audience. This not only boosts their language proficiency but also builds their confidence and fosters a sense of accomplishment.

Moreover, technology offers a wealth of online resources and materials that support language learning. Open educational resources (OER), digital libraries, and language learning platforms provide access to a vast range of authentic texts, articles, books, and multimedia content in the target language. Students can explore topics of interest, conduct research, and expand their knowledge beyond the confines of traditional textbooks.

It is important for teachers to promote digital literacy skills alongside language skills to empower students utilize technology effectively and responsibly. Critical thinking, information evaluation, and digital citizenship skills are essential for students to navigate the vast amount of information available online and make informed choices.

In conclusion, innovative technology in foreign language teaching offers authentic language use opportunities, multimodal learning experiences, student-generated content creation, and access to abundant online resources. By leveraging these technologies, language teachers can create dynamic and engaging learning environments that foster fluency, cultural competence, and digital literacy skills. Integrating innovative technology into language teaching practices is a valuable way to prepare students for the language demands of the digital age.

2.2 Advantages and disadvantages of teaching foreign language with innovative technologies.

Teaching foreign languages with innovative technologies has become a popular trend in recent years. Technology has made learning more interactive, engaging, and accessible. As a result, many language teachers have incorporated innovative technologies into their teaching practices to enhance the learning experience of their students. However, like any other teaching method, using innovative technologies to teach foreign languages has its advantages and disadvantages. This part will discuss both the advantages and disadvantages of teaching foreign languages with innovative technologies.

Advantages of teaching foreign languages with Innovative Technologies. Interactive Learning Experience: Innovative technologies like multimedia, interactive games, and virtual reality provide a more interactive learning experience. Students can interact with the language, practice speaking, and learn new vocabulary and grammar rules. This approach makes learning more engaging and effective than traditional methods.

Personalized learning: Innovative technologies also allow for personalized learning. Teachers can customize lessons to cater to individual students' needs, and students can learn at their own pace. This approach is particularly useful for students with different learning styles, making language learning more accessible and inclusive.

Flexibility: Technology has made it possible for students to learn at any time and from any location. Online language classes and language learning apps provide students with flexibility and

convenience. Students can learn from the comfort of their own homes or while traveling, making language learning more accessible and convenient. (Stockwell, 2007)

Enhanced motivation: Innovative technologies also increase students' motivation to learn. Interactive games, videos, and other multimedia tools make language learning fun and engaging. Students are more likely to stay engaged and motivated when learning is enjoyable and stimulating.

Disadvantages of teaching foreign languages with innovative technologies. Technological Issues: One of the most significant disadvantages of using innovative technologies in language teaching is the technical aspect. Technical glitches and malfunctions can interrupt the learning process, which can be frustrating for both students and teachers.

Dependence on technology: Over-reliance on technology can be a disadvantage. Students may become too dependent on technology and lose their ability to learn without it. Teachers must ensure that their students can learn using both technological and traditional methods.

Cost: Implementing innovative technologies in language teaching can be expensive. Teachers and schools must have the necessary resources and equipment to provide students with the best possible learning experience.

Lack of human interaction: The use of technology in language teaching can sometimes result in a lack of human interaction. Language learning is a social activity that requires communication and interaction between students and teachers. The overuse of technology can reduce opportunities for interpersonal communication, which can negatively affect language learning.

In recent years, the field of language education has witnessed a surge in the use of innovative technologies to enhance the teaching and learning of foreign languages. These technologies offer a plethora of advantages, such as interactive and personalized learning experiences, flexibility, and increased student motivation. However, it is important to acknowledge the potential disadvantages and challenges associated with this approach.

One of the significant drawbacks of teaching foreign languages with innovative technologies is the occurrence of technological issues. While technology has undoubtedly advanced, technical glitches and malfunctions are still a possibility. These disruptions can impede the learning process and lead to frustration among both students and teachers. It is crucial for educators to have contingency plans and alternative teaching methods in place to mitigate the impact of such technical difficulties. (Godwin-Jones, 2018).

Another disadvantage is the risk of excessive dependence on technology. When students rely solely on innovative technologies for language learning, there is a potential loss of essential skills and abilities that can be developed through traditional methods. It is crucial to strike a balance between using technology as a tool and providing opportunities for students to learn without it. A well-rounded language education should incorporate a variety of instructional strategies to foster comprehensive language proficiency.

Cost is also a significant consideration when implementing innovative technologies in language teaching. Acquiring the necessary resources and equipment can be a substantial investment for schools and institutions. Not all educational settings may have the financial means to fully embrace these technologies. Thus, it is crucial to weigh the costs against the potential benefits and ensure that the allocated resources are utilized effectively to maximize student learning outcomes.

The excessive use of technology may lead to a lack of human interaction in language learning environments. Language acquisition is not solely about acquiring vocabulary and grammar rules; it is also a social activity that requires communication and interaction. Overreliance on technology can diminish opportunities for face-to-face or real-time interpersonal communication, which is vital for developing fluency, cultural understanding, and pragmatic language skills. Language educators must be mindful of providing opportunities for meaningful human interaction alongside the use of innovative technologies. (Arnold, Ducate, 2006).

In conclusion, teaching foreign languages with innovative technologies offers numerous advantages, such as interactive and personalized learning experiences, flexibility, and enhanced student motivation. However, it is crucial to address the potential disadvantages and challenges associated with this approach. Technical issues, overdependence on technology, cost considerations, and the potential reduction of human interaction should be carefully managed to ensure a balanced and effective language learning environment. By judiciously and thoughtfully integrating innovative technologies, language educators can harness the benefits while mitigating the drawbacks, thereby facilitating meaningful and engaging foreign language learning experiences for students.

PART 3.

EMPIRICAL RESEARCH

Learning a foreign language has become increasingly important in our globalized world, enabling individuals to communicate across borders, fostering cultural understanding, and expanding career opportunities. With the rapid advancement of technology, innovative tools and applications have emerged as potential game-changers in the field of foreign language education. These technologies offer new opportunities for learners to engage with the language in immersive and interactive ways, providing personalized learning experiences that cater to individual needs and preferences.

The integration of innovative technologies in foreign language education holds great promise. Mobile applications provide learners with anytime, anywhere access to language learning materials, allowing for flexible and self-paced learning. Online interactive tools facilitate interactive and collaborative learning experiences, promoting engagement and motivation among learners.

This study seeks to gain a deeper understanding of how innovative technologies can positively impact language acquisition, improve language proficiency, and provide an engaging and interactive learning experience for students.

