

## **THE ROLE OF ARTIFICIAL INTELLIGENCE IN THE MODERN WORLD**

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Artificial Intelligence (AI) is one of the most important technologies in the modern world. It means that computers or machines can think, learn, and make decisions like people. AI is already used in many areas – for example, in medicine, education, transport, and business. In the future, it will become even more powerful and useful. However, together with many advantages, AI also brings some risks and problems that people must control.

AI is developing very fast. Today, we have computer programs that can talk to people, drive cars, translate texts, and even write music. These systems use special algorithms that help them learn from information and experience. In the future, AI will be able to do even more complicated things. It may become a “general intelligence” – one that can solve different types of problems, not only one specific task.

AI works together with other modern technologies, such as robots, the Internet of Things, and big data. For example, robots with AI can help in factories, hospitals, or even at home. AI systems can also help scientists make discoveries faster. This shows that AI has a huge potential to change our lives for the better.

AI can bring great changes to the world economy. Many companies already

use AI to improve their work. For example, AI helps to analyze data, plan production, and communicate with customers. It can also make work faster and cheaper. Banks use AI to detect fraud, shops use it to study what customers like, and transport companies use it to plan routes.

However, there are also problems. When machines can do people's work, some professions may disappear. Many workers will need to acquire new skills to work effectively with AI technologies. Governments and schools should help people prepare for these changes and create new jobs (Haenlein & Kaplan, 2019, p. 6)

In healthcare, AI has the potential to save many lives. It can help doctors find diseases early, plan treatment, and even predict health problems before they happen. For example, AI can look at X-ray images and see what a doctor might miss. It can also help create new medicines faster.

In education, AI can make learning more personal. It can analyze how each student studies and give special tasks for their level. Teachers can also use AI to check homework and track students' progress. Thanks to translation and speech technologies, AI can help people study from anywhere in the world.

Even though AI can do many good things, it also creates some serious problems. One big issue is unemployment. If robots and computers do more work, people may lose their jobs. Another problem is that AI can make mistakes or be unfair. For example, if the data used to train AI is wrong or biased, its decisions will also be wrong or unfair.

There are also questions of privacy. AI systems use a lot of personal data, and it is not always clear who can see or use it. People worry that their information might be stolen or used without permission. Another danger is that in the future, very powerful AI could become difficult to control. That is why governments and scientists must create laws and rules for safe AI use.

In the future, AI will not replace people completely. The best results come when humans and AI work together. AI can help people make decisions, find information, or do difficult calculations, but only people can feel emotions, create art, and make moral choices. Human creativity, kindness, and responsibility will always

be important (Haenlein & Kaplan, 2019, p. 10).

To live in a world with AI, people will need new skills. Schools should teach children how to use technology, think critically, and understand the ethical side of AI. In this way, AI will become a helper, not a threat.

**Conclusion.** The prospects of Artificial Intelligence are very bright. It can make our lives easier, improve medicine and education, and help solve global problems. But we must also be careful and responsible. AI should be used to help people, not to harm them. The future of AI depends on how wisely humanity will control and develop it. If we use AI correctly, it can become one of the greatest tools for progress in human history.

#### **Reference:**

Haenlein, M., & Kaplan, A. (2019). *A brief history of artificial intelligence: On the past, present, and future of artificial intelligence*. *California Management Review*, 61(4), 5–14. Retrieved from <https://doi.org/10.1177/0008125619864925>