

## **ARTIFICIAL INTELLIGENCE AND ITS ROLE IN HUMAN ACTIVITY**

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**Annotation:** The goal of artificial intelligence is to provide software products with the ability to analyze input data and interpret the results obtained. Artificial intelligence is a tool that provides a more intuitive process of human interaction with programs and helps in decision-making within certain tasks.

**Keywords:** Automation, Neural systems, computer science, robotics and mathematics, gaming systems.

**Аннотация:** Цель искусственного интеллекта — предоставить программным продуктам возможность анализировать входные данные и интерпретировать полученные результаты. Искусственный интеллект — это инструмент, обеспечивающий более интуитивно понятный процесс взаимодействия человека с программами и помогающий в принятии решений в рамках определенных задач.

**Ключевые слова:** Автоматизация, Нейронные системы, информатика, робототехника и математика, игровые системы.

**Annotatsiya:** Sun'iy intellektning maqsadi dasturiy mahsulotlarga kiritilgan ma'lumotlarni tahlil qilish va natijalarni sharhlash imkonini berishdir. Sun'iy intellekt - bu insonning dasturlar bilan o'zaro munosabatining yanada intuitiv jarayonini ta'minlaydigan va muayyan vazifalar doirasida qaror qabul qilishda yordam beradigan vositadir.

**Kalit so'zlar:** Avtomatlashtirish, Neyron tizimlar, informatika, robototexnika va matematika, o'yin tizimlari.

Humans (homo-sapiens) – The only living species on earth having superior level of intelligence. Humans are utilizing their intelligence from centuries now. As a result today we are talking about imparting our core intelligence or transferring into a machine. This is the true advancement in terms of technology. Robots, Self-driven cars, Automation is next trend of technology. While modern robots can now replicate the movements and actions of humans, the next challenge lies in creating autonomous, self-thinking robots that can react to changing conditions. Artificial intelligence assured that machines will have the ability to think analytically, using concepts and

AI-powered technologies help improve work efficiency and productivity by automating processes and tasks that were previously performed by humans. AI is also able to interpret volumes of data that a human cannot interpret.

Robotics – These are programmed computers which see, hear and react to sensory stimuli, such as light, heat, temperature, sound and pressure.

Artificial intelligence spans many methods and disciplines, including vision, perception, speech and dialogue, decision making and planning, problem solving, robotics, and other applications where self-learning is possible. AI is best viewed as a set of technologies and methods used to supplement traditional human qualities such as intelligence, analytical and other abilities.

Outstanding advances are taking place in research labs, corporate conference rooms, and industry (in robotics and communications networks), as well as among consumers using AI. How seriously AI will affect different countries and regions will depend on their economic structure and the degree of digitalization in key sectors, including healthcare, agriculture and industrial production.

Usually, many people think of robots as assistants who can talk like humans and do all the work instead of them. But this is a relatively broad concept. In fact, apps on your mobile device: google-translator, dictionaries, various games, etc. are also clear examples of artificial intelligence. Only their coverage is smaller and they can only help you in a certain direction.

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