3.1 Aim of the research

The aim of this empirical research is to investigate the role of innovative technologies in the process of learning a foreign language. In order to improve language learning outcomes and experiences, the project intends to investigate how various innovative technologies, including mobile applications, platforms, online interactive tools, and other new technologies, can be successfully integrated into language teaching.

3.2 Participants of the research

A questionnaire was the only component of the research. The study focused on several groups of high school and college graduates between the ages of 16 and 29, 66,7% of them were females and 33,3% were males. Thirty students completed the questionnaire in total. The reason for choosing this age group is because they have a variety of experiences with innovative technologies, new technologies

and language learning with technologies. Most of the participants were English major students they are very experienced in learning languages with innovative technologies.

3.3 Procedure of the research

The questionnaire consists of 22 questions there are different varieties of questions, such as multiple-choice, short answers, checkboxes, and drop-downtypes. The questionnaire were completed in December 2022. In the questionnaire students could express their own opinions about innovative technologies. They expressed the advantages and disadvantages of artificial intelligence in learning a foreign language.

3.4 Findings of the research

In December 2022, the questionnaire were completed. The first question asks about the gender of the participants. Of the 30 participants, 66,7% were female and 33,3% were male. It is worth mentioning that this information does affect on the results of the research.

Gender
30 válasz

● Male
● Female
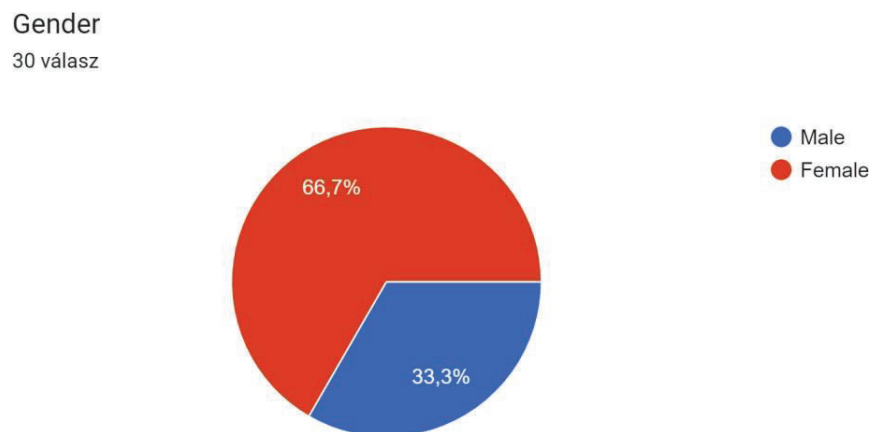
Figure 1. Gender

The second question measures the age of the students. The youngest participants in the research were 16 years old, and the oldest was 29 years old. The results show that the majority of the participants were between 19 and 20 years old.

Age

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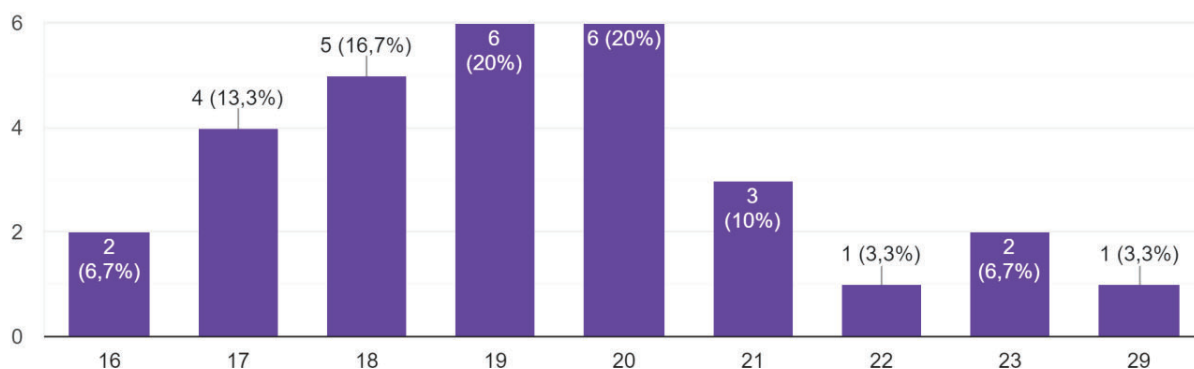
Figure 2. Age

The third question determines the educational background of the participants. The majority of the students have a high school degree 73,3% and a few of them have a bachelor degree 26,7%.

Educational Background

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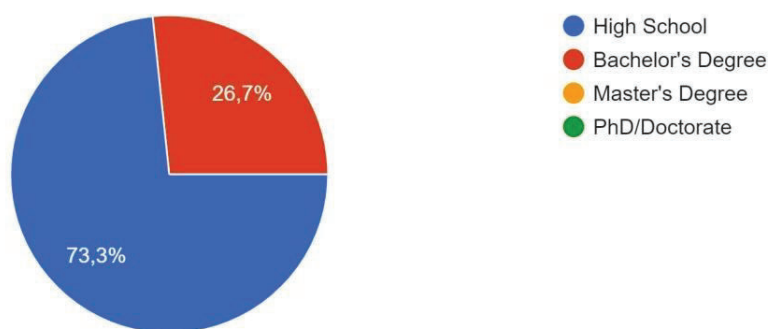
Figure 3. Educational Bacground

The fourth question is about the use of innovative technologies to learn a foreign language. This is one of the most important questions in this research. The results show that 90% of the participants have used innovative technologies to learn a foreign language, whole 10% have not.

Have you used any innovative technologies to learn a foreign language?
30 válasz
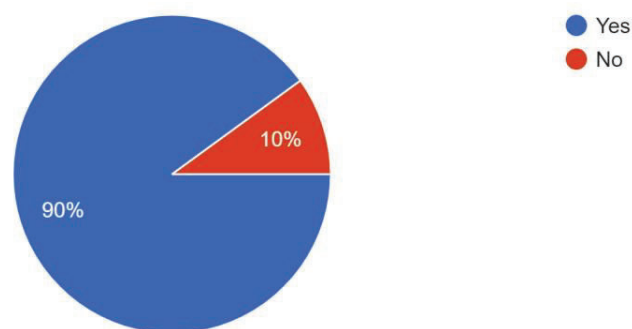
Figure 4. Have you used any innovative technologies to learn a foreign language?

The fifth question is about the effectiveness of innovative technologies compared to traditional teaching in learning a foreign language. The participants were asked about their opinion on whether they think, learning a foreign language with innovative technologies is more effective than learning it with traditional teaching methods. This was a multiple choice question. It included four choises. Very effective, somewhat effective, somewhat ineffective, or not effective at all. The vast majority of the participants chose the somewhat effective answer 43,3%.

