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INTEGRATION OF PODCAST TECHNOLOGY IN FOREIGN LANGUAGE TEACHING: THEORETICAL FOUNDATIONS, PEDAGOGICAL BENEFITS, AND POLICY IMPLICATIONS

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Abstract: This article examines the principles of selecting and integrating podcasts in the training of future English teachers. Podcasts provide authentic language input and promote listening and speaking skills. They foster learner autonomy and encourage independent study. The use of podcasts also enhances digital competence and prepares students for technology-rich classrooms. Overall, podcasts contribute to developing pedagogical awareness and professional readiness among future educators.

Keywords: podcasts; language learning; digital tools; pedagogical principles; advantages of podcasts.

CHET TILLARNI O'QITISHDA PODKAST TEXNOLOGIYASINI INTEGRATSIYALASH: NAZARIY ASOSLAR, PEDAGOGIK AFZALLIK VA TAMOYILLAR

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Annotatsiya: Ushbu maqolada kelajakdagi ingliz tili o'qituvchilarini tayyorlashda podkastlardan foydalanishning asosiy tamoyillari tahlil qilinadi. Podkastlar tinglash va gapirish ko'nikmalarini rivojlantiradi. Ular mustaqil o'rganishni rag'batlantiradi va o'quvchilarda o'z-o'zini boshqarish qobiliyatini shakllantiradi. Podkastlar raqamli kompetensiyalarni oshiradi va texnologiyaga boy sinf muhiti uchun tayyorlaydi. Shu tariqa, podkastlar kelajakdagi pedagoglarning pedagogik ongini va professional tayyorgarligini rivojlantirishga hissa qo'shadi.

Kalit so'zlar (Uzbek): podkastlar; ingliz tili o'qituvchilari ta'limi; til o'rganish; raqamli vositalar; pedagogik tamoyillar

ИНТЕГРАЦИЯ ТЕХНОЛОГИИ ПОДКАСТОВ В ОБУЧЕНИЕ ИНОСТРАННЫМ ЯЗЫКАМ: ТЕОРЕТИЧЕСКИЕ ОСНОВЫ, ПЕДАГОГИЧЕСКИЕ ПРЕИМУЩЕСТВА И ПРИНЦИПЫ

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Аннотация: В статье рассматриваются основные принципы выбора и интеграции подкастов для подготовки будущих преподавателей английского языка. Подкасты обеспечивают аутентичный языковой материал и способствуют развитию навыков аудирования и устной речи. Они поддерживают самостоятельное обучение и развивают автономию учащихся. Использование подкастов повышает цифровую компетентность студентов и готовит их к технологически насыщенной учебной среде. В целом, подкасты способствуют формированию педагогического

сознания и профессиональной готовности будущих преподавателей.

Ключевые слова: подкасты; подготовка учителей английского языка; изучение языка; цифровые инструменты; педагогические принципы

Introduction

In the digital age, educational technologies have significantly reshaped language teaching, promoting greater learner autonomy, engagement, and overall linguistic proficiency. Among these innovations, podcasts stand out as a highly flexible and accessible medium, providing authentic language exposure beyond the traditional classroom setting. Research demonstrates that podcasts not only enhance listening comprehension but also stimulate learner motivation and facilitate independent study through rich, real-world input and convenient access to content [1]. As a result, podcasts have become an indispensable tool in contemporary English language teaching, especially in higher education contexts where learner autonomy and digital literacy are prioritized [2].

Materials and Methods. Policy Context: Uzbekistan's Higher Education Environment

In Uzbekistan, the development of foreign language competence has become a strategic priority closely connected with socio-economic development, international cooperation, and global academic integration. This priority is reflected in several presidential decrees aimed not only at improving foreign language education but also at strengthening students' communicative competence through the modernization of teaching practices. In particular, the Presidential Decree "On Measures to Further Improve the System of Learning Foreign Languages" (PQ-1875, 2012) initiated comprehensive reforms in language education, including the renewal of teaching methodologies, the improvement of teacher training, and the introduction of modern information and communication technologies (ICT) into the educational process. Subsequent national strategies for the development of higher education further emphasized the importance of integrating digital educational resources and innovative technologies into university curricula in order to enhance the effectiveness of teaching and learning processes [3].

Within this policy framework, the use of podcasts in language education can be considered a practical implementation of these national priorities. As a digital educational resource, podcasts support the development of listening and speaking skills while promoting learner autonomy and continuous engagement with authentic language input. Therefore, their integration into university language classrooms aligns with national educational reforms aimed at incorporating ICT and digital tools into higher education, while simultaneously contributing to the preparation of graduates with strong communicative competence, research literacy, and professional adaptability in a globalized academic and professional environment [4].

