



## Informatization of Educational Quality Management in Preschool Educational Organizations

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### **Abstract**

In this article, the priority directions of information management are given by using digital technologies to improve the quality of education in the preschool education system, analyzing their possibilities. Also, the article provides suggestions on the importance of managing preschool education organizations through the introduction of digital technologies and how to implement them. In addition, the main problems that need to be solved regarding the introduction of digital technologies in shaping the information-educational environment in the preschool educational organization, the directions of the leader's work with information, the formation of the basics of information culture in pedagogues, and the work with the parents of the students are indicated.

**Keywords:** *Management; Quality of Education; Digital Technologies; Preschool Education System; Modern Education; Management Informatization*

### **Introduction**

Informatization of society is a global social process, which is characterized by the collection, collection, processing, storage, transmission and use of information produced with the help of modern information technologies and various methods of information exchange.

The volume of information resources is increasing year by year, and today modern technologies significantly expand the potential of pedagogues and parents in the field of early education and training of children, help to develop the child's abilities more fully and successfully. With the help of digital technologies, preschool teachers can display new information on the screen in the form of a game, which increases children's interest in activities.

Today, the active use of digital technologies has become a part of the educational process, which does not exclude the use of traditional methods in this process, but is combined with them.

In his research, U. Begimkulov revealed the content of the organizational foundations of training pedagogues in the direction of information and communication technologies in education. According to the researcher's scientific research, informatization of education means the use of modern information

technologies in the implementation of the psychological and pedagogical goals of education, the organization of an electronic information-educational environment in the educational system, the creation of electronic information-educational resources in the field of education, the practice and methodology of introducing computer technologies. is intended to provide [2].

### **The Main Findings and Results**

As there is management in every field, there is management in education, which has been researched for several years.

Management in education is considered in foreign experience practices as "...focusing on the process of making important decisions" [4].

What is management? Management is an English word and according to the definition given in the Oxford English Dictionary it is:

- management authority and art;
- special resource management skills and administrative skills are understood [10].

Quality management of education is of particular importance for effective management in education.

In many dictionaries, the quality of education is to determine a certain level of knowledge and to be in accordance with the goals of planning the skills, mental, moral and physical development of learners; it is carried out to determine the level of satisfaction of the participants of the educational services provided by the educational institution.

F.A. Abdullaev, who researched the quality of education. According to him, the competences acquired by the students are in accordance with the state standards and the successful operation of the educational institution, as well as the activity of each pedagogical team in ensuring the quality of educational services [1].

Researcher M.A. Yuldashev described it as follows. The quality of education is not only the compliance of students' knowledge with the state standards, but also the successful operation of the educational institution, as well as the result of the activities of each pedagogue and leader in ensuring the quality of educational services [11].

Through the introduction of digital technologies, the didactic component of the educational environment of the preschool educational organization is supplemented with media library, presentations, didactic materials, etc. This allows pedagogues to make training more interesting, meaningful and effective by using presentations and video materials using modern information technologies in the educational process. In this case, an information-educational environment will be created in pre-school education organizations. Fig. 1.

