

THE CONCEPT OF INFORMATION TECHNOLOGY IN PRIMARY CLASSES IN DIGITALIZED CONDITIONS

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Abstract:

In the article, the concept of information technologies, their methods, ways of increasing its effectiveness, introduction of new information technologies in education. It is stated about the need to use them, to get positive results, to organize the educational process in accordance with the hygiene standards set for elementary classes, to provide basic knowledge about information technologies in the digital environment.

Key words: In a digitized environment, information communicative, primary class, educational informatization.

Complex measures are being implemented in our country for the active development of the digital economy, the widespread introduction of modern information and communication technologies in all sectors and areas, first of all, in public administration, education, healthcare and agriculture.

In particular, the improvement of the electronic government system, the further development of the local market of software products and information technologies, the establishment of IT parks in all regions of the republic, as well as the implementation of more than 220 priority projects aimed at providing the sector with qualified personnel, have begun.

In the "Digital Uzbekistan - 2030" strategy, it was developed in order to ensure rapid digital development of economic sectors, social sphere and public administration system, including further improvement of mechanisms for providing electronic public services [1].

The strategy defines the strategic goals, priorities and medium- and long-term prospective tasks of the development of the digital economy and electronic government of the Republic of Uzbekistan, as well as serves as a basis for the wider introduction of digital technologies based on the priorities set in the UN Sustainable Development Goals and the rating of the development of electronic government. does.

The strategy consists in creating a system of automation of education management and comprehensive analysis, while applying modern information and communication technologies to the educational process, as well as

In order to improve digital skills in all layers of the population, the following activities are planned, including:

- | introduction and development of distance, online and virtual learning technologies in the field of information technologies, development of platforms for online courses;
- | creating conditions for teaching programming to secondary school students in order to form a generation of highly qualified personnel in the field of digital technologies;
- | organization of public-private partnership mechanisms involving large IT enterprises in the field of development of digital skills among the population;
- | In order to eliminate the gap in the level of digital skills in regions and cities, by establishing specialized training centers in all regions of the republic, introducing the vertical management training model system at the district and city levels (IT-park branch-training center-school);
- | organization of free online courses with the participation of highly qualified specialists in order to increase the share of the population with digital skills;

Based on these urgent tasks, the following activities are being implemented in order to improve digital skills in the field of education:

- to create opportunities for mastering digital skills by providing students with digital technologies at the initial stage of education, developing analytical and critical thinking, providing knowledge and skills to young people in the conditions of large-scale digital transformation that will be necessary in the future;
- creation and implementation of a single distance education platform in order to implement it in all areas of education in the future;
- making permanent changes to the main curricula of secondary schools in order to increase the general level of the use of digital technologies for students;
- improving the methods of teaching informatics in secondary schools by encouraging the participation of organizations in the field of information technologies in educational processes;

So, information, their properties, information systems and functions, information processing, practical importance of information and other features are taught in the science of "Information technologies". "Information technology" science is directly related to mathematics, physics, computer science and a number of other sciences. The word "technology" in the phrase "information technologies" comes from the Latin "thexnos" - art, craft, field and "logos" - science. That is, technology means different ways of performing a task [2,3]. Information technology is a set of methods and tools for collecting, storing, transmitting and processing information. There are internal and external factors that determine the emergence and development of information technology, which can be described as follows: (Figure 1)

Internal factors are the emergence (creation) of information, types. hoessshari, performing various actions with information, summarizing them, transferring, storing, etc.

External factors mean the implementation of various tasks with information through technical and hardware means of information technology.

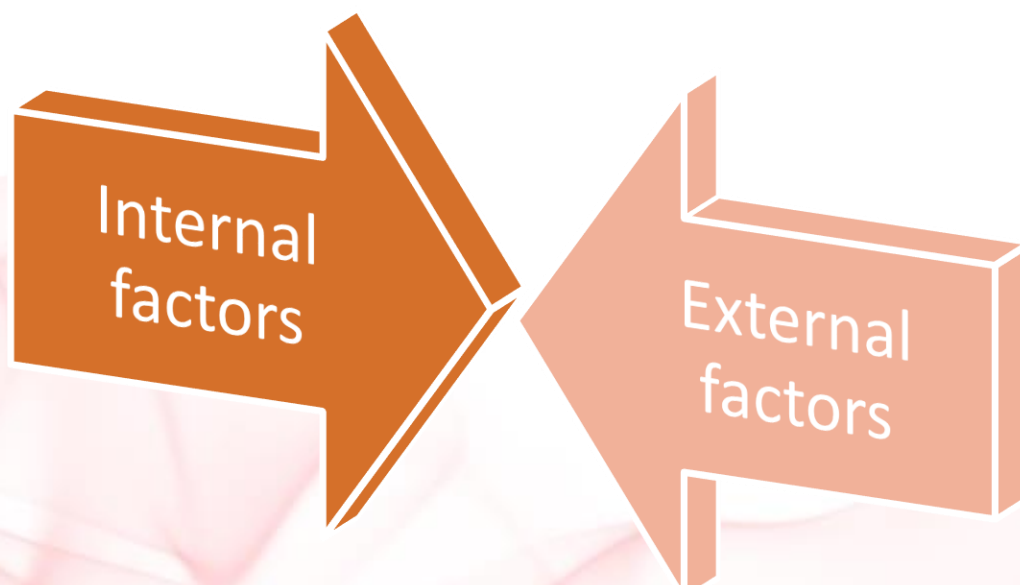


Figure 1. Factors determining the emergence and development of information technology

We will try to explain the content of information technology with a simple example below. Let's say you want to share information with a friend who lives in another region. You can do this in different ways. You can communicate your thoughts to your friend (and your friend in turn) in the following ways:

- 1) through the communication department (in writing);
- 2) through the telephone network (verbally);
- 3) through modern means of telecommunication.

In particular, life experience shows that the results of using these methods are different, and depending on the results, you decide which method to use. In the conditions of the market economy, before doing any work, you must estimate the funds that will be spent on it, otherwise you may not be able to do it. Of course, the use of the above-mentioned methods depends on the content and nature of the information being transmitted. You will determine the most economical (at least cheaper) and high-quality method for yourself. The use of modern telecommunication means depends on communication skills and competences.

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