The modern world is completely found and exists due to the latest computer technology. Nowadays, there is nothing more important than information and not just as a data set, but processed, systematized, tested and useful, so in the global labor market there is a very high demand for specialists in the field of information technology and systems. If you look at any office, none of them do without computer equipment. Many companies that are not even involved in information technology have an employee who understands computer devices.

The cost of different types of resources is significantly reduced by the use of information technology. At the same time, information technologies not only lead to fundamentally new solutions, which begin to form the essence of public life, but also allow saving resources. Many modern activities cannot be carried out outside of information technology. Many people in social production use computers in their work.

Not the last role is played by use of the automated information technologies (AIT) or the control technologies realized with application of software and hardware. The task of AIT: not only to automate time-consuming, regularly repetitive routine operations of processing large amounts of data, but also by data processing to obtain fundamentally new information needed to make effective management decisions.

The history of management information technology development is a modern model developed in 2004 by the International Association of Manufacturers of Production Management Systems MESA [2].

Information technology and systems are evolving every year, new types of this industry are emerging. Currently, there are 6 main types of information technology:
After analyzing the types of information technology let’s focus on management information technologies and the principles of their use. We chose this type because it is one of the most developed and widespread types of information technology, which is developing most rapidly. A large number of specialists provide managers of all levels and heads of organizations with the latest methods of processing and analysis of economic and social information needed to make informed management decisions. Management information technologies significantly reduce transaction costs in management. The main principles of using information management technologies are:

1. The principle of end-to-end management (information support of the full management cycle, including collection and analysis of information about the state of the control object, modeling and forecasting of its state, planning of management influences, direct support of decision-making on their implementation, delivery of decisions to executors).
2. The principle of operational management (real-time management).
3. The principle of network management, which allows you to implement the interaction of “vertical” and “horizontal” lines of communication and flows of the enterprise.
4. The principle of adaptive control, which provides dynamic adaptation of control technology taking into account changes in the impact of external and internal environment [1].

Due to the great relevance of information technologies that are developing around the world and Ukraine is no exception. Every year new directions and specialties appear in universities, articles, books, methodical instructions are written. Today in Ukraine there are about 100 thousand programmers, because of this number of workers there is a stratification of specialists in the IT field. In consequence of this the fact that some industries in the field of information technology are characterized by lower priority. Given the above, it becomes clear that in the future the world of information technology will continue to develop and expand in Ukraine and around the world.

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