

***EFFECTIVENESS OF IMPLEMENTING COMPUTER TECHNOLOGIES  
IN THE MANAGEMENT SYSTEM OF EDUCATIONAL INSTITUTIONS IN  
UKRAINE***

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**Introduction.** Currently, in Ukraine, intensive work is underway both to improve traditional automated management systems and to implement new information technologies based on distributed information processing. Enhancing the effectiveness and efficiency of management systems in educational institutions requires the computerization of all management subsystems without exception. Real improvement in the quality of managers' work necessitates addressing numerous issues related to digitalization and the effective use of computer technologies, interconnected into a unified cycle that mutually conditions each other.

An analysis of scientific research in computerization and the implementation of computer technologies in education management has shown that the issue of increasing the professional competence of educational institution leaders regarding the effective use of information and computer technologies is insufficiently explored and requires further theoretical and practical development. This creates a need for a thorough examination of the peculiarities of applying information and computer technologies to automate management processes in educational institutions.

**The aim of the study** is to theoretically substantiate the importance of using computer technologies in the management of educational institutions; to analyze universal and specialized software products for solving specific educational tasks; and to identify a database that encompasses systems for collecting, registering, storing, and processing data to enable effective management of educational institutions.

General computerization, characteristic of the current stage of societal development, creates optimal preconditions for solving the entire complex of tasks faced in the field of scientific management of educational institutions. Proper standardization of the procedures for data entry and analysis is possible only through the use of modern computing technology and the development of algorithmic tools for solving certain classes of problems in the management of educational establishments.

**Methods of the research.** To achieve the research objectives, the study employed the bibliosemantic method (synthesis and critical evaluation of information from scientific publications), comparative analysis (of research results presented in the literature), generalization and systematization of the collected data, questionnaires, observations, and statistical analysis of the obtained data.

**Results of the study.** The large volumes of information, the need to control and systematize numerous documents, personal data, results of inspections aimed at eliminating deficiencies and violations, and the methodological guidance of subordinate educational units all create a demand for intensifying the processes of data reception, processing, and dissemination based on modern computer technologies.

The implementation of computer networks in management and the possibility of exchanging emails with all participants of the educational process and other organizations will significantly reduce the time required to process materials, leading to increased efficiency of educational institution managers, reduced workload related to printed materials, and decreased workload for staff in the organizational department.

The introduction of computer information systems improves the management processes of educational institutions and rationalizes the management system. Personnel workload is reduced, the number of technical staff involved in document preparation decreases, and the volume of information received by the organizational department is significantly diminished, allowing for better systematization of documentation. The functions of the organizational department are transferred to the computer department.

We have identified and analyzed technologies, including learning management systems, automated information management systems in education, ERP systems, cloud services, and mobile applications, and integrated communication platforms that enhance management transparency, decision-making speed, and overall effectiveness of educational institutions.

**Conclusions.** The conducted analysis revealed insufficient development of several tasks related to the phased implementation of computer technologies in the management of educational institutions. It is logical to assume that further development of these underexplored aspects and the practical application of existing knowledge, databases, and software products will contribute to improving the efficiency of managers as well as the overall management of educational institutions.

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