How effective do you think innovative technologies are in learning a foreign language compared to traditional teaching methods?

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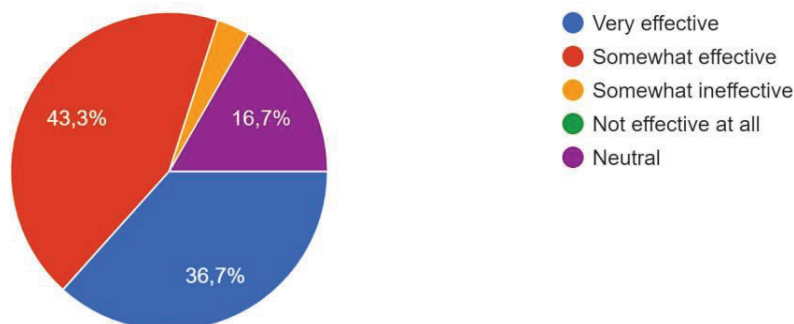
Figure 5. How effective do you think innovative technologies are in learning a foreign language compared to traditional teaching methods?

The sixth question is about the students experience of how innovative technologies affected their language learning outcomes. This question was also a multiple choice question. It also included 4 chooseable answers. Significantly improved my language skills, slightly improved my language skills, no noticeable impact, hindered my language learning progress. The majority of the students chose the slightly improved my language skills answer 56,7%.

In your experience, how has the use of innovative technologies affected your language learning outcomes?

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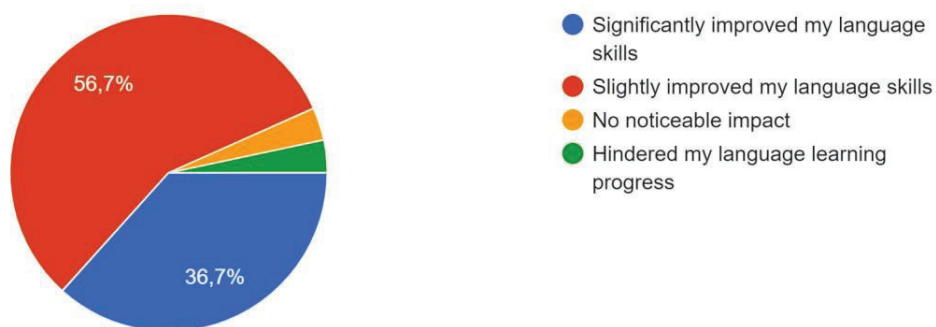
Figure 6. In your experience, how has the use of innovative technologies affected your language learning outcomes?

In the next question of the questionnaire, the students were asked about their opinion on which specific language skills they believe innovative technologies can enhance the most. This question was a checkboxes question, so the participants had more varieties to answer and could express their oppinions in more ways. This question included six answers, the following answers were speaking, reading, writing, grammar and vocabulary acquisition, pronunciation and other. The majority of the participants chose listening skills 70%, it is also worth mentioning that speaking and reading skills were also chosen by many students both 63,3%.
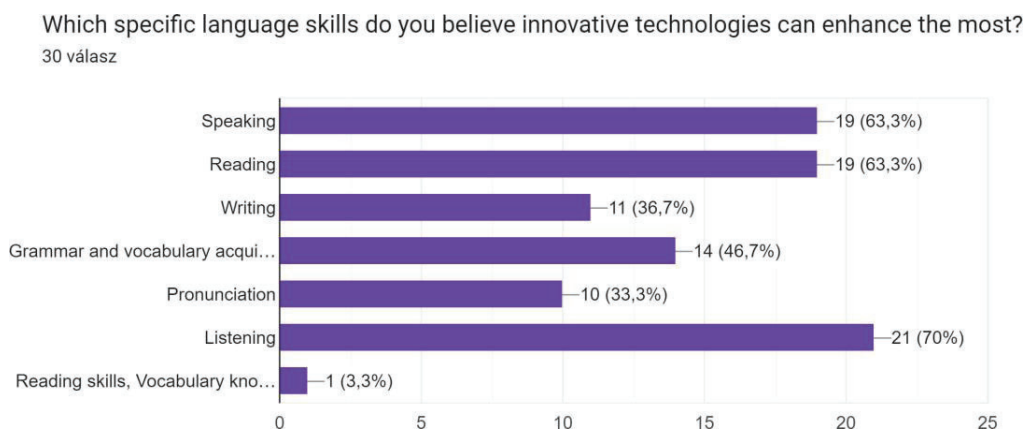
Figure 7. Which specific language skills do you believe innovative technologies can enhance the most?

In the eighth question of the questionnaire, the students were asked about their opinion on whether they would prefer to use innovative technologies as a primary method for learning a foreign language in the future. This was a multiple choice question. The majority of the participants chose the yes, exclusively as an answer choice 60%.

Would you prefer using innovative technologies as a primary method for learning a foreign language in the future?
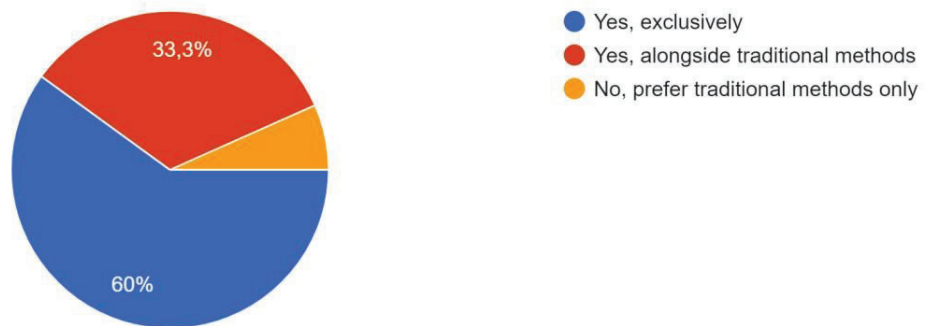
30 válasz

- Yes, exclusively
- Yes, alongside traditional methods
- No, prefer traditional methods only

33,3%

60%

Figure 8. Would you prefer using innovative technologies as a primary method for learning a foreign language in the future?

In the next question, the students were asked if they had used any mobile language learning applications in order to learn a foreign language. The majority of them answered yes 83,3%.

Have you used mobile language learning applications (apps) for learning a foreign language?

