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PROSPECTS FOR ARTIFICIAL INTELLIGENCE

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Artificial intelligence is usually something distant and completely incomprehensible, but nevertheless, it is constantly talked about in the news and it attracts a lot of attention to itself. So, what is it and why is it the future?

The very idea of an artificial network reproduces the work of the nervous system of the human brain. In other words, neural networks represent the appearance of simple elements that can solve certain problems, analyze errors, develop and learn.

In fact, a neural network is a copy of the human brain. It can be compared to a child who needs to be taught to perform simple tasks at first, gradually moving on to more complex ones.

In simple words, it is a computer program consisting of many small programs and algorithms that can solve different problems. For example, recognize events and objects, sort and analyze them, as well as predict the course of development in the future. But the main feature of artificial intelligence is the ability to develop and learn independently by analyzing the success and mistakes made in the past.

Its benefits are already being used in banking, police, medicine, automation, and power supply control systems.

For example, this system can remember and recognize the face of the intruder from surveillance cameras and conduct a quick search in the police base. It is also used at large stations and substations for accounting and control of energy resources.

Separately you can consider the heat supply and water supply system of

various installations in the ASKUE. Such a system is capable of providing a number of such functions:

- Status indication of the main power supply circuit;
- Control, display and check the parameters of the network itself;
- The ability to output information to ordinary computers via the Internet;
- The ability to diagnose installed equipment and signal exactly where the problem occurred.

Plays an important role in medical research, and is also used to diagnose patient diagnoses.

AI is developing very quickly due to the processing of large amounts of data and their predictions are more accurate than humans.

AI advantages and disadvantages

Advantages:

Accurate calculations and forecasts of situations

Speed and efficiency

Stability and independence of work

Disadvantages:

Price

Technical knowledge required

Service hardware

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ROBOTIC INTEGRATION IN OUR LIVES

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A robot is a system that contains sensors, control systems, manipulators power supplies, and software all working together to perform a task.

Nowadays people more and more use machines in daily life, robots are always on the first place. Indeed, implementation of robotic integration into everyday life means that everyone can rely on them in doing different physical tasks, just as these days applications for computer tasks are reliable. A hundred years ago mankind could only imagine how they would use robots in everyday life. Today robots are used at homes, offices, and industry, they will become helpers that can do much more than we do alone. Robots will give us great possibilities in transport system, architecture and building and even the creation necessary things. Robotics will have a tremendous influence on our future life in all spheres and will be widely used in daily life. To my mind, it will happen in the nearest future.

Let me introduce a quick summary about robots’ impact on our lives now and in the future:

Industry: industrial robots are becoming more and more popular. Almost all the factories are with optimised and *automated production* and, in the future, they all will use work of robots, which can work for hours without rest, and compared to humans they do not need vacations and they do not complain. Its use helps to increase and grow the economy, as people need innovations and creation of new products and services. We will get new jobs and business opportunities.

To be honest, robots will do almost all jobs that demand manual and routine activity.

Medicine: scientists have always tried to find new technologies in order to help with care and treatments improving. In medicine field with the help of robots