



Modern information technologies

- Information technology - it mashynizovani methods of storage, handling, transfer, use the information in the form of knowledge. They include two main components - hardware and man, the latter of which is the main thing.


The foundation of modern information technology are three main technical advances :



**The emergence of a new medium
accumulation of information on
physical media (magnetic tapes
, microfilm , magnetic and
optical disks, semiconductor
devices, etc.);**

A futuristic computer room with a central globe and binary code on the floor. The globe is divided into four quadrants of different colors: green, blue, purple, and yellow. The room is filled with computer monitors and keyboards, and the floor is covered in binary code (0s and 1s).

Development of communication facilities that provide delivery information virtually anywhere in the world without restrictions in time and space , and mass outreach communications (radio, television, data network , satellite, telephone network)

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- **Possibility of automatic data processing by computer according to a given algorithm.**

The main tasks of modern information technologies are:

- **achieve universality methods of communication;**
 - **support of Multimedia**
 - **maximum simplification means of communication in the "human-computer".**
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- A compass rose with a white face and black markings, set against a blue background with faint gear patterns. The compass rose is centered in the lower half of the image and has a black needle pointing towards the top-left. The background is a solid blue color with faint, light-colored gear patterns scattered across it.

The basic properties of information technology are:

- **The feasibility.**
- **The availability of components and their structure.**
- **Interaction with the environment.**
- **Integrity.**
- **The development in time.**

increases the rate of exchange of information and an opportunity to carry out complex mathematical calculations in seconds and more. Using information technology can easily access the information you are interested in and talk with a live person.