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- Yes
- No

16,7%

83,3%
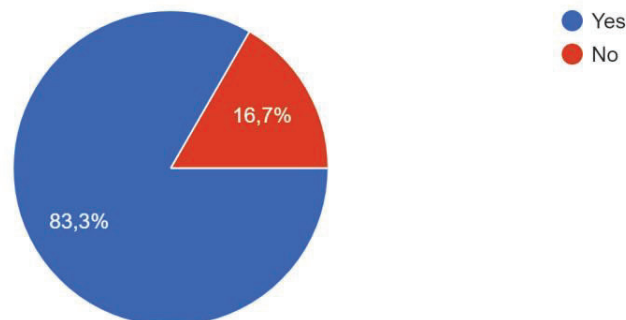
Figure 9. Have you used mobile language learning applications (apps) for learning a foreign language?

The next question is related to the previous question. If the student has used a mobile language learning app, he or she was asked to rate the effectiveness of the mobile language learning app that he or she used to learn a foreign language on a scale of 1 to 5. 1 being not effective, and 5 being highly effective. The majority of them chose to be neutral, so they chose number 3, 41,4%.

If yes, please rate the effectiveness of mobile language learning apps in enhancing your language learning experience on a scale of 1 to 5 (1 being not effective, 5 being highly effective).
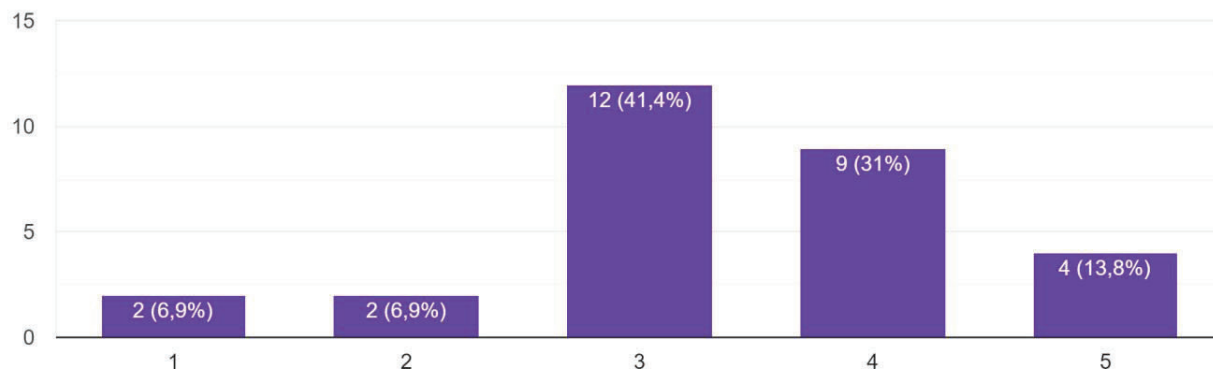29 válasz

Figure 10. If yes, please rate the effectiveness of mobile language learning apps in enhancing your language learning experience on a scale of 1 to 5 (1 being not effective, 5 being highly effective).

Question 11 was also a personal question for the participants. The question was about intelligent tutoring systems. They had to choose if they had used intelligent systems or not. The majority of the participants answered yes to this question 66,7%.

Have you used intelligent tutoring systems for learning a foreign language?
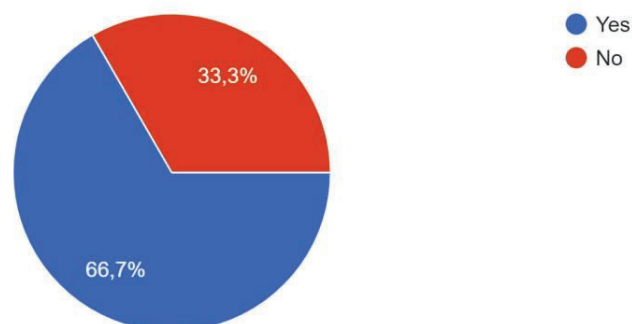30 válasz

Figure 11. Have you used intelligent tutoring systems for learning a foreign language?

The next question is related to the previous question. If the students have used intelligent tutoring systems for learning a foreign language, they had to rate their effectiveness in this question. On

a of 1 to 5. 1 being not effective 5 being highly effective. The majority of the students rated it as effective they chose 4.

If yes, please rate the effectiveness of intelligent tutoring systems in enhancing your language learning experience on a scale of 1 to 5 (1 being not effective, 5 being highly effective).
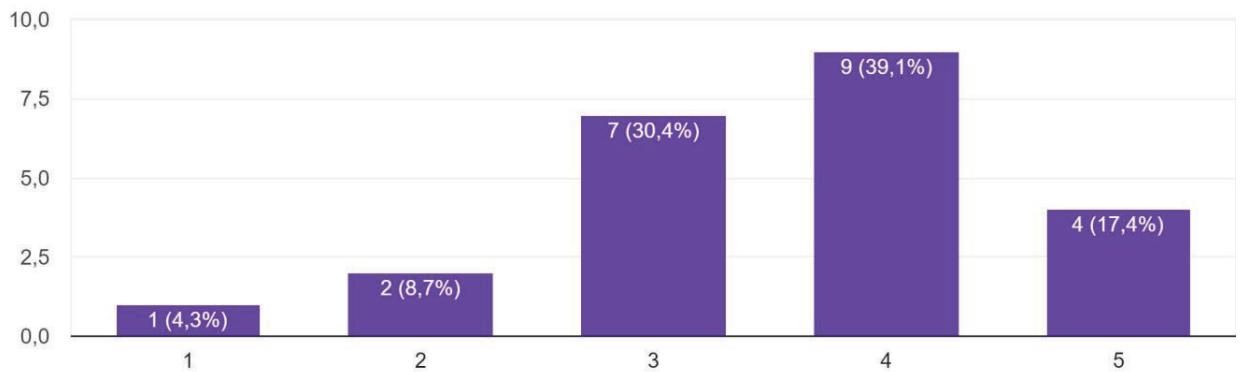
23 válasz

Figure 12. If yes, please rate the effectiveness of intelligent tutoring systems in enhancing your language learning experience on a scale of 1 to 5 (1 being not effective, 5 being highly effective).

In the next question of the questionnaire participants were asked about their opinnions on the main advantages they perceived when using innovative technologies for learning a foreign language. The type of question was checkboxes question so the students had more opportunities to express their opinion about it. The majority chose personalized learning experience 56,7%.