Global Trends and Theoretical Underpinnings

In global language education research, podcasts are recognized for their potential to enrich language learning environments by offering authentic material that mirrors real-world communication. A systematic review of empirical studies indicates that podcast use enhances learners' listening, speaking, vocabulary, and motivational outcomes, owing to its availability, variety of content, and learner-centered flexibility [5]. Such benefits align with second language acquisition theories that emphasize input quality and learner engagement as critical factors in competency development [6]. Additionally, podcasts as digital audio materials offer multimodal input that supports both receptive and productive language skills beyond traditional textbooks and classroom lectures [7].

From a scientific perspective, podcasts provide immersive, context-rich language exposure that enhances listening and speaking skills. Their learner-driven, interactive nature supports engagement, individualized pacing, and cognitive processing, while multimodal cues improve retention and practical use of language structures.

Principles of Using Podcasts in Foreign Language Teaching (as shown in Figure 1):



In summary, the effective use of podcasts in training future English teachers should be based on principles of authenticity, pedagogical relevance, accessibility, methodological integration, communicative orientation, digital competence development, learner autonomy, and reflective pedagogy. These principles ensure that podcasts contribute not only to language development but also to the professional preparation of future educators.

Pedagogical Benefits of Podcasts in Language Education

Pedagogically, podcasts contribute to several key aspects of foreign language instruction:

- **Enhancement of Listening and Speaking Skills:**

Podcasts provide learners with sustained exposure to varied accents, speech rates, and conversational styles, leading to measurable improvements in listening comprehension and oral fluency [8].

- **Motivation and Learner Autonomy:**

Learners engage more actively when they can access relevant and interesting content on their own schedule. Podcasts stimulate intrinsic motivation and independent learning strategies, essential components of successful language acquisition [9].

- **Integration with Curriculum and Classroom Practice:**

When integrated into curricula, podcasts can be used for pre-listening tasks, post-listening discussions, and assessment preparation, bridging formal instruction with self-regulated learning[10].

Therefore, the pedagogical potential of podcasts lies in their capacity to simultaneously support several aspects of language learning. They provide authentic listening input that improves learners' listening comprehension and speaking fluency while also increasing motivation through flexible and independent access to learning materials.

In addition, when podcasts are purposefully integrated into classroom activities, they effectively connect guided instruction with autonomous learning practices. These viewpoints highlight the growing role of podcasts as a valuable tool in modern foreign language pedagogy.

Conclusion

Podcast technology represents an innovative and pedagogically sound approach to foreign language education. Its ability to provide authentic, accessible, and motivational input makes it a powerful tool for developing listening and speaking competencies, fostering learner autonomy, and enhancing overall language proficiency. Empirical evidence from international research highlights significant benefits when podcasts are thoughtfully integrated into curricula. In the context of Uzbekistan's higher education reforms, adopting podcasts aligns with national priorities to modernize language instruction, promote learner autonomy, and achieve communicative competence. Therefore, systematic integration of podcast technology into ELT practice should be supported by policy frameworks, teacher training initiatives, and carefully designed pedagogical strategies.

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ИНТЕЛЛЕКТУАЛЬНАЯ СИСТЕМА СИТУАЦИОННОГО АНАЛИЗА ВИДЕОПОТОКА С БЕСПИЛОТНОГО ЛЕТАТЕЛЬНОГО АППАРАТА НА ОСНОВЕ ВЕРОЯТНОСТНОЙ МОДЕЛИ

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Аннотация. В статье рассматривается задача построения интеллектуальной системы ситуационного анализа видеопотока, получаемого с беспилотного летательного аппарата. В отличие от систем, ограничивающихся детекцией отдельных объектов, предлагаемый подход ориентирован на вероятностную интерпретацию состояния наблюдаемой сцены. В качестве аппаратной основы используется ранее разработанная универсальная платформа БЛА для реализации задач технического зрения. Научная новизна работы состоит в формализации ситуационного анализа как задачи вероятностной классификации состояний на основе агрегированных признаков видеопотока с учётом их временной динамики. На основе принципа максимального правдоподобия получена логистическая модель классификации, расширенная введением динамического компонента. Предлагаемый подход ориентирован на применение в задачах мониторинга инженерных конструкций, технологических объектов и инфраструктуры.

Ключевые слова: беспилотный летательный аппарат, ситуационный анализ, компьютерное зрение, логистическая регрессия, вероятностная модель, временная динамика, интеллектуальная система.