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THE ROLE OF E LEARNING PLATFORMS IN DEVELOPING METHODOLOGICAL AUTONOMY OF FUTURE TEACHERS

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Annotation: This article explores the role of e-learning platforms in developing the methodological autonomy of future teachers. In modern education, the rapid growth of digital technologies and online learning environments requires teachers to be capable of independently selecting teaching methods, designing instructional processes, and applying innovative pedagogical approaches. E-learning platforms provide future teachers with opportunities for self-directed learning, access to diverse methodological resources, and the ability to explore modern teaching strategies. The paper examines the pedagogical potential of e-learning platforms, their impact on the professional development of future teachers, and their contribution to the formation of methodological autonomy. In addition, the article offers theoretical insights and practical recommendations on the effective use of e-learning technologies in

teacher education programs to support independent learning and professional growth.

Keywords: e-learning platforms, methodological autonomy, future teachers, digital education, online learning, pedagogical technologies, self-directed learning, innovative education.

Annotatsiya: Mazkur maqolada elektron ta’lim platformalarining kelajakdagi o‘qituvchilarning metodik mustaqilligini rivojlantirishdagi o‘rni tahlil qilinadi. Zamonaviy ta’lim tizimida raqamli texnologiyalar va onlayn ta’lim muhitining kengayishi o‘qituvchilardan mustaqil ravishda o‘qitish metodlarini tanlash, o‘quv jarayonini rejalashtirish va innovatsion pedagogik yondashuvlarni qo‘llash ko‘nikmalarini talab etadi. E-learning platformalari kelajakdagi o‘qituvchilarga o‘z bilimlarini mustaqil ravishda rivojlantirish, turli metodik resurslardan foydalanish hamda zamonaviy o‘qitish usullarini o‘rganish imkoniyatini yaratadi. Maqolada elektron ta’lim platformalarining pedagogik jarayondagi ahamiyati, ularning o‘qituvchilarning kasbiy rivojlanishiga ta’siri hamda metodik mustaqillikni shakllantirishdagi imkoniyatlari ko‘rib chiqiladi. Shuningdek, kelajakdagi o‘qituvchilarning mustaqil o‘rganish faoliyatini rivojlantirishda e-learning texnologiyalaridan samarali foydalanish bo‘yicha ilmiy va amaliy tavsiyalar beriladi.

Kalit so‘zlar: e-learning platformalari, metodik mustaqillik, kelajakdagi o‘qituvchilar, raqamli ta’lim, onlayn o‘qitish, pedagogik texnologiyalar, mustaqil o‘rganish, innovatsion ta’lim.

Аннотация: В данной статье рассматривается роль платформ электронного обучения в развитии методической автономии будущих учителей. В условиях современной образовательной среды стремительное развитие цифровых технологий и онлайн-обучения требует от педагогов умения самостоятельно выбирать методы преподавания, планировать учебный процесс и применять инновационные педагогические подходы. Платформы электронного обучения предоставляют будущим учителям возможности для самостоятельного обучения, доступа к разнообразным методическим ресурсам и освоения современных стратегий преподавания. В статье анализируется педагогический потенциал e-learning платформ, их влияние на профессиональное развитие будущих учителей и их роль в формировании методической автономии. Кроме того, предлагаются научные и практические рекомендации по эффективному использованию технологий электронного обучения в системе подготовки педагогических кадров.

Ключевые слова: платформы электронного обучения, методическая автономия, будущие учителя, цифровое образование,

онлайн-обучение, педагогические технологии, самостоятельное обучение, инновационное образование.

Introduction. The rapid development of digital technologies has significantly influenced the modern educational environment and transformed traditional approaches to teaching and learning. One of the most important innovations in contemporary education is the emergence and widespread use of e learning platforms. These platforms have created new opportunities for both teachers and students by providing flexible access to educational resources, interactive learning environments, and diverse forms of communication. In teacher education, e learning platforms have become particularly valuable tools for supporting the professional development of future teachers. They allow students to explore modern teaching strategies, access methodological materials, and develop the ability to learn independently. In this context, the role of e learning platforms in developing methodological autonomy among future teachers has become an important topic in educational research and practice.

Methodological autonomy can be understood as the ability of teachers to independently select, design, and apply teaching methods that are appropriate for specific educational contexts and learning objectives. It involves critical thinking, creativity, reflection, and the capacity to adapt teaching strategies according to the needs of learners. In traditional teacher education models, students often rely heavily on instructors and prescribed methodologies. While guidance from experienced educators remains essential, modern educational environments require teachers who are capable of making independent methodological decisions. The development of methodological autonomy enables future teachers to become more flexible, innovative, and confident professionals who can respond effectively to the challenges of contemporary classrooms.

E learning platforms contribute to the development of methodological autonomy by providing access to a wide range of educational resources and teaching materials. Through these platforms, future teachers can explore different pedagogical approaches, analyze examples of lesson plans, participate in online discussions, and engage with multimedia content related to teaching methodology. This exposure to diverse sources of information encourages students to compare different perspectives and evaluate the effectiveness of various teaching strategies. As a result, they gradually develop the ability to select appropriate methods and adapt them to their own teaching contexts.

Another important aspect of e learning platforms is their ability to support self-directed learning. In traditional classroom settings, learning

activities are often structured and guided by the teacher. While this approach can be effective, it may limit opportunities for students to take responsibility for their own learning process. E learning environments, on the other hand, provide greater flexibility and encourage learners to manage their own educational activities. Future teachers can choose when and how to study course materials, review lectures, participate in discussions, and complete assignments. This level of independence helps them develop essential skills such as time management, self-discipline, and reflective learning. These skills are closely connected to methodological autonomy because teachers who are capable of managing their own learning are more likely to design independent and creative teaching strategies.