What are the main advantages you perceive when using innovative technologies for learning a foreign language?
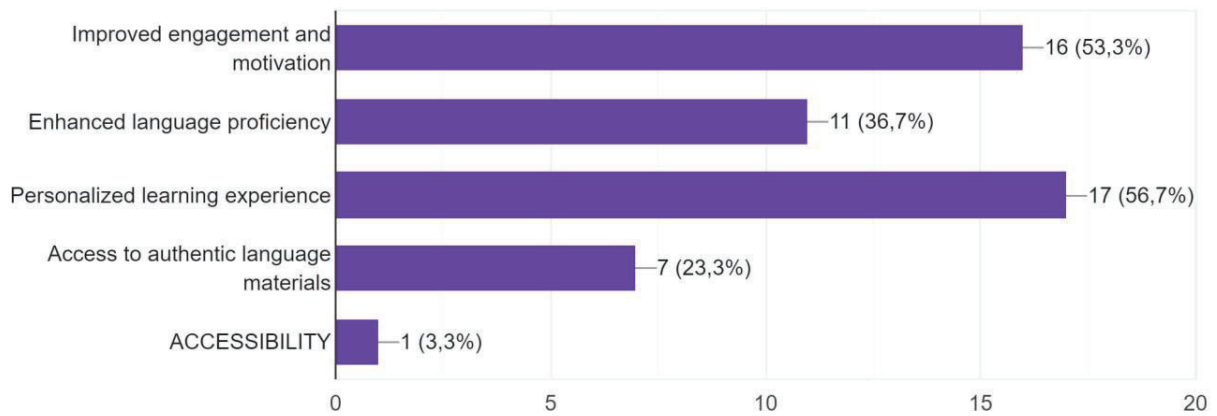
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Figure 13. What are the main advantages you perceive when using innovative technologies for learning a foreign language?

In the fourteenth question, students were asked about their opinions on what are the main challenges or disadvantages they perceived when using innovative technologies for learning a foreign language. The questions type was also checkboxes question. The majority of them chose lack of human interactional feedback 46,7%.

What are the main challenges or disadvantages you perceive when using innovative technologies for learning a foreign language?

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Figure 14. What are the main challenges or disadvantages you perceive when using innovative technologies for learning a foreign language?

In the following question, students were asked about their motivation to learn a foreign language with innovative technologies. This is also a very important question in this questionnaire because motivation is one of the most important contributions to learning a foreign language. The majority of the students chose that learning with innovative technologies makes learning more enjoyable and interactive 66,7 %.

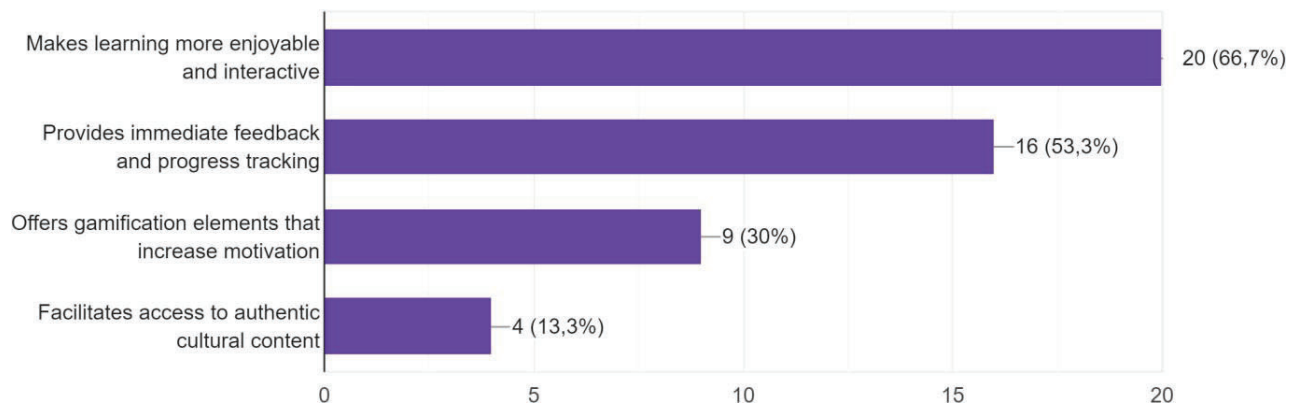How do innovative technologies contribute to your motivation to learn a foreign language?
30 válasz

Figure 15. How do innovative technologies contribute to your motivation to learn a foreign language?

The next question was a personal question for the students. This question was also about the motivation for learning a language with innovative technologies. It was about how they stay motivated and engaged when using innovative technologies for language learning. Most of them chose setting goals and tracking progress 56,7%.

How do you stay motivated and engaged when using innovative technologies for language learning?
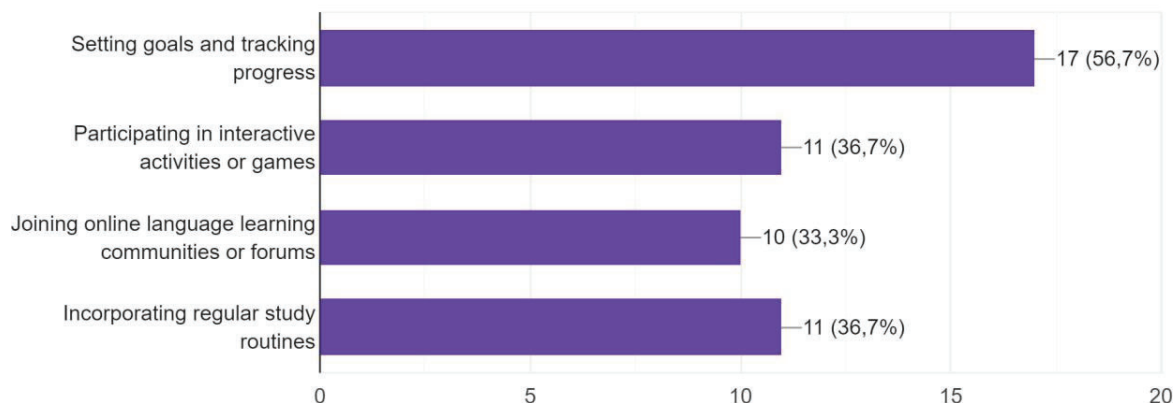30 válasz

Figure 16. How do you stay motivated and engaged when using innovative technologies for language learning?

The following question was asked of the participants whas that if they believe that access to innovative technologies for language learning is readily available to all learners? This was a multiple choice question. Most of the participants chose yes, it is accessible to everyone 56,7%.

