

IT TECHNOLOGY TRAINING AND ARTIFICIAL INTELLIGENCE DEVELOPMENT

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Annotation:

In this article, the school teaching of Informatics science and its technologies will provide feedback and feedback on artificial intelligence. Information technology is increasingly entering human life. Today, even one of the most modern professions requires computer programs as well as various IT technologies and artificial intelligence. In this regard, an informatics, programming course was introduced in schools, since children learn much easier and faster than adults. In addition, almost all modern schoolchildren have a computer at home, they are happy to improve their knowledge after school.

Keywords: Informatics, Android applications, IOS applications, web applications and software, cyber security, communication, school, computer, IT technology, application, artificial intelligence, cloud technology.

Informatics, Informatics is a scientific discipline that deals with the study of the essence, general properties and capabilities of scientific information (Information, Message, information), as well as the scientific communication system (a set of methods and means of disseminating that scientific information); the sphere of human activity associated with exposure, computers. The science of Informatics is included in the Social Sciences. Its central concept is information, that is, scientific information, obtained from any area and branches of social life. Our future cannot be imagined without information and communication technologies and mature personnel of the industry. Today's period of rapid and globalization is the beginning of the development of a system of training of highly qualified programmers and IT specialists, which requires the development of work on this subject to a new level. At the moment, within the framework of the project "one million programmers" of the Ministry of development of Information Technology and communications in this regard uzbekcoders.uz free, online tutorials are operating through the training portal. The Tashkent University of Information Technology named after Muhammad al-Khwarazmi, IT parks, embodies such goals and serves as a modern space for studying and working on promising projects, promoting access to the market of software products, broad involvement of advanced young people in the field, raising them to high potential. Today, thousands of startups are working here and millions of programmers are preparing. These sessions offer six of the most necessary specialties - data analysis, Android applications, IOS applications, web applications and software, video courses with subtitles in the Uzbek language for cyber security development. The advantage of the use of Game technologies in lessons suggests that in the younger years, the student is first formed, analyzing in depth each laid topic, and then continuing. The advantage of the use of Game technologies in lessons suggests that it is formed that the student continues in youth first, after an in-depth analysis of each laid topic. There are several other preferred aspects of applying game technology to classes, in which it is possible to observe how students perceive the information being given, which we can consider through the example in Aries. Another aspect of gaming technology is that readers analyze the information given on each topic themselves through gaming applications on computers. In this case, when each topic is implemented on the basis of instructions in students, students have the opportunity to solve such issues directly when it comes to these things at the time of

working with computers. For example: through the following exhibitions, students study various information analysis technologies.

1. Preservation of information
2. Information transfer
3. Information search
4. Information processing

Through the application of Game technologies, the students ' level of knowledge has given good results in this process, analyzed according to the following three parameters. These are:

1. By viewing the process being performed
2. By sensing the process being performed
3. By hearing the process being performed

Through these three indicators, readers analyze in different ways the meaningfulness of the given topic. For example: it would be possible to absorb 75% of Visual Information, 12% of perceptual information, and 13% of auditory information. With that in mind, it would be advisable to look for each subject to be passed on, parts with different gameplay. Informatics is a complex scientific and engineering discipline that studies all aspects of the development, design, creation, evaluation, operation of computerized (Computer-Based) Information Processing Systems, their application and their impact on various areas of social practice. The definition not only clearly emphasizes the connection between the emergence of Informatics and the development of computer technology, but also Informatics is the result of the development of computers. Informatics Studies the usual things that are characteristic of a large number of types of specific information processes (technologies). These information processes and technologies are an object of Informatics. Informatics is a science that forms a systematic and information approach to the analysis of the surrounding world, studying information processes, methods and means of obtaining, changing, transmitting, storing and using information. Informatics is not only a science, but also its most widely used field. They cover almost all types of human activity: production, management, culture, education, medicine, financial activities, environmental protection, etc. Informatics is also an area of human activity related to computer-aided data conversion processes and their interactions with the practical environment. Artificial intelligence is a separate field of Informatics, which is usually concerned with the possibilities associated with the human mind: understanding the language, teaching, discussing, solving the issue, translating and creating computer systems with similar capabilities. Another notable example of artificial intelligence is the IBM Watson supercomputer, which answers questions asked in a specific language based on its base.

