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### **The Role of the computer in our life.**

Currently, computerization is firmly established in our life. It has penetrated into all spheres of the economy and the national economy: industry, management, banking, trade. The higher levels of education are also closely connected with the use of the computer.

The computers appeared in our world many years ago, but only recently they have been used intensively in many fields of human life. Ten years ago it was so rare to see any personal computer — they were, but they were very expensive, and not even each firm may have them in their offices. Now in every third house there is a computer that is already deeply involved in the life of the inhabitants of the house.

Modern computers represent one of the most significant achievements of the human thought whose influence on the development of scientific and technological progress cannot be overestimated. The field of use of computers is continuously expanding. This contributes greatly to the spread of personal computers, especially microcomputers. During the last 50 years, digital computers have evolved from “magic”, but they are expensive, unique and superheated piles of vacuum tubes, wires and magnetic cores in a small size machine - a personal computer - consists of millions of tiny semiconductor devices that are packaged in small plastic boxes.

The computers are used everywhere. They control the operation of cash registers, monitor the operation of automotive ignition systems, conduct family budget, or just used as entertainment complex. But this is only a small part of the capabilities of modern computers. Moreover, the rapid progress of semiconductor microelectronics, which is a database of computers, suggests that the current level of computers and their areas of application is only a shadow of what will come in the future.

Computers are beginning to affect the lives of every person. If you get sick, and if you are referred to hospital, once there, you will find yourself in a world where your life depends on the work of the computer. Gradually learning about computers trying to introduce in the school curricula as a compulsory subject, so that the child could already from quite an early age to know the structure and capabilities of computers. And at schools for many years, computers were used for maintaining training documentation, and now they are used in the study of many disciplines, not directly related to computing. Even in elementary school, computers are introduced to study elementary courses of mathematics and physics. The microprocessors themselves have received not less widespread than computers — they are built into stoves for cooking, dishwasher and even a clock.

At the same time there are many disadvantages of using the computers nowadays. In addition to psychological harm, the computer has a direct impact on human health. Each part of the harm: the monitor emits harmful ions which reach our eyes and change the reaction of the pupil to light; for the mouse and keyboard cause disease of the joints of the hands; headphones gradually spoil the human hearing system unit develops the electrostatic harmful substances in the air; even our stationary position of the body in front of the computer can affect your posture, spine, blood circulation. Today computer is an essential part of human society. But sometimes we can get lost in this illusion of perfect happiness looking at the painted world, we forget that we are surrounded by real nature. In life we can be vulnerable, and in computer we have all powers that we want. Reading printed texts is more pleasant than to hear the voice. Each person must decide for himself where he lives: in human nature or in the world of artificial intelligence.

Another problem is playing computer games. Today the gaming industry is a very large part of the market, gradually displacing it of the other children. But for the child's body is very harmful to sit for hours behind the monitor and is desperate to press the keys, as the child may develop a kind of

disease — when he's only got one thing on his mind - computer, and nothing more. Children with this disease usually become aggressive if they begin to restrict access to games. These children are immediately lost any desire to do something not computer related and that they are not interested so they start giving up their studies, which leads to not very good consequences.

Modern computers have many functions. Now computers can clearly pronounce different phrases, collocations, play music, etc. People now could write down any words, sentences, and even musical compositions on your computer to then computer can play at any scheduled time. Computers are also able to perceive spoken words as signals, but they have to do a lot of work on the decoding of voice, if the form of communication is not strictly established. Therefore, at this time, it is quite difficult to create a computer that will be controlled by human voice. Many firms are trying to solve these problems. Some firms make small steps towards this goal, but still, these little steps are still almost invisible. But the problem speech recognition is part of a broader problem called pattern recognition. If computers can recognize patterns, they will be able to analyze radiographs and fingerprints, and perform many other useful functions. It should be noted that the human brain copes with recognition even in the presence of various noises and distortions, and research in this area to the approach of respective capabilities of the computer to the capacities of man, are very promising.

Robotics also represents a promising area of application of computers. Industrial plants use many robotic devices now; the unexpected and surprising types of robots start to fill and the research laboratory. There are many surgical and precise manufacturing operations that may be performed by robots controlled by computers. The possibility and feasibility of using robots as servants, waiters, ticket cashiers and in other roles already reflected in the production of film and television, in books. But, unfortunately, is all of the dreams that people are gradually trying to bring it to reality.

In conclusion we would like to say that the computer is an integral part of today's world and we should know how to deal with it in our life because it is impossible to imagine our life without a computer.