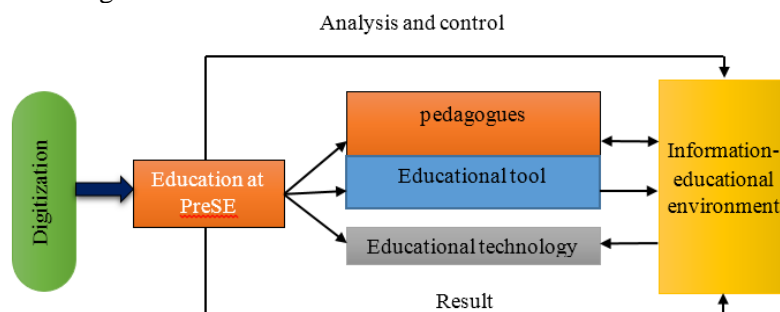
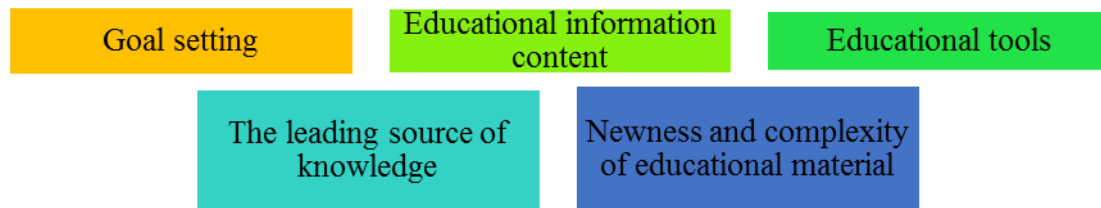


Figure 1. Information-educational environment in preschool educational organization

Figure 1 shows the formation of the information-educational environment in the preschool education organization. The drawing shows the creation of an information-educational environment and the achievement of results by controlling the use of educational tools by pedagogues in the educational process of the preschool educational organization through digitization.

Educational tools are auxiliary materials that visually present training materials and at the same time increase the effectiveness of teaching [6].

The factors that determine the choice of educational tools in training are as follows:



The control and diagnostic function is to check the level of goal orientation of tasks and implementation of plans to all stages of the educational process, to determine the negative and positive aspects of the current situation.

Analysis and control data allow to support the management system and training process participants at a certain functional and developmental level.

When planning a control, we need to determine:

- what should be controlled;
- who controls;
- control periods;
- control methods.

Digital technologies are a multifunctional mechanism for managing the modern educational process, and appear as a method and tool for solving educational tasks.

One of the goals of introducing digital technologies to the preschool education organization is to inform the management activities of the preschool education organization.

Today, when it comes to different levels of educational services, preschool educational organizations are given the right to independently choose educational programs in accordance with the requirements of the state educational standard, as well as to develop their own programs.

Indicators of the quality of education are not only compliance with the standard requirements of the program, the quality of its content, but also the level of implementation.

The main problems that need to be solved in the organization of activities of a preschool educational organization are as follows: conceptual approaches to the management of educational quality, organization development program as a management decision in changing the preschool education system, forms of organization of specialists as a psychological mechanism that ensures the development of professional creativity and the achievement of educational quality, educational organizations information.

Digital technologies and developed programs make it possible to implement the "Information vertical" of educational quality management, providing leaders with up-to-date information on all aspects of the organization's activities: education, training, management, health care. Figure 2.

