

The image features a central, glowing blue microprocessor chip with a grid-like pattern on its surface. This chip is mounted on a complex circuit board that is illuminated with vibrant blue light. The board is covered in intricate patterns of light trails and lines, suggesting a high-speed data network or a sophisticated digital system. In the background, several small, glowing blue lights are visible, adding to the futuristic and technological atmosphere of the scene.

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.);**

The background features a central computer monitor on a desk, surrounded by other monitors in a dimly lit room. A glowing sphere with four colored segments (green, blue, purple, yellow) is positioned above the central monitor. The floor is covered in a pattern of binary code (0s and 1s) in a light blue color. The overall scene is illuminated with a blue and green glow, suggesting a high-tech or digital environment.

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 outlines. The compass rose is centered in the lower half of the image. The background is a solid blue color with faint, light-colored gear outlines scattered across it. The text is overlaid on the image in a bright green color.

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.

