The Significance of Computer and Information Technologies In Modern Development

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Аннотация

This article describes the importance of information technologies, computer science technologies for today's development. Human life and information technologies are inextricably linked.

In its activities, humanity is engaged in receiving, collecting, storing, transmitting and processing information. The transfer of these operations to the computer and the emergence of methods and tools for their implementation will lead to the further development of information technology and computer science. "Informatics" has been studied since schools. It is envisaged that the subject "Information technologies" will be taught as a continuation of the subject "Informatics" in the 8th-9th grades of general education schools and academic lyceums and vocational colleges. Improvement of information technologies is an important factor in informing society. At the same time, we are living in the era of information technology development. Everyone What is "Informatics"? What is "Information"? wants to find answers to these questions.

On February 13, 2023, the President of the Republic of Uzbekistan Shavkat Miromonovich Mirziyoyev held a meeting on the development of information technologies and the creation of modern infrastructure for this. At this meeting, instructions were given to establish an IT academy, an IT laboratory, a coworking center, a mobile software production center, and a remote information technology center. All these reforms show how important information technology is in today's development.

The development of human lifestyle is the reason for the creation of new discoveries. A person

faces various obstacles in creating something new, and while overcoming these obstacles, new inventions are created. But, as we know from life experiences, often a new discovery occurs in the process of solving a certain problem. We are not wrong to say that the computer is one of the great discoveries of the 20th century. According to the demand of the times, today the computer technology has developed a lot. Data management is especially important nowadays. The need for data management systems is increasing day by day.

Therefore, it is necessary to work on a large database and information. Rapid changes taking place in the development of society have an impact on the field of informatics, which is a part of it. There have been tremendous advances and changes in information technology. The word "technology" in the phrase "information technology" comes from the Latin "thexnos" - art, craft, field, and "logos" - science. That is, technology means different ways of performing a task.

Information Technology is a set of methods and tools for collecting, storing, transmitting, and processing information.

There have been tremendous advances and changes in information technology. The advent of new information technology or computer technology or computer technology has radically changed the way of service in this field. Imagine, until recently, to solve a problem on a computer, it was required to enter algorithms, one of the programming languages, to enter the program into the computer's memory, and to analyze the result of its errors. Only specialists could do this. Due to the development of these technologies, nowadays all people are using these technologies.

Information technology is a set of specific technical software tools, with the help of which we solve various problems in life related to data processing. In particular, one of the most basic types of information is economic information. It differs from ordinary data in that it is related to large groups of people, organizations, and management processes in businesses and other economic structures. Informatics in a broad sense is science, technology and production, that is, the only field related to the processing, storage, and transmission of information with the help of computers and telecommunications in all areas of human activity.

The name of computer science is derived from the Latin language and means analysis and explanation of information. This science studies methods of gathering and processing information, laws of information processes. The term informatics appeared and began to be used in the 60s of the 19th century. The role of computer technology and other technical tools in the emergence and development of computer science is incomparable, because information is processed directly with the help of computer technology, and this science has its own, new, non-standard methods and methods. So, informatics is a science dealing with the issues of searching, collecting, storing, processing and using information in various aspects of human activity.

The main material for computer science is information. Information is considered as the main concept of computer science. Information is a set of information that can be received through all senses and the level of their interconnection. As a result of external influence, a person acquires information through sense organs. These are: taste, hearing, smell, sight and skin. The information is in the form of a message. A message is a type of information in the form of speech, text, table, image, numerical data, etc.

The need for data collection, processing and transmission is huge.

Means of transmission - satellite, television, radio, tape recorder, video, telephone, etc. We can understand books, newspapers, cassettes and discs as means of collection and transport. The importance

of these media in human life, right now, is immeasurable.

In today's rapidly developing age, a person cannot imagine his life without technology. In modern times, we can say that the science of informatics greatly helps in the development of the country, in making the human lifestyle and living it easier. All the things given to us by this science are making our problem easier. We can look at one of these news media, the television called "Mirror of the World" as a clear example. Through this information medium, people are getting informed about world news, various new information and knowledge. However, as a result of the rapid development of information technologies, a telephone was produced, which can perform the functions of television, radio, tape recorder, cassette and discs. The most convenient and effective tool for today's time is the telephone. The introduction of this information medium into human life and the increasing of its tasks from year to year leads to the development of people in today's development. Everything has its good side as well as its bad side. Therefore, we humans should use these media wisely. At the same time, in the era of developing information technologies, it is important to keep up with the times by improving our knowledge and using these media. Everything has its good side as well as its bad side. Therefore, we humans should use these media wisely. At the same time, in the era of developing information technologies, it is important to keep up with the times by improving our knowledge and using these media. Everything has its good side as well as its bad side. Therefore, we humans should use these media wisely. At the same time, in the era of developing information technologies, it is important to keep up with the times by improving our knowledge and using these media.

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