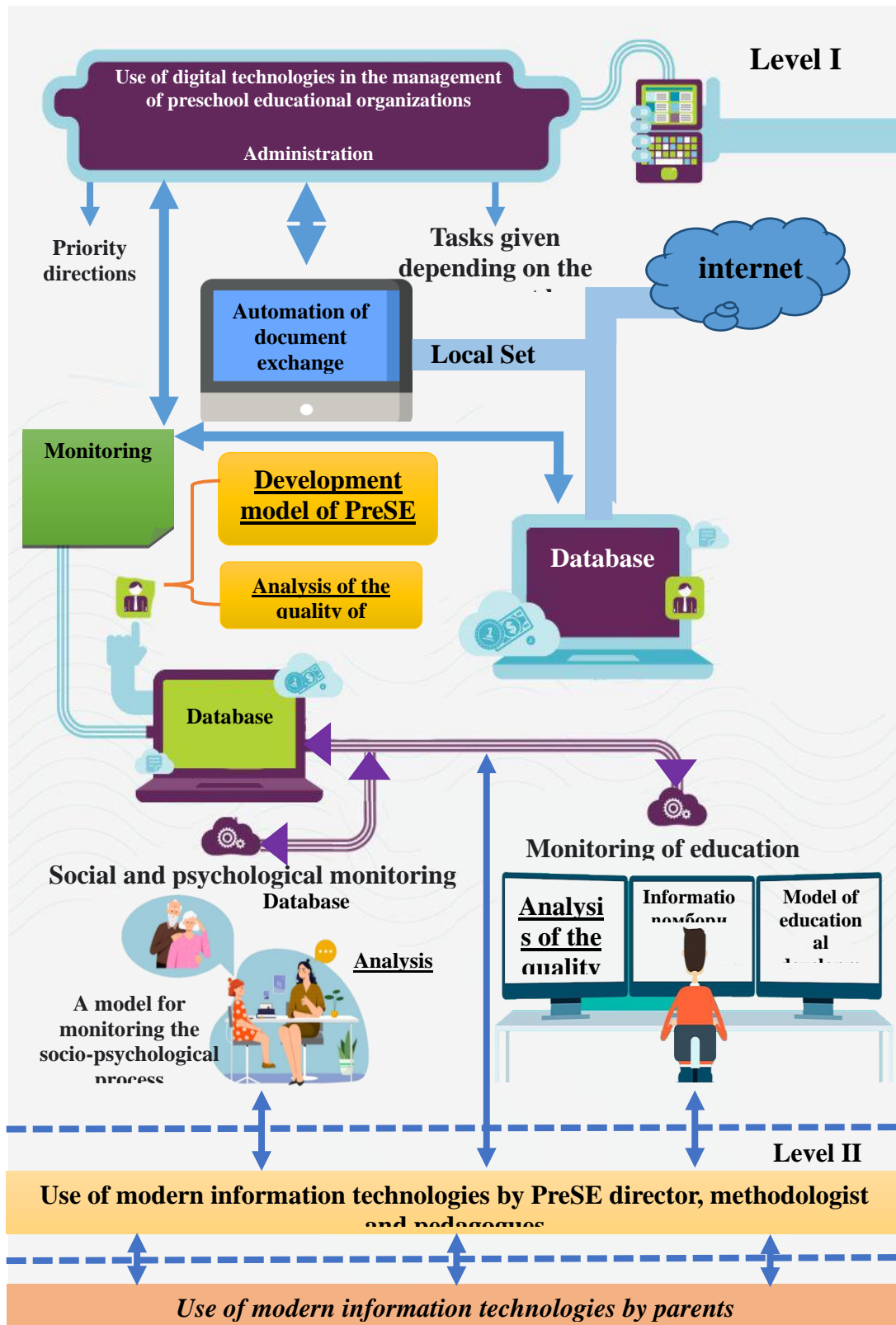


Figure 2. Vertical management structure of preschool educational organizations

In order to create a unified information space of a preschool education organization, first of all, it is necessary to create a pedagogical database within the preschool education organization, determine its

content and size, control information flows, select methods of data collection, and effectively use and store information [9]

Difficulties in implementing digital technologies [8]:

- insufficient readiness of pedagogical teams for informatization of education;
- lack of ideas about the possibilities of computer training programs, lack of methodical developments for their use;
- the cost of computer technology tools;

Solving this problem in the conditions of educational informatization requires retraining of pedagogical personnel based on the requirements of the "Professional Standard of the Pedagogue".

In the analysis of digitization as an important part of modern educational process management and as an information space of a preschool educational organization in which all subjects of the educational process participate, we can set ourselves the following tasks:

- creation of a single information space in the preschool education organization;
- increase information competence of pedagogic personnel;
- active application of digital technologies to management and educational processes;
- increase the level of information culture of subjects of preschool education organization;
- creating informative and didactic, methodical developments on the use of modern information technologies.

The software part of modern information and communication technology tools consists of installing software on all computers of the preschool education organization, creating an electronic platform for the preschool education organization.

The electronic platform is the "Face" of the educational organization. The electronic platform displays general information about the preschool education organization, the composition of pedagogues, their qualifications, used methods, useful information for parents, etc.

