ARTIFICIAL INTELLIGENCE - SOCIETY AND THE FUTURE

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ANNOTATION

This article was prepared on the topic of artificial intelligence, which has become the most relevant and in demand today. In the introduction of the article, the author briefly reveals its history, concept and significance in society. In the main part, he explains the positive and negative aspects of artificial intelligence, and also, based on analysis, evaluates its role and influence in the future. At the end of the article, he sums up the results and makes a number of recommendations for solving the scientific problem.

Keywords: information, database, artificial intelligence, information warfare, technological progress, technological superiority, automation, command and control systems.

АННОТАЦИЯ

Данная статья подготовлена на тему искусственного интеллекта, которая сегодня стала самой актуальной и востребованной. Во введении статьи автор вкратце раскрывает её историю, концепцию и значение в обществе. В основной части он, разъясняет положительные и отрицательные стороны искусственного интеллекта, а также на основе анализа оценивает его роли и влиянии в будущем. В заключение статьи подводит итоги и даёт ряд рекомендации по решению научной проблемы.

Ключевые слова: информация, база данных, искусственный интеллект, информационное противоборство, технологический прогресс, технологическое превосходство, автоматизация, системы управления и контроля.

INTRODUCTION

The concept of artificial intelligence was introduced in the world for the first time in 1956 [1]. In fact, the word intelligence means "the ability to think intelligently", many people confuse this concept with the word "intellect".

The first scientific article on artificial intelligence was prepared in 1950 by the famous scientist A. Turing. Initial scientific research in the field of artificial intelligence was carried out in the development of a system of computational symbols and in finding solutions to problems [1]. Over the years, this artificial intelligence has penetrated into various areas of society, and now there is almost no direction in which it is not involved.

It is no secret that in world practice countries such as the USA, Japan, Great Britain, Canada, France, Germany, Finland, Singapore, Denmark, Australia, the Republic of South Korea, China, the United Arab Emirates, Italy and India are widely implementing artificial intelligence and announced the concepts of further development [2].

The Republic of Uzbekistan adopted an important document (Presidential Decree) on the development of this sector in February 2021 [3].

Artificial intelligence is a growing and popular field today. However, most of the inhabitants of our earth have not yet fully understood what is actually hidden under this popular term "Artificial Intelligence". Today, we imagine that an algorithm or a technological software system is capable of performing a task better and better than a human.

Despite being a new direction, this field is deeply rooted in software, achieving the latest achievements and allowing solving extremely complex algorithmic tasks. Despite being created by human hands, artificial intelligence is demonstrating that it can recommend optimal, multi-variable, information-rich solutions to problems in a very short time.

One of the unique features of artificial intelligence is that it is a complex software that continuously, systematically improves itself. After the software is loaded on the appropriate hardware (system), its capabilities increase further. The introduction of artificial intelligence is considered a necessity for humanity today, because any country that lags behind in this field will inevitably become dependent on countries that have deeply mastered and advanced the fields of technology and artificial intelligence in the future. It is increasingly difficult to imagine a future without artificial intelligence in the human imagination.

Because the widespread use of high technologies, the introduction of complex programs, along with making our modern life more efficient and easier, plays an important role in finding solutions to our emerging problems. World scientists say that by the beginning of the 21st century, the development of artificial intelligence is happening faster than expected.

In the future, artificial intelligence is expected to penetrate more deeply into almost all areas of our society, such as: climate change; waste disposal; energy management; robotization of healthcare, economy, industry; biotechnology, bioengineering; all branches of public administration. Sokha can even reach the level of being able to solve the most urgent problems, such as the construction and development of armed forces, military operations, smart weapons, and armed conflicts.

However, there is another side to the issue, the rapid growth of technology has caused serious problems in our society, such as the loss of traditional professions, the disclosure of confidential information, and the loss of a person's ability to work. can issue. Of course, in addition to supporting the widespread promotion and development of artificial intelligence, humanity should be aware of the above-mentioned problems.

With this, the author of the article wants to emphasize that the popularization of artificial intelligence can cause not only positive consequences, but also some negative consequences in the world society.

I. Positive consequences of the development of artificial intelligence

Comprehensive and integrated development. One of the most important things that artificial intelligence can give to humanity is the comprehensive development of all areas of society. The upcoming fourth industrial revolution involves the full implementation of IT-technological achievements in the life of every person. The fields of science and education, medicine and health care are much more developed compared to the current period. Communication between people becomes easier and faster, new technological inventions occur more often. Economy, politics, culture, people's way of life and society itself will change significantly for the better. Agriculture and production will be fully automated [4,5].

In the field of social security, transport communications and infrastructure will be significantly improved. Technology penetrates into all aspects of life and has a direct impact on areas such as providing a person with cultural entertainment and ensuring safety.

Comprehensive research development. The creation of artificial intelligence and its coverage of all areas of the world will create wide opportunities for the further development of science and technology, and for the conduct of deeper scientific research.

At this time, we will finally be able to fully study the human body, life on the planet, our planet itself and the universe, as well as answer many questions that have tormented people for thousands of years. Scientific research is carried out almost everywhere and in all directions: underwater, underground, in the mountains, in the vast space, impassable (deserts, swamps, forests, frozen and icy expanses) and in dangerous (radioactive areas and battlefields) places. The development of artificial intelligence gives a great impetus to human development, and therefore the opposite is also not far from the truth.