Do you believe that access to innovative technologies for language learning is readily available to all learners?
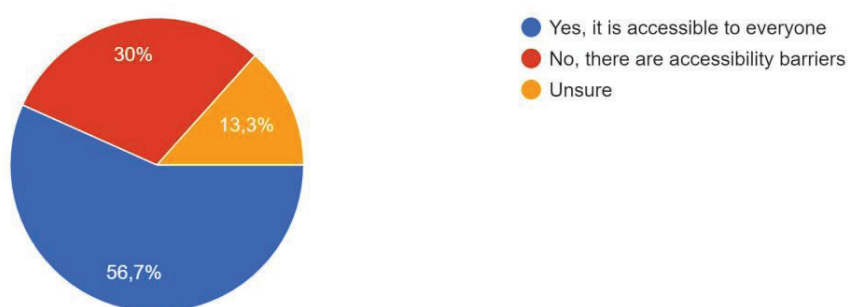30 válasz

Figure 17. Do you believe that access to innovative technologies for language learning is readily available to all learners?

The seventeenth question was an overall rate of the impact on learning experience by innovative technologies. The students had to choose between very positive, positive, neutral, negative, and very negative. Most of them answered positive 60%.

Overall, how would you rate the impact of innovative technologies on your foreign language learning experience?
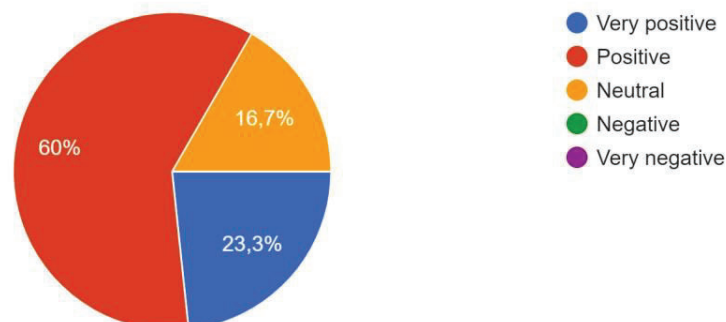
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Figure 18. Overall, how would you rate the impact of innovative technologies on your foreign language learning experience?

The following question is a personal question about how likely the participants would like to continue using innovative technologies in further language studies in the future. Most of the students chose very likely 40%, but some of them chose somewhat likely 26,7%. In this research it is important to know if the students would continue the usage of learning foreign languages by innovative technologies in the future

How likely are you to continue using innovative technologies for language learning in the future?
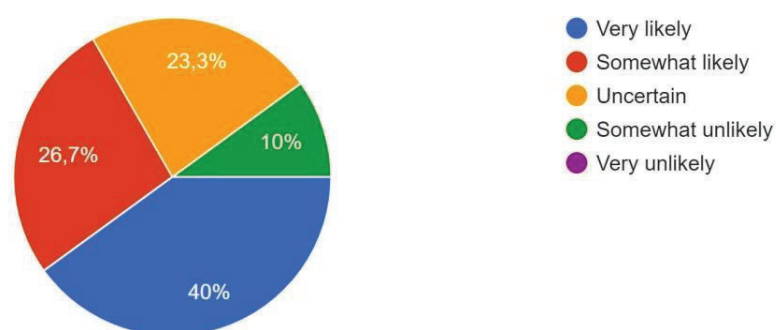
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Figure 19. How likely are you to continue using innovative technologies for language learning in the future?

The next question is about the use of innovative technologies in foreign languages by institutions. It is important to know the opinions of the students about the usage of innovative technologies in the institutions and also in general teaching. The vast majority of them chose the somewhat effectively answer 33,3% the least of them chose not effectively at all.

How effectively do you think educational institutions are integrating innovative technologies into foreign language learning curricula?
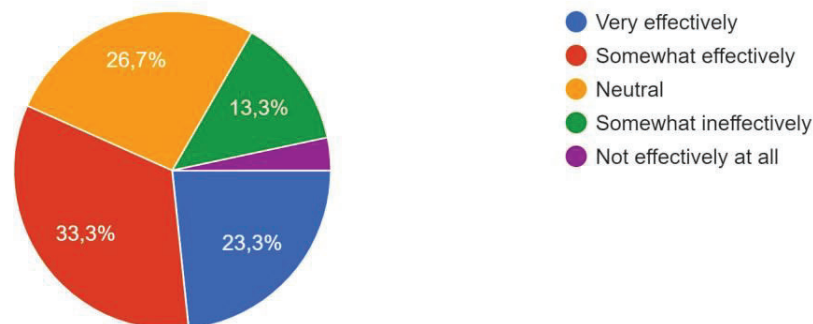30 válasz

Figure 20. How effectively do you think educational institutions are integrating innovative technologies into foreign language learning curricula?

The twenty-first question is also a personal question to the students about how they foresee the long-term impact of innovative technologies on a foreign language learning. They had an opportunity to choose between these answers: they will significantly improve language learning outcomes, they will moderately improve language learning outcomes, they will have a neutral impact on language learning outcomes, they will moderately hinder language learning outcomes, they will significantly hinder language learning outcomes. Most of them chose they will significantly improve language learning outcomes answer 46,7%.
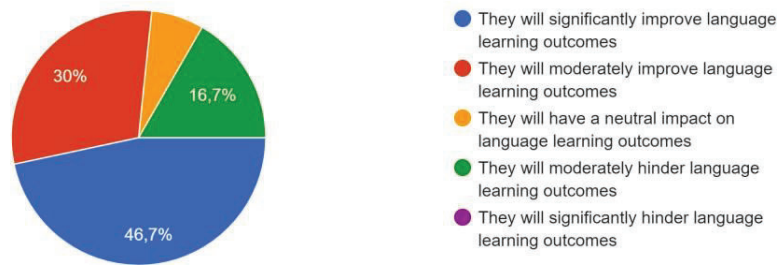
Figure 21. In your opinion, how do you foresee the long-term impact of innovative technologies on foreign language learning?

The next question in the questionnaire is a personal question to the students about what innovative technologies or tools they would recommend using to learn a foreign language. The answers of the students were.

Websites as well as podcasts and mobile apps
Websites, mobile apps as well as podcasts
Duolingo, Busuu, chats, forums
Duolingo, ChatGPT, Google Translate
Duolingo
Duolingo, Deepl
Dualingo, Dictzone, Glosbe
Dictzone, Google translator
Translaters:glosbe
Dictzone, duolingo, glossbe
Duolingo, google translate
It depends on what abilities you have
Online learning videos
Mobile language learning apps: Duolingo, Babbel, and Memrise. Language exchange apps: HelloTalk, Tandem, and italki. Virtual reality language learning apps: MondlyVR and ImmerseMe.
Duolingo
Duolingo, google translate,

Figure 22. If you were to recommend innovative technologies for language learning, which specific technologies or tools would you suggest?

