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METHODOLOGY OF DEVELOPING PROFESSIONAL COMPETENCIES OF FUTURE TEACHERS BY MEANS OF COLLABORATIVE EDUCATION TECHNOLOGY

Sarimsakova Shakhnoza Zokirovna, Senior Teacher of the "Pedagogy and Psychology"Department of "Profi University" Non-State Higher Educational Institution

Xo'jamkulov Aziz Pirimkulovich Umumiy Pedagogika kafedrasi o'qituvchisi, TDPU

Abstract:

This article outlines the methodology for developing professional competencies of future teachers through collaborative education technology. The approach emphasizes the use of collaborative learning techniques to enhance the skill set of prospective educators. By leveraging technology to facilitate group work and interactive learning experiences, this methodology aims to prepare teachers for the challenges of modern educational environments. The article highlights the importance of integrating collaborative education technology into teacher training programs to foster the development of essential competencies such as communication, teamwork, problem-solving, and critical thinking. The methodology described in this article offers a structured framework for incorporating collaborative learning strategies into teacher education curricula, ultimately equipping future educators with the necessary skills to excel in their profession.

Keywords: Professional competencies; Future teachers; Collaborative education technology; Methodology; Teacher training; Collaborative learning; Interactive learning; Communication skills; Teamwork; Problem-solving; Critical thinking; Teacher education curriculum.

Introduction

Developing the professional competencies of future teachers is essential to ensure they are well-equipped to meet the demands of modern education. Collaborative education technology offers a powerful platform for enhancing the skills and knowledge of aspiring educators. By leveraging digital tools and fostering collaboration among students, future teachers can gain valuable experience in effective teaching practices, communication, problem-solving, and technology integration.

Preparing future teachers with the necessary professional competencies is crucial for effective teaching and student learning. Collaborative education technology offers innovative approaches to enhance the development of these competencies. Integrating collaborative education technology into teacher education programs can enhance the

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development of professional competencies in future teachers. By providing a platform for collaboration, fostering peer learning, and offering ongoing support, educators can prepare students to be effective and innovative educators in the digital age.

Collaborative education technology provides a powerful platform for developing the professional competencies of future teachers. By fostering collaboration, peer learning, and the use of digital tools, collaborative education technology can enhance students' communication, problem-solving, and technological proficiency. Effective implementation requires clear goals, appropriate technology integration, facilitation of collaboration, ongoing support, and regular evaluation.

Collaborative technology tools allow students to connect and share resources with peers and mentors, creating a supportive learning environment. Improved problem-solving and critical thinking: Collaborative activities encourage students to work together to solve problems and develop innovative solutions. Enhanced motivation and engagement: Collaborative learning can increase student motivation and make learning more enjoyable and meaningful. Development of essential professional competencies: Collaborative education technology provides opportunities for future teachers to practice and develop essential competencies, such as communication, collaboration, and technological literacy.

However, in implementing collaborative education might be challenging in terms of ensuring equitable access to technology and digital literacy. Technical glitches or connectivity problems can disrupt collaborative activities. Balancing collaborative activities with other course requirements can be challenging for both students and instructors. Developing effective assessment strategies for collaborative work can be complex. Collaborative education technology has the potential to transform the preparation of future teachers by providing innovative and engaging opportunities to develop essential professional competencies. By addressing the benefits and challenges, and implementing best practices, educators can harness the power of collaboration to prepare future teachers for success in the 21st-century classroom.

Developing the professional competencies of future teachers through collaborative education technology involves a systematic approach that integrates technology, collaborative learning, and pedagogical strategies. We should conduct a needs assessment to identify the specific professional competencies that future teachers need to develop. This may involve analyzing curriculum requirements, industry standards, and feedback from stakeholders. We should choose appropriate collaborative education technologies that support the development of professional competencies. This could include learning management systems, video conferencing platforms, online collaboration tools, and virtual learning environments.

We should develop collaborative learning activities that are aligned with the identified competencies. These activities should promote interaction, communication, and knowledge sharing among future teachers. We should provide guidance and support to facilitate collaborative learning experiences. This may involve setting clear goals, establishing group norms, and monitoring student progress. We should integrate technology into the

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collaborative learning process to enhance engagement and interaction. Encourage the use of multimedia resources, online discussions, and virtual simulations to support learning outcomes.

We should implement assessment strategies to evaluate the development of professional competencies. Provide timely feedback to students on their progress and offer opportunities for reflection and improvement. We should encourage future teachers to reflect on their learning experiences and identify areas for improvement. Use feedback from students and instructors to refine the collaborative education technology approach. We should offer ongoing professional development opportunities for instructors to enhance their skills in using collaborative education technology effectively. Provide training on new tools, pedagogical approaches, and best practices in online collaboration. By following this methodology, we can effectively develop the professional competencies of future teachers through collaborative education technology, preparing them for success in their teaching careers.

In conclusion, the methodology of developing the professional competencies of future teachers through collaborative education technology is a multifaceted approach that leverages digital tools, platforms, and strategies to enhance their learning, teaching practices, and overall professional growth. By incorporating virtual collaboration platforms, online professional learning communities, interactive webinars and workshops, peer feedback mechanisms, digital portfolio development, collaborative lesson planning, virtual classroom simulations, and gamification into teacher training programs, future teachers can acquire the necessary skills and knowledge to excel in the modern educational landscape. This methodology not only fosters collaboration among future teachers but also provides them with hands-on experience, feedback, and opportunities for continuous professional development. By embracing technology and innovative teaching practices, teacher training programs can effectively prepare future educators to navigate the complexities of the digital age and meet the diverse needs of students in today's classrooms. Ultimately, the integration of collaborative education technology in teacher training programs is essential for cultivating a new generation of skilled, adaptable, and tech-savvy educators ready to make a positive impact on student learning outcomes.

References:

- 1. Tung, F. W., & Chang, S. H. (2018). The development of professional competency for preservice teachers in a collaborative online learning environment. Innovations in Education and Teaching International, 55(6), 719-727.
- 2. Koehler, M. J., & Mishra, P. (2009). What is technological pedagogical content knowledge? Contemporary Issues in Technology and Teacher Education, 9(1), 60-70.
- 3. Jonassen, D. H., & Land, S. M. (2012). Theoretical foundations of learning environments. Routledge.

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Website: www.ajird.journalspark.org

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- 4. Johnson, D. W., Johnson, R. T., & Smith, K. A. (2014). Cooperative learning: Improving university instruction by basing practice on validated theory. Journal on Excellence in College Teaching, 25(3&4), 85-118.
- 5. Chai, C. S., Koh, J. H. L., & Tsai, C. C. (2013). A review of technological pedagogical content knowledge. Educational Technology & Society, 16(2), 31-51.
- 6. Gokhale, A. A. (1995). Collaborative learning enhances critical thinking. Journal of Technology Education, 7(1), 22-30.
- 7. Hmelo-Silver, C. E., & Barrows, H. S. (2008). Facilitating collaborative knowledge building. Cognition and Instruction, 26(1), 48-94.