THE ROLE OF INFORMATION TECHNOLOGIES IN SOCIETY

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ANNOTATION

Today, the role of information technology in our society, in our daily lives, in our education systems, in schools and universities is becoming increasingly important. As the first President Islam Karimov said, "the XXI century is the age of information technology." Particular attention is paid to educating young people like us at the level of modern requirements. Therefore, in a market economy, there is a great demand for the specialty "Computer Science and Information Technology." Living in an information society means that information technology has a big role to play in society.

Keywords: Technology, information society, information industry, democratization, rationalizing information technology.

INTRODUCTION

It is no exaggeration to say that today the terms "information" and "computer technology" are the most widely used concepts in everyday life. After all, whatever area of life we choose, whatever we do, we always deal with information. That is, the use of information, the exchange of information, their transfer, assimilation is the basis of human activity. Today information technology is one of the most important factors influencing the rapid development of society. Although information technologies existed at different stages of human development, the peculiarity of the modern information society is that for the first time in the history of civilization, energy, raw materials, materials and material resources used for the acquisition and production of knowledge exceed the costs of goods, which means that information technologies are one of the leading new technologies.

The word "technology" appeared in science in 1872. The word "technology" is translated from Greek as art, skill, mastery . The complex of the information technology industry consists of computers, communication systems, data storages, knowledge storages and related activities. Even people who do not work directly in the field of information technology use its opportunities in their daily work. Information technologies are increasingly penetrating all spheres of life and becoming its driving force.

Today information technologies can be divided into conditionally preserving, rationalizing, creative types. The first type of technology saves labor, material resources, time. Examples of optimized information technology are hotel booking and billing systems. Creative information technology consists of systems that produce, use, and integrate human information.

Modern development and achievements of information technologies show the need to inform all spheres of science and human activity. because it is the basis and an important basis for informing the whole society.

Informatization of society means the use of information as the wealth of society, which ensures economic development, scientific and technological progress of the country, acceleration of the process of democratization and intellectualization of society.

In engineering, technology is the process by which a set of methods, techniques, and tools are used to create a specific material product. The technology changes the initial state of the object to a new, predetermined state. For example, yogurt, cottage cheese, sour cream, butter and other dairy products can be obtained from milk using various technologies. If information is received as a raw material, as a result of processing this information, only an information product can be obtained. In this case, the meaning of the word "technology" is retained. You can only add the word "information" to it. This determines that as a result of information processing, only information can be obtained, and not a material product.

The technology can be described as follows. Technology is the process of managing the creation of artificial objects. The effectiveness of technology is determined by how well the conditions are organized to ensure that the right processes are going in the right direction. Here, natural processes are controlled not only to change the order, structure and form of matter, but also to process information and create new information. Thus, information technology can be described as follows.

Most of what you do as an informed society development of information and knowledge in their highest form, to the community involved in storage, processing and use.

The information industry is a large-scale production of information products and services (from newspapers to magazines, books, computer games and information on computer networks) based on the latest information and communication technologies. There are internal and external factors that determine the emergence and development of information technology, which can be described as follows.

The possibilities of modern telecommunications are very wide, and in addition to concepts such as multimedia, computer networks, the Internet, intranet, there are a number of new concepts. These include information systems, information systems management, data transmission systems, databases, database management systems, knowledge repositories, and so on. In short, we see that information technologies are now developing rapidly and in many percent of cases are giving good results.

LIST OF PUBLICATIONS

1..https://fayllar.org/axborot-texnologiyalatining-jamiyat-taraqqiyotidagi-orni-va-oq.html
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