Also, applications such as the mobile assistant Siri, the photo processor Prism, which has become a constant companion of many, can be noted as one of the achievements of artificial intelligence. By now, artificial intelligence has become widely popular and covers almost all aspects of our daily lifestyle. For example, residents of the Chinese city of Incheon do not need bank cards. With calculations, all processes are carried out by artificial intelligence by clarifying the face image of a person.

Currently, artificial intelligence consists of an algorithm and software systems designed to perform various actions, and it is able to cope with several tasks that the human mind can perform. In the 1990s, a new page was opened in the development of artificial intelligence. In 1997, an IBM computer named Deep Blue became the first computer in history to defeat world chess champion Garry Kasparov. Artificial intelligence (artificial intelligence) allows computers to study their own experiences, adapt to

the given parameters and perform tasks that were previously possible only for humans. In many cases of artificial intelligence implementation - from computer chess players to unmanned vehicles - the possibility of deep learning and processing natural languages is very important. Thanks to these technologies, computers can be trained to perform certain tasks by processing large amounts of data and identifying patterns in them. Computer science artificial intelligence research is any device in which intelligent agents make actions that sense the environment and maximize the possibility of successfully achieving their goals.

A more precise definition characterizes AI as the system's ability to correctly interpret external data, the ability to use that data to achieve specific goals and objectives through learning from such data and adaptive adaptation". Cloud technology is a popular technology that users use to enter or retrieve information on IT resources on an Internet platform. This technology is used to store data and resources on an online server, and for safe use instead of the user storing them directly on the computer's hard drive. Another good thing about cloud technologies is that it is possible to enter or receive data from online servers at any point in their World. the boundaries between the calculations are blurred enough. However, the future of cloud computing is much greater than that of auxiliary systems. Cloud data storage is an online storage model in which data is stored on multiple servers distributed on a network and made available for use by clients, primarily third parties. Unlike a model purchased or rented specifically for these purposes to store data on its dedicated servers, the number of servers or any internal structure is not visible to the client at all. The data is stored and processed from the client's point of view, called a cloud representing one large virtual server. Physically, such servers can be located far from each other, up to the location of different continents. To understand what a " cloud " is, you need to start with the history of this issue. You need to understand: whether this technology really belongs to the category of new ideas or whether this idea is not so new. Cloud computing (computing) is a Distributed Data Processing Technology in which the user is provided with computer resources and capabilities as an Internet service. The main types of cloud technologies include:

1. "What kind of Service is infrastructure" ("infrastructure as a service "or" IaaS");
2. "What service is a platform" ("platform as a service", "PaaS");
3. "Program as a service" ("program as a service" or "SaaS").

In conclusion, the sphere of interest of Informatics is the structure and general characteristics of information, as well as issues related to the processes of search, collection, storage, transformation, transmission and use of information in various areas of human activity. Without automation and a communication system, it is impossible to imagine the processing of huge volumes and information flows, so electronic computers and modern information communication technologies are both the main core and material base of Informatics. Cloud application technology is an internet-based platform where resources deliver data from server to client via network channels. Therefore, it is very important to know which technology to switch to and the correct use of technology in the current world, where technology is being updated at the speed of light. Thus, despite the popularity of cloud technologies and the negative impact of the internet, it remains the fastest technology, and it has become the latest trend in today's market. Hence, the purpose of its use is to enable business users to expand their markets by linking buyers from around the world to resource-building and maintaining their customers in this area using the necessary resources in a timely manner. In my opinion, why everyone uses cloud applications, it provides us with the perfect system for backing up files of any size. For information technology

professionals, this has been a huge increase in the latest technology trend, with access to resources and work from anywhere in the world, and has made working and working with customers more flexible.

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