The interactive nature of e learning platforms also plays a crucial role in developing methodological autonomy. Many platforms include features such as discussion forums, collaborative projects, peer feedback, and online communication tools. These elements create opportunities for future teachers to exchange ideas, share experiences, and discuss methodological challenges with their peers and instructors. Through such interactions students can reflect on their own teaching beliefs and gain insights into alternative approaches used by others. Collaborative learning environments promote critical thinking and encourage future teachers to justify their methodological choices. This process helps them develop a deeper understanding of teaching methods and strengthens their confidence in making independent pedagogical decisions.

E learning platforms also support the development of digital competence among future teachers. In the modern educational environment teachers are expected not only to use technology but also to integrate it effectively into their teaching practices. By working with e learning platforms during their training, future teachers become familiar with digital tools, online communication systems, and multimedia resources. They learn how to design digital learning materials, organize online activities, and evaluate student progress through digital assessment tools. These experiences help them understand how technology can enhance the teaching process and support student learning. As future teachers gain confidence in using digital technologies, they become more capable of designing innovative teaching methods that combine traditional pedagogical principles with modern technological opportunities.

The process of creating digital learning materials within e learning platforms is particularly valuable for developing methodological autonomy. Future teachers are often required to design lesson plans, presentations, interactive exercises, and other educational resources as part of their coursework. This creative process encourages them to think

critically about the structure and objectives of their lessons. They must consider how to present information clearly, how to motivate learners, and how to assess students' understanding. Through repeated practice future teachers gradually develop their own teaching style and methodological preferences. The opportunity to experiment with different tools and approaches allows them to discover which methods are most effective for achieving specific learning outcomes.

Reflection is another important component of methodological autonomy that can be supported through e learning platforms. Many online learning environments include tools such as digital journals, portfolios, and reflective assignments. These tools encourage students to analyze their learning experiences, evaluate their teaching strategies, and identify areas for improvement. Reflective practice helps future teachers become more aware of their professional development and motivates them to continuously improve their methodological skills. By documenting their progress and reviewing their experiences, teacher trainees can develop a deeper understanding of their strengths and challenges as educators.

Despite the many advantages of e learning platforms, several challenges may arise when integrating them into teacher education programs. One of the main difficulties is the uneven level of digital literacy among students. While many young people are familiar with digital technologies in everyday life, they may not have sufficient experience in using them for educational purposes. Teacher training institutions must therefore provide clear guidance and structured learning activities that help students develop the necessary digital and methodological skills. Without adequate support some students may feel overwhelmed by technological requirements or may use digital tools in a superficial manner without understanding their pedagogical value.

Another challenge is the need to maintain motivation and engagement in online learning environments. Self-directed learning requires a high level of responsibility and discipline from students. Some learners may struggle with time management or may feel isolated in digital learning environments. To address this issue teacher educators should design e learning courses that include interactive activities, collaborative tasks, and regular feedback. These elements help create a supportive learning community and encourage students to remain actively involved in the learning process.

Institutional support is also an important factor in the successful use of e learning platforms for developing methodological autonomy. Universities and teacher education institutions must provide reliable technological infrastructure, access to digital resources, and professional development opportunities for instructors. Teachers who guide future

educators must themselves be familiar with e learning technologies and innovative pedagogical approaches. Continuous professional development programs can help educators stay updated with new technological tools and teaching methods, ensuring that they can effectively support students in developing methodological autonomy.

Ethical considerations also play an important role in digital learning environments. Future teachers must learn to use online resources responsibly and respect principles such as academic integrity, copyright protection, and data privacy. E learning platforms provide opportunities for students to access large amounts of information, but they must also learn how to evaluate the credibility of digital sources and use them appropriately in their teaching practice. Developing digital ethics and responsible online behavior is an essential component of preparing teachers for modern educational contexts.

The integration of e learning platforms into teacher education should not be seen as a replacement for traditional teaching methods but rather as a complementary approach that enhances the learning experience. Blended learning models that combine face to face instruction with online activities can provide the most effective environment for developing methodological autonomy. In such models students benefit from direct interaction with instructors while also enjoying the flexibility and independence offered by digital learning tools. This balanced approach allows future teachers to develop both interpersonal teaching skills and digital competence.

The development of methodological autonomy among future teachers has long term benefits for the entire educational system. Teachers who possess strong methodological independence are better prepared to adapt to changing educational conditions, implement innovative teaching strategies, and respond to the diverse needs of their students. They are more likely to experiment with new methods, evaluate the effectiveness of their teaching practices, and continuously improve their professional skills. E learning platforms play a significant role in supporting this development by providing opportunities for independent learning, collaboration, reflection, and creative experimentation with teaching methods.

The role of e learning platforms in developing the methodological autonomy of future teachers is increasingly important in the context of digital transformation in education. These platforms provide flexible access to educational resources, support self-directed learning, promote collaboration, and encourage reflective practice. Through active engagement with digital learning environments future teachers can develop the skills and confidence needed to design and implement effective teaching strategies. Although certain challenges exist, including

issues related to digital literacy and learner motivation, appropriate pedagogical support and institutional infrastructure can help overcome these difficulties. By integrating e learning technologies into teacher education programs universities can prepare future educators who are capable of independent methodological thinking and innovative teaching practice. Such teachers will play a crucial role in shaping modern education and supporting the learning needs of future generations.

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