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IMPROVING THE METHODOLOGY OF TEACHING INFORMATION TECHNOLOGY IN INDUSTRY

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Abstract:
Management of the economy on an industrial scale requires the participation of large teams in this process. Industrial communities can be located in different districts of the city, in different regions of the country, and even in different countries. Nevertheless, the speed and convenience of information exchange, as well as the opportunities for effective communication of the administration, remain important and relevant for solving the rational implementation of management.

Key words: Enterprise, information, technology, network, tool, product, information, Automatic device, program, principle.

Computers become important for automating the work performed in enterprises, and these programs are connected to each other regardless of the distance, and as a result, computing networks are formed. Computing networks have the following capabilities:
- transfer data and files from one computer to another;
- organization and use of the common data repository;
- consists of organizing databases in the information system.

Development of communication system. The development of information and communication technology was related to the improvement of information and communication tools, in addition to the system of providing information. They appeared after the immaterial carrier of information, that is, speech. It could be considered the first "explosion" in the history of the development of information and communication technologies. Until the next phase of development - the discovery of paper - the material media of information was changing. That is, by engraving words on stone, it became possible to receive information visually for the first time. In the fourth millennium BC, writing on clay and then wooden tablets was introduced, and this information and communication gained a dynamic meaning.

A computer network is a system that connects computers to each other. It serves to transfer data from one computer to another without using disks.

Computing networks are divided into the following types:

LAN (Local Area Network) is a local computing network.

- MAN (Metropolitan-regional Area Network) - corporate (regional or regional) computing network.
- WAN (Wide Area Network) is a global computing network.
- KAN (Corporate Area Network) is a corporate computing network.

Computer networks can be classified according to many characteristics, in particular, their geographical distribution. Accordingly, global, regional and local networks are distinguished.

Regional networks connect users in small cities and regions of the country. Telephone networks are often used as a communication channel. The distance between network nodes is 10-1000 kilometers.

Information local networks connect subscribers in one or several nearby buildings of an enterprise, institution. Local networks are very common, because 80-90% of information circulates around that network. Any industry can be automated. In this regard, the most perfect network is an optical light conductor made in the thickness of a human hair fiber. This is a very fast, reliable and affordable cable. The main advantage of working in a local network is as follows: in the multi-use mode, there is the possibility to use the common resources of the disks in the network of printers and the data stored on the disk, as well as the possibility of transferring one information to another. Automation in any field is characterized by a decrease in manual labor and an increase in productivity.

In the management of automatic devices, several specialists are involved and thus the work is controlled.

Information technology as a system is formed in the subject of management. The following elements must be present for the formation of information technology:

1. Specialists;
2. Technical means;
3. Information resources and information.

That is why information technology is called a "human-machine system" that performs the collection, aggregation, transmission, storage and other processes of

information representing management functions. A number of principles have been developed for the creation of this system - the following principles for the application of information technologies in industry can be divided into four parts.

- Economic and organizational principles
- Technical principles.
- Economic principles.
- Social principles.

Among the above-mentioned parts, the economic and organizational principles occupy the main place, and the following principles can be included in this part:

1. Systematic approach.
2. Continuous development.
3. Single leadership.
4. Solving new issues.
5. Interconnection.
6. Multiple use of data.Texnologiyalar va ularning turlari

It is known that by applying different technologies to material resources, different products can be obtained. The technological components for the production of products are as follows:

Material

- Preparation of raw materials and materials
- Production of tangible goods
- Sale of manufactured products to consumers

Information

- Collect data or background information
- Data processing and information retrieval
- Sernatija axborotni uning asosida qarorlar qabul qilish uchun foydalanuvchiga uzatish

Information technology is one of the most important processes of using society's information resources.

Data	**Material reserves**
Information products	**Technology of material production**
Information technology	**Product**

To date, the development of science and technology is determined by the emergence of new technical means of information processing. In today's society, the personal computer serves as the main technical tool of technology, it has a significant impact on the concept of development of technological processes and its use, as well as on the information system of the service.

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