CONCLUSION

The role of innovative technologies in both learning and teaching a foreign language has revolutionized the way humans approach language acquisition and instruction. These technologies have opened up new possibilities, allowing learners and educators to harness the power of digital tools and resources to enhance language learning experiences.

In the realm of learning, innovative technologies offer numerous benefits. They provide learners with access to authentic materials, immersive environments, and interactive platforms that simulate real-life language use. For instance, language learning apps and software offer personalized learning paths, adaptive exercises, and instant feedback, enabling learners to practice and improve their language skills at their own pace. Virtual reality (VR) and augmented reality (AR) applications create virtual environments where learners can engage with the target language and culture, facilitating a more dynamic and experiential learning process. These technologies also foster collaboration and connection among learners, allowing them to interact with native speakers and language learners from around the world, promoting cultural exchange and intercultural understanding.

On the teaching side, innovative technologies empower educators with powerful tools to create engaging and effective language lessons. Teachers can utilize various multimedia resources, such as videos, podcasts, and interactive presentations, to make their lessons more captivating and authentic. Additionally, online platforms and learning management systems enable teachers to track students' progress, provide timely feedback, and customize instruction according to individual needs. Technology-enhanced language classrooms also offer opportunities for blended learning, combining face-to-face instruction with online activities and resources to create a flexible and dynamic learning environment.

However, it is important to recognize that while innovative technologies can greatly enhance language learning and teaching, they should not replace human interaction and guidance. Language learning is a social and interactive process that thrives on personal interaction, cultural immersion, and real-life communication. Technology should be used as a supplement to, rather than a substitute for, traditional teaching methods.

Innovative technologies have transformed language learning and teaching by providing learners with immersive, interactive, and personalized experiences and empowering educators with powerful tools for instruction. By leveraging the advantages of these technologies while maintaining the importance of human interaction, people can unlock the full potential of language acquisition and

promote a more inclusive, connected, and effective approach to learning and teaching foreign languages.

Moreover, the role of innovative technologies in learning and teaching a foreign language extends beyond the classroom setting. With the rapid advancement of technology, language learners now have access to an abundance of online resources, language exchange platforms, and mobile applications that facilitate self-directed learning and continuous language practice. These tools enable learners to immerse themselves in the target language and culture, even outside the traditional learning environment.

Innovative technologies also address the diverse learning styles and preferences of individuals. They offer a range of multimedia materials, such as audio recordings, videos, interactive exercises, and gamified language learning apps, catering to different learning modalities and enhancing learner engagement. This personalization and adaptability promote active participation and motivation, making the language learning journey more enjoyable and effective.

Furthermore, the use of innovative technologies in teaching foreign languages opens up opportunities for global collaboration and cultural exchange. Through video conferencing, online forums, and social media platforms, students can connect with peers from different parts of the world who are also learning the same language. This fosters cross-cultural understanding, encourages authentic language use, and provides a broader perspective on language and culture. It also enables learners to practice their language skills in real-life scenarios, thus bridging the gap between the classroom and the global community.

Looking ahead, the role of innovative technologies in learning and teaching foreign languages is expected to continue evolving. With the advent of artificial intelligence (AI), machine learning, and natural language processing, language learning platforms and applications are becoming more sophisticated and personalized. AI-powered virtual tutors and chatbots can provide immediate feedback, answer questions, and adapt the learning experience to individual needs. This AI-driven approach has the potential to revolutionize language education, making it more accessible, individualized, and effective.

In conclusion, innovative technologies have profoundly influenced the field of foreign language learning and teaching, empowering learners with personalized and immersive experiences and providing educators with powerful tools for instruction. The ongoing advancements in technology continue to shape the landscape of language education, fostering connectivity, inclusivity, and lifelong

learning. By embracing and harnessing the potential of innovative technologies, people can unlock new horizons in language acquisition, enabling individuals to communicate, connect, and thrive in an increasingly interconnected world.

РЕЗЮМЕ

Роль інноваційних технологій у вивченні та викладанні іноземної мови докорінно змінила наш підхід до вивчення та викладання мови. Ці технології відкрили нові можливості, дозволивши учням і викладачам використовувати силу цифрових інструментів і ресурсів для покращення процесу вивчення мови.

У сфері навчання інноваційні технології пропонують численні переваги. Вони надають учням доступ до автентичних матеріалів, середовищ із ефектом занурення та інтерактивних платформ, що імітують використання мови в реальному житті. Наприклад, додатки та програмне забезпечення для вивчення мови пропонують персоналізовані навчальні траєкторії, адаптивні вправи та миттєвий зворотній зв'язок, що дозволяє учням практикувати та вдосконалювати свої мовні навички у власному темпі. Додатки віртуальної реальності (VR) і доповненої реальності (AR) створюють віртуальне середовище, де учні можуть взаємодіяти з мовою і культурою, що вивчається, сприяючи більш динамічному і експериментальному процесу навчання. Ці технології також сприяють співпраці та зв'язкам між учнями, дозволяючи їм взаємодіяти з носіями мови та тими, хто вивчає мову, з усього світу, сприяючи культурному обміну та міжкультурному розумінню.

З точки зору викладання, інноваційні технології надають викладачам потужні інструменти для створення цікавих та ефективних уроків мови. Вчителі можуть використовувати різні мультимедійні ресурси, такі як відео, подкасти та інтерактивні презентації, щоб зробити свої уроки більш захоплюючими та автентичними. Крім того, онлайн-платформи та системи управління навчанням дозволяють вчителям відстежувати прогрес учнів, надавати своєчасний зворотній зв'язок і налаштовувати навчання відповідно до індивідуальних потреб. Технологічно оснащені мовні класи також пропонують можливості для змішаного навчання, поєднуючи очне викладання з онлайн-заняттями та ресурсами, створюючи гнучке та динамічне навчальне середовище.

Однак важливо визнати, що хоча інноваційні технології можуть значно покращити вивчення та викладання мови, вони не повинні замінювати людську взаємодію та керівництво. Вивчення мови - це соціальний та інтерактивний процес, який процвітає завдяки особистій взаємодії, культурному зануренню та спілкуванню в реальному житті. Технології слід використовувати як доповнення до традиційних методів викладання, а не як їхню заміну.