Creating conditions for guaranteeing human life. In theory, in fact, intelligently created and properly functioning artificial intelligence provides the ability to competently manage the distribution of available resources and services among the entire population of our planet. All this will be distributed equally according to the needs of the people, and the utopian idea of universal equality and prosperity will be possible. For this, artificial intelligence should be able to implement intelligent, fast and efficient provisioning [4].

In addition, artificial intelligence must be extremely reliable, not make human errors, solve problems at lightning speed, and quickly make the most optimal decisions in each specific situation.

However, we must take into account that AI is still a human-made machine, which means that it is not immune to technical failures and simply making stupid decisions (in cases where there is not enough information). In the future, the widespread adoption of artificial intelligence, demonstrating itself as a reliable system, will begin to mean that people will no longer have to choose anything, that is, artificial intelligence algorithms will begin to make the best choice for them. Thus, humanity may become dependent on artificial intelligence and highly automated systems, and at worst, humans may cease to develop as a biosubject of our earth.

II. Negative consequences of the development of artificial intelligence

Replacing the human factor with robots loaded with artificial intelligence. In the future, artificial intelligence is likely to gradually displace humans from many fields of activity. At first it will be hard and ordinary work, even seem acceptable, then it will become more intellectual work. The role of man in technological processes begins to disappear, or is greatly reduced. Even the development of art will be influenced by artificial intelligence.

Then human labor will be devalued and people will be replaced by robots on a large scale. Such a turn in history creates uncertainty in the fate of unemployed people, that is, a person begins to lose his place in society. According to some experts, robots cannot replace humans everywhere [4]. With the development of the field of artificial intelligence, new professions will appear (mental specialists), but people will have to master complex software systems to master these new professions. But forecasts show that some professions may survive, such as psychologists, salespeople, and cleaners.

Weaknesses and imperfections of artificial intelligence. Artificial intelligence may develop to such an extent that it may eventually begin to treat humans as inferior beings. There are, of course, some logical reasons for this assumption. Let's assume that artificial intelligence, as a single software system, achieves the general integration of the control of all spheres of the earth, it can reduce the intervention of the human factor in the management of the worldly system and finally completely eliminate it. As a result, artificial intelligence can completely go out of control of people, and then it can cause a big disaster.

Because artificial intelligence created by man is a system devoid of human emotions, values, and morals, we don't know how it will behave if humanity leaves its fate to it. Also, it cannot be ruled out that artificial intelligence can simply fall into the hands of terrorist, radical forces, modern pirates and invaders. Also, it is not far from the truth that it will be used by highly developed countries for the sole purpose of dominating the world.

Privacy and Security Terms. In the world dominated by artificial intelligence in the future, the concept of ensuring the confidentiality and security of existing information in the global information system will become relative. That is, artificial intelligence will constantly have information about everyone and everything [4,6].

Based on this, it can be said that in the future, whoever controls the world information system will rule the world. Let's not go too far, even now we are observing the direct influence of transcorporations and mega-campaigns of the world with large investments on the political-economic, military-political and other events taking place on earth. According to scientists, this is only the beginning, and in the future such actions will grow and develop in a geometric progression.

In the current situation, when artificial intelligence is widely introduced, the countries of the world and large corporations are trying to gain complete control over humanity. Scientific analysis and studies show that, on the one hand, artificial intelligence can greatly ease the life of an ordinary person on the street, create conveniences and significantly reduce the number of crimes, and on the other hand, it can be used by states to monitor the movement of the population (humanity) and increases surveillance, and finally no one can hide anything. As a result, an inescapable total world control system architecture is created.

As a result of multifaceted studies, the following conclusion can be reached. In the future, replacing humans with artificial intelligence or, say, with programmed robots, may increase the productivity of labor (mental labor) and accelerate development, but at the same time, it is unimaginable among developed and developing countries. it is not far from the truth that it creates a difference. Also, the income of rich countries, whose economy, production, all types of services, and communications are built on the basis of artificial intelligence and the latest technological achievements, can lead to an unimaginable increase in the income of developing countries. As a result, the world will be formed in the form of two groups of countries in the future:

the first group has a very high income, implements the most modern technologies, and engages in mental work;

and the second group is backward in the field of technology, mainly producing, growing, and supplying (supplier) countries.

In order to avoid similar problems in the future, the President of the Republic of Uzbekistan dated February 17, 2021 "On measures to create conditions for the rapid introduction of artificial intelligence technologies" No. PQ-4996 in accordance with the decision, it is necessary to carry out systematic implementation of comprehensive measures, as well as periodic monitoring and analysis of the work done.

The large-scale activities mentioned above should be aimed at reducing and finally eliminating the gap between our country and the highly developed countries of the world in the field of technology, such as the USA, Germany, France, Japan, China and Singapore. In order to achieve such high results, the activities related to inventiveness, creativity, program development and programming in our country should be given comprehensive financial stimulation.

Also, as a conclusion, it should be said that in the near future, artificial intelligence will play an important role in further strengthening the relations between our country and its citizens, improving public administration, improving the quality and convenience of government activities, and ultra-modernization. Based on this, bringing the level of computerization of the country to the level of world demand. It is the need of the hour to establish the education of subjects related to the field of information and communication technologies from the primary school (4th grade) to the last courses of the university (not only including them in the programs, but also setting the maximum number of hours). remains.

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