



DEVELOPMENT OF MILITARY-PATRIOTIC EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGIES AND MULTIMEDIA TOOLS

Salimov Javohir Abdumumin ugli

*Master's Student, Nizami National Pedagogical
University of Uzbekistan*

Research Objective

The aim of the research is to increase the effectiveness of developing military-patriotic feelings and professional-practical skills among university students by improving the pedagogical mechanisms for using information and communication technologies and multimedia tools in the educational process.

Research Objectives

- To analyze the theoretical and pedagogical foundations of using information and communication technologies (ICT) and multimedia tools in military-patriotic education.
- To develop a set of interactive multimedia resources for the educational process, including 3D models, electronic learning modules, military-historical reconstructions, and visual simulators.
- To substantiate the effectiveness of the developed digital pedagogical materials through experimental work involving students majoring in pre-conscription military education.

Methodology and Methods

The research employed the analysis of scientific and pedagogical literature, pedagogical observation, case study, interactive modeling, educational simulation, and mathematical-statistical processing of experimental results using Student's t-test.

Research Results

- The pedagogical conditions for implementing a multimedia model that integrates textual, audio, visual, and interactive components were identified to ensure the effective organization of military-patriotic education.
- It was established that presenting difficult-to-master topics, including tactical training, drill training, shooting training, and military-historical events through 3D modeling and videography can increase students' level of knowledge acquisition by 25–30%.



➤ The cognitive, emotional-value, and activity-based criteria for assessing students' classroom engagement and patriotic feelings through multimedia tools, including interactive assignments, case studies, and testing platforms, were identified.

Conclusion and Practical Recommendations

The use of multimedia electronic textbooks and interactive learning platforms in military-patriotic education and pre-conscription military education classes is an important factor in improving the quality of education.

It is necessary to create a 3D digital database of military-historical sites and tactical processes at higher education institutions and other educational establishments and integrate it into the educational process.

It is recommended to introduce special teaching and methodological manuals and multimedia modules aimed at enhancing the digital-pedagogical competence of future military education teachers.

In our view, information transmitted through multimedia technologies is retained in students' memory more quickly and more effectively than conventional textual information. Video materials, documentaries, animated educational resources, and virtual exhibitions influence young people's emotions and contribute to the deeper development of patriotic feelings. In particular, virtual museums and remote excursions provide students with an opportunity to become more familiar with historical monuments and military sites that may be difficult to visit in person. This, in turn, contributes to a deeper understanding of historical events and the development of national identity.

A distinctive advantage of information and communication technologies is that they develop students' abilities for independent analysis and creative thinking. Online platforms, virtual conferences, and webinars focused on military-patriotic education provide young people with opportunities to express their views freely and participate in collective discussions and debates. Such interactive forms of communication contribute to strengthening young people's civic position, social engagement, and sense of responsibility for the future of their country.

At the same time, practical training sessions and simulation programs based on digital technologies help students acquire important aspects of military activity from both theoretical and practical perspectives. This approach increases young people's interest in military service and strengthens their psychological and physical preparedness. Educational content that meets the requirements of the modern digital information environment can significantly improve the effectiveness of the educational process.





References

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