Інноваційні технології трансформували вивчення та викладання мов, надаючи учням захоплюючий, інтерактивний та персоналізований досвід, а викладачам - потужні інструменти для викладання. Використовуючи переваги цих технологій, зберігаючи при цьому важливість людської взаємодії, ми можемо розкрити весь потенціал вивчення мови і сприяти більш інклюзивному, взаємопов'язаному та ефективному підходу до вивчення та викладання іноземних мов.

Більше того, роль інноваційних технологій у вивченні та викладанні іноземної мови виходить за рамки аудиторних занять. Зі стрімким розвитком технологій ті, хто вивчає мову, мають доступ до безлічі онлайн-ресурсів, платформ для мовного обміну та мобільних додатків, які сприяють самостійному навчанню та безперервній мовній практиці. Ці інструменти дозволяють учням зануритися в цільову мову і культуру навіть за межами традиційного навчального середовища.

Інноваційні технології також враховують різноманітні навчальні стилі та вподобання людей. Вони пропонують широкий спектр мультимедійних матеріалів, таких як аудіозаписи, відео, інтерактивні вправи та ігрові додатки для вивчення мови, що відповідають різним методам навчання та підвищують зацікавленість учнів. Така персоналізація та адаптивність сприяють активній участі та мотивації, роблячи процес вивчення мови приємнішим та ефективнішим.

Крім того, використання інноваційних технологій у викладанні іноземних мов відкриває можливості для глобальної співпраці та культурного обміну. Завдяки відеоконференціям, онлайн-форумам і соціальним мережам студенти можуть спілкуватися з однолітками з різних куточків світу, які також вивчають ту саму мову. Це сприяє міжкультурному розумінню, заохочує до автентичного використання мови та надає ширший погляд на мову і культуру. Це також дозволяє учням практикувати свої мовні навички в реальних життєвих ситуаціях, долаючи таким чином розрив між класом і глобальною спільнотою.

Очікується, що в майбутньому роль інноваційних технологій у вивченні та викладанні іноземних мов продовжуватиме зростати. З появою штучного інтелекту (ШІ), машинного навчання та обробки природної мови платформи та додатки для вивчення мов стають все більш досконалими та персоналізованими. Віртуальні репетитори та чат-боти на основі ШІ можуть надавати негайний зворотній зв'язок, відповідати на запитання та адаптувати навчальний процес

до індивідуальних потреб. Такий підхід на основі штучного інтелекту може революціонізувати мовну освіту, зробивши її більш доступною, індивідуалізованою та ефективною.

Отже, інноваційні технології глибоко вплинули на сферу вивчення та викладання іноземних мов, надаючи учням персоналізований та захоплюючий досвід, а викладачам - потужні інструменти для викладання. Постійний розвиток технологій продовжує формувати ландшафт мовної освіти, сприяючи зв'язності, інклюзивності та навчанню впродовж усього життя. Використовуючи потенціал інноваційних технологій, ми можемо відкрити нові горизонти у вивченні мов, даючи можливість людям спілкуватися, налагоджувати зв'язки та процвітати у все більш взаємопов'язаному світі.

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QUESTIONNAIRE

1. Gender

Male

Female

2. Age

3. Educational Background

High School

Bachelor's Degree

Master's Degree

PhD/Doctorate

4. Have you used any innovative technologies to learn a foreign language?

Yes

No

5. How effective do you think innovative technologies are in learning a foreign language compared to traditional teaching methods?

Very effective

Somewhat effective

Somewhat ineffective

Not effective at all

6. In your experience, how has the use of innovative technologies affected your language learning outcomes?

Significantly improved my language skills

Slightly improved my language skills

No noticeable impact

Hindered my language learning progress

7. Which specific language skills do you believe innovative technologies can enhance the most?

Speaking

Reading

Writing

Grammar and vocabulary acquisition

Pronunciation

Other…

8. Would you prefer using innovative technologies as a primary method for learning a foreign language in the future?

Yes, exclusively

Yes, alongside traditional methods

No, prefer traditional methods only

9. Have you used mobile language learning applications (apps) for learning a foreign language?

Yes

No

10. If yes, please rate the effectiveness of mobile language learning apps in enhancing your language learning experience on a scale of 1 to 5 (1 being not effective, 5 being highly effective).

1

2

3

4

5

11. Have you used intelligent tutoring systems for learning a foreign language?

Yes

No

12. If yes, please rate the effectiveness of intelligent tutoring systems in enhancing your language learning experience on a scale of 1 to 5 (1 being not effective, 5 being highly effective).

1

2

3

4

5

13. What are the main advantages you perceive when using innovative technologies for learning a foreign language?

Improved engagement and motivation

Enhanced language proficiency

Personalized learning experience

Access to authentic language materials

Other…

14. What are the main challenges or disadvantages you perceive when using innovative technologies for learning a foreign language?

Technical issues or limitations

Lack of human interaction and feedback

Difficulty in staying focused and self-disciplined

Limited access to resources or devices

Other…

15. How do innovative technologies contribute to your motivation to learn a foreign language?

Makes learning more enjoyable and interactive

Provides immediate feedback and progress tracking

Offers gamification elements that increase motivation

Facilitates access to authentic cultural content

Other…

16. How do you stay motivated and engaged when using innovative technologies for language learning?

Setting goals and tracking progress

Participating in interactive activities or games

Joining online language learning communities or forums

Incorporating regular study routines

Other…

17. Do you believe that access to innovative technologies for language learning is readily available to all learners?

Yes, it is accessible to everyone

No, there are accessibility barriers

Unsure

18. Overall, how would you rate the impact of innovative technologies on your foreign language learning experience?

Very positive

Positive

Neutral

Negative

Very negative

19. How likely are you to continue using innovative technologies for language learning in the future?

Very likely

Somewhat likely

Uncertain

Somewhat unlikely

Very unlikely

20. If you were to recommend innovative technologies for language learning, which specific technologies or tools would you suggest?

21. How effectively do you think educational institutions are integrating innovative technologies into foreign language learning curricula?

Very effectively

Somewhat effectively

Neutral

Somewhat ineffectively

Not effectively at all

22. In your opinion, how do you foresee the long-term impact of innovative technologies on foreign language learning?

They will significantly improve language learning outcomes

They will moderately improve language learning outcomes

They will have a neutral impact on language learning outcomes

They will moderately hinder language learning outcomes

They will significantly hinder language learning outcomes

UNICHECK

> **Виявлено модифікації тексту (можуть впливати на відсоток схожості)**

2.6%
Схожість

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Модифікації

Виявлено модифікації тексту. Детальна інформація доступна в онлайн-звіті.

| Замінені символи | 1 |
| Підозріле форматування | 10 сторінок |