

**IMPROVING THE METHODOLOGY OF DEVELOPING PROFESSIONAL  
COMPETENCE OF FUTURE SPECIALISTS THROUGH INTERACTIVE  
PLATFORMS**

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**Abstract:**

This article presents an analysis of methods for improving the professional competence of future specialists through the use of interactive digital platforms in the educational process. Modern education increasingly relies on digital technologies to enhance learning efficiency, engagement, and practical skill development. Interactive platforms provide opportunities for collaborative learning, real-time feedback, and personalized educational experiences. The study emphasizes the importance of integrating modern digital tools into the teaching process to develop professional competencies required in contemporary labor markets. The results show that the use of interactive platforms positively influences students' motivation, independent learning skills, and practical knowledge acquisition.

**Keywords:** professional competence, interactive platforms, digital education, teaching methodology, future specialists, educational technologies, online learning.

**Introduction**

In the modern digital era, the requirements for professional specialists are rapidly evolving. Employers expect graduates not only to possess theoretical knowledge but also to demonstrate practical skills, creativity, and the ability to work with modern technologies. Therefore, higher education institutions must adapt their teaching methodologies to meet these new demands.

One of the most promising approaches in modern education is the use of interactive digital platforms. These platforms enable teachers to organize learning activities in a more engaging and effective manner, allowing students to actively participate in the learning process. Interactive tools facilitate collaboration, communication, and problem-solving skills, which are essential components of professional competence.

The main objective of this article is to analyze the methodology of developing professional competence among future specialists using interactive platforms and to evaluate their effectiveness in the educational process.

**Research Methods**

This research is based on theoretical and methodological analysis of modern educational technologies used for developing professional competencies. At the first stage, scientific literature on digital pedagogy, professional competence development, and interactive learning technologies was reviewed.

At the second stage, a comparative analysis was conducted to examine the effectiveness of interactive platforms compared with traditional teaching methods. Various educational platforms and digital tools used in higher education were analyzed in terms of their potential for improving learning outcomes.

Additionally, logical analysis, observation, and generalization methods were applied to evaluate the role of interactive platforms in enhancing students' professional skills, critical thinking, and independent learning abilities.

**Results**

The results of the study demonstrate that the integration of interactive platforms into the educational process significantly contributes to the development of professional competence among students. These platforms provide opportunities for active participation, collaborative learning, and immediate feedback from instructors.

Interactive tools allow students to engage in discussions, complete practical assignments, and participate in simulations that reflect real professional situations. This approach helps students connect theoretical knowledge with practical application.

Furthermore, the use of digital platforms encourages independent learning and improves students' motivation. Many platforms provide multimedia content, quizzes, and interactive tasks that make learning more engaging and effective.

However, the effectiveness of these platforms largely depends on the methodological approach used by educators and the level of digital literacy among both teachers and students.

### **Discussion**

The findings indicate that interactive platforms play an important role in modernizing the educational process and improving the quality of professional training. Their use supports student-centered learning, which focuses on active participation and practical skill development.

Compared with traditional teaching methods, interactive platforms provide greater flexibility and accessibility in the learning process. Students can access educational materials anytime and anywhere, which supports continuous learning and knowledge reinforcement.

Despite these advantages, certain challenges remain. These include the need for technical infrastructure, teacher training in digital pedagogy, and ensuring equal access to technological resources for all students. Addressing these issues is essential for maximizing the potential of interactive learning technologies.

### **Conclusion**

In conclusion, the use of interactive platforms in the educational process significantly improves the methodology of developing professional competence among future specialists. These technologies enhance student engagement, promote independent learning, and support the acquisition of practical skills.

Although challenges related to infrastructure and digital literacy remain, the integration of interactive platforms represents an important step toward modernizing education and preparing students for the demands of the contemporary labor market. Understanding and effectively implementing these technologies will contribute to the formation of highly qualified and competitive professionals in the future.

### **References**

1. Armstrong, S. J., & Mahmud, A. (2008). Experiential Learning and the Acquisition of Managerial Tacit Knowledge. *Academy of Management Learning & Education*, 7(2), 189–208.
2. Ashforth, B. E., & Mael, F. (1989). Social Identity Theory and the Organization. *The Academy of Management Review*, 14(1), 20–39.
3. Bertrand, M. G., & Namukasa, I. K. (2023). A pedagogical model for STEAM education. *Journal of Research in Innovative Teaching & Learning*, 16(2), 169-191.
4. Bloor, G., & Dawson, P. (1994). Understanding Professional Culture in Organizational Context. *Organization Studies*, 15(2), 275-295.
5. Curzi, Y., Fabbri, T., Scapolan, A. C., & Boscolo, S. (2019). Performance appraisal and innovative behavior in the digital era. *Frontiers in psychology*, 10, 1659.
6. Ellinas, C., Allan, N., & Johansson, A. (2017) Dynamics of organizational culture: Individual beliefs vs. social conformity. *PLoS ONE*, 12(6), e0180193.

7. Fadieieva, L. O. (2023). Adaptive learning: a cluster-based literature review (2011-2022). *Educational Technology Quarterly*, 3, 319–366.
8. Glaister, K. W. (2014). The contribution of management to economic growth: a review. *Prometheus*, 32(3), 227-244.
9. Joseph, O. O., & Kibera, F. (2019). Organizational Culture and Performance: Evidence From Microfinance Institutions in Kenya. *SAGE Open*, 9(1).
10. Kryshtanovych, S., Bilyk, O., Shayner, H., Barabash, O., & Bondarenko, V. (2021). Study of the Experience of the Formation of Professional Competence in Future Managers of Physical Education and Sports. *Revista Romaneasca Pentru Educatie Multidimensionala*, 13(1Sup1), 162-176.