A lot of attention is paid to working with the parents of children in the preschool education organization. The electronic platform increases the efficiency of interaction between educational staff and parents. The preschool educational organization has its own electronic platform, which allows parents to be informed about the life of the preschool educational organization, regularly receive important information, get acquainted with the announcements about the events and holidays.

Recently, there has been an increasing number of studies devoted to the use of digital technologies in educational organizations. Analysis of these cases allows us to distinguish between them several groups:

- information technologies in education;
- information technologies in managing some aspects of the educational process;
- information technologies in managing the educational organization based on specially developed software products [5].

The essence of informatization of the management of preschool educational organization is the process of providing management activities with information based on the use of modern information technologies in order to optimize the activity of the pedagogical system, develop its potential and expand the possibilities of implementing the social order.

The introduction of information technologies into the educational process is directly related to the issues of informatization of educational management processes.

First of all, it ensures that pedagogues acquire informational competences and lays the groundwork for the formation of the foundations of informational culture among the pedagogical staff of the preschool educational organization. This eliminates one of the factors that prevent the introduction of digital technologies in management activities: the lack of necessary knowledge and skills among management staff in the use of digitalization.

In recent years, many programs developed by professional programmers have been created to manage the preschool education organization. But certain difficulties arise during their practical use. Some authors say that when using ready-made software products, firstly, the user manager is usually limited to a superficial idea of the computer's capabilities, and secondly, the software developer does not take into account all the features of the management tasks of a particular educational organization. The positive side of the proposed models is that all of them are aimed at solving the problems of optimizing the management activities of the director of a preschool education organization: reducing the circulation of paper documents, reducing the time spent on work related to data processing, and making effective management decisions. But the proposed technologies do not cover all aspects of preschool education organization management. Currently, the theoretical justification and development of the technology of providing information to the management activity of the head of the preschool educational organization is urgent.

The manager's work with information can be divided into three directions.

1. Storage of information. It is carried out in human memory or through some external carriers. In this direction, it is important to store large amounts of data and organize them in an orderly manner for quick search of the necessary information.
2. The leader must be constantly involved in the process of information transfer. In this case, accessibility, aesthetics and costs as low as possible are important.
3. The leader should be constantly engaged in information processing. At the same time, it is important to perform various forms of such processing without much effort, to optimize the activity as much as possible.

Digitization creates the basis for optimizing the information activities of the head of a preschool educational organization, because they allow processing information quickly and in large volumes, storing large volumes of flows in a systematic form, quickly searching for the necessary information, and providing information in a convenient way.

Informatization of the educational organization is related to the formation and development of the information educational environment (IEE).

It is desirable to use digital technologies in the organization of the management process of the preschool educational organization through the development of basic information systems. An information system is a coordinated set of tools and methods used to store, process and transmit information to achieve a defined goal. A personal computer is used as the main technical tool for working with information. In this case, digitalization is an integral part of the information system as a set of actions of employees of a preschool educational organization on computer processing. An information system works as a human-computer system that assists in decision-making and the production of information products [3].

Thus, the technology of providing information to the management activity of the head of the educational institution includes:

- to determine the areas of management where digital technologies are used;
- information processing and systematization according to information blocks, arrays;
- establishing connections between these flows and their movement trajectories;
- forming the necessary software and technical base in the educational organization [7].

## **Conclusion**

To conclude, the analysis of scientific and methodical literature showed that as a result of the rapid development of the digitization of the educational process, as a result of its filling with information and communication technology (ICT) tools, on the one hand, the requirements for the quality of education are increasing, and on the other hand, the educational organization is constantly growing, increasing volume of management information. This raises the problem of optimizing the management activities of the head of the preschool educational organization.

All the functions that manage the preschool education organization are interrelated and gradually replace each other, forming a single management cycle. Failure to pay enough attention to any of the functional elements can lead to a change in the entire management process and reduce its final results.

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