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COMPUTERIZATION-THE NEW REALITY OF THE MODERN WORLD

Humanity always aimed to facilitate the life. In order to improve labour people invented all new and new devices for simpler implementation of tasks. Mechanization of labour did not go round mental work. Man has created a lot of tools, from simple abacuses with stones on spokes to the difficult mechanical arithmometers, which are able to execute large arithmetic calculations one turn of a lever.

But the real revolution took place then, when scientists presented the masterpiece of a human genius-electronic calculable machine or, simply speaking, a computer. New technologies have spread with unbelievable speed around the planet. Almost all spheres of human life got new possibilities. Conquering a place under the sun, computer technologies did not stop, and actively continued to extend the "expansion". The world was tied around by the spider web of the world network. The information, accumulated for the millennium of existence of humanity, became accessible to anyone that only would wish to become familiar with it.

New technologies drew together the world, connected its remotest corners. Nowadays using computer anybody can intermingle with friends that are even in another hemisphere. Thus such network communication provoked young people to study foreign languages. In fact, it is interesting to talk with a friend from another country in his mother tongue. The personal computers facilitated work to the doctors and teachers, firemen and militiamen, postmen and accountants, and also to the representatives of other professions. It is today difficult to meet a student that at preparation to employments would not use a computer. Except the help in work, computers have entered to the industry of leisure and personal life. Young couples are often formed through a network; the lonely can find friends and so on.

Our research is pursued to study advantages and disadvantages, that computerization has brought. The basic positive features are: availability of the enormous volume of information, speed and simplicity of its receiving; simplification of the exchange information process, communication between people that are in different parts of the earth; development without paper technologies, automation of processes and comfort in management. But mass computerization caused some negative effects, namely: availability of the large amount of information brought society to formal, irresponsible relations and comprehension of this information; most users do not use all possibilities of a modern computer that in its turn does not allow to promote the level of knowledge; substituting the real life by a virtual reality, the real communication – by a virtual one.

Thus, computerization has a very contradictory influence on all spheres of human life and on science as one of its main constituents in particular. Computer technique became a large problem. Therefore modern scientists must project the new model of informative society, where a positive effect from computerization would be most, and negative lines appeared least.

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