

# It trends in the professional Sphere



Programmer

Computers in medicine

IT technology

System Administrator

it engineer

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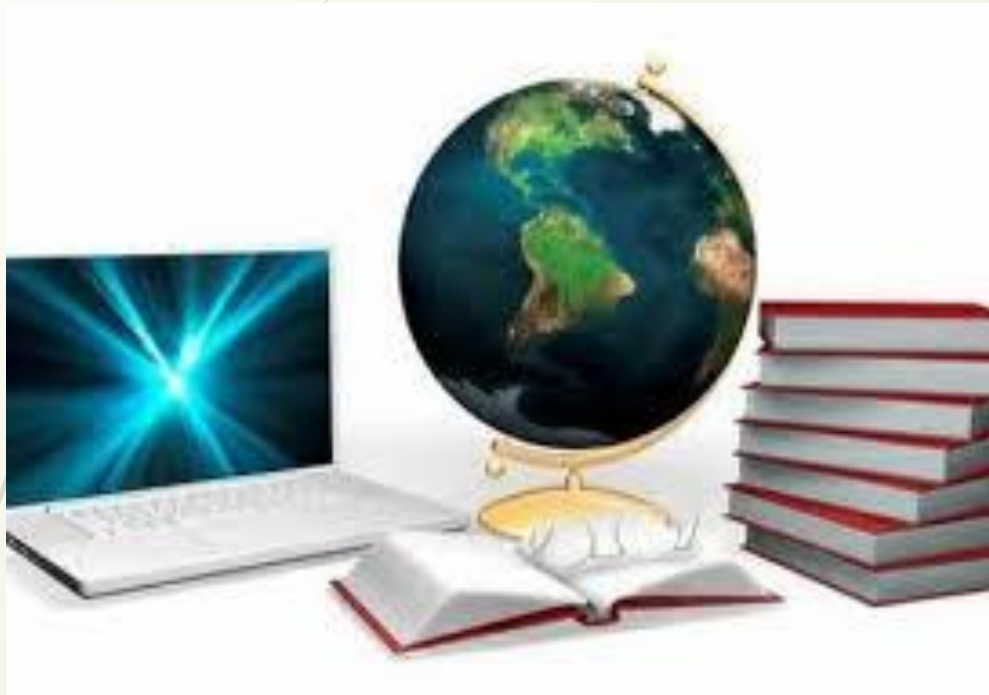
Проверял(а);

# IT industry

- Information technologies are called upon, based and rationally using modern advances in computer technology and other high technologies, the latest communication tools, software and practical experience, to solve the problems of effectively organizing the information process to reduce the time, labor, energy and material resources in all areas human life and modern society. Information technologies interact and often form part of the service sector, management, industrial production, social processes



# it History



- People have been storing, retrieving, processing and transmitting information since the invention of writing sumers about 3000 BC [7], but the term “information technology” in its modern sense first appeared in a 1958 article published in the Harvard Business Review. Its authors, Harold J. Leavitt and Thomas L. Whisler, noted that “this new technology does not yet have a single, universally accepted name. We will call it information technology (IT).” Their definition consists of three categories: processing methods, the use of statistical and mathematical methods for decision making and modeling higher-order thinking using computer programs

# Key Features of Modern IT

- ❑ Structured standards for digital data exchange algorithms;
- ❑ Widespread use of computer storage and the provision of information in the required form;
- ❑ The transmission of information through digital technology at virtually unlimited distances.



# Fixed assets



Information technologies cover all the resources necessary for information management, especially computers, software and networks necessary for the creation, storage, management, transmission and retrieval of information. Information technology can be grouped as follows [9]:

Technical means;

Communication tools;

Organizational and methodological support;

Standardization.

# Networks



- Currently, there are various data transmission networks - a set of communication terminal devices (terminals) connected by data transmission channels and switching devices (network nodes) that provide messaging between all terminal devices.
- The following types of data transmission networks are available:
- Telephone networks - subscriber communication networks for access to which telephone sets, automatic telephone exchanges and data transmission equipment are used;
- Computer networks are networks whose terminal devices are computers.

The background is a solid blue color. On the left side, there is a large, semi-transparent gear icon. In the center and right, there are several blurred silhouettes of people in business attire, some standing and some sitting at a desk with a laptop. The overall theme is professional and technological.

# IT Technology