

PLACE OF MODERN TECHNOLOGIES IN NOWADAYS LIFE

Turdiyeva Munavvar Abduhakimovna

Samarkand Specialized Art School

General Education Department English Teacher.

Abstract: This article discusses the role of modern technologies in human life, their impact on various areas, their importance in everyday life, and the innovations they have introduced into the social, economic, and educational systems. It also analyzes the positive and negative aspects of technological progress, and the expected prospects for the future.

Keywords: modern technologies, digital world, artificial intelligence, internet, social networks, educational technologies, technological progress.

The 21st century is the century of technology. Today, technologies have deeply penetrated every person's life: from communication to healthcare, education, transportation, and even our daily lives, which are controlled by technology. Modern technologies not only create convenience, but are also becoming an important factor in the development of society.

One of the reasons why technology, regardless of the field, is in the spotlight for scientists and other specialists and interested parties is that it adds convenience to our daily activities, while saving time and improving the quality of life. If we look at history, it took many years to come to such an improved version, regardless of whether it is a thing or an object in our daily life that we use today. These periods, in turn, are divided into the following groups. Neolithic technique. This period is called the Stone Age, because the oldest technique was made of stone. In the Mesolithic period, spears and bows appeared, which made it possible to kill birds and animals from a distance of 100-150 meters. The emergence of civilizations was facilitated by agriculture, which appeared in the Neolithic period. The invention of the wheel was of great importance during this period. The iron plow for agricultural purposes became widespread in medieval technology. Brass alloy was mastered, window glass was produced, and glass was invented. Later, in turn, water mills and windmills began to be used.

Technology has witnessed an impressive evolution in the last few decades, which in turn has changed our lives and helped us develop with it. From smooth roads, railways and airplanes for seamless travel to facilitating communication from any corner of the world, technology has contributed more than anything to helping humanity live a luxurious and comfortable life. It is thanks to technology that we know our world and the cosmos better. Every field owes its development to technology, and this clearly shows the importance of technology in all aspects of our lives.

Today, the following technologies are widely used in everyday life:

- The Internet and digital communication tools – enable global information exchange, communication through social networks.
- Smartphones and mobile applications – have become a daily necessity as a tool to make life easier.
- Artificial Intelligence (AI) – is used in areas such as automated systems, intelligent assistants, self-driving cars.
- Cloud technologies – provide secure storage and sharing of data.
- Internet of Things (IoT) – improves the quality of life through smart homes and smart transportation systems.¹

People are connecting with the world through social networks, exchanging ideas and looking for new opportunities. Technologies are revolutionizing the creation of personal brands, entrepreneurship, and service provision.

Through distance learning, online courses, and digital platforms (Khan Academy, Coursera, Duolingo), students have the opportunity to learn at any time. Interactive learning methods – video lessons, electronic tests, and artificial intelligence-based analysis systems – are increasing the efficiency of learning.

With the help of technologies, production is accelerating, costs are decreasing, and the ability to use resources efficiently is becoming available. E-commerce, blockchain, and cryptocurrencies have become an integral part of the modern economy.

In addition, Biotechnology has a positive impact on almost all aspects of human life. Its development is revolutionizing environmental risks, developing new medicines, making agriculture more efficient, and improving healthcare. However, it is important to use these technologies responsibly and ethically.

Medical biotechnology: Gene therapy: Treatment of genetic diseases by editing DNA.

Vaccines and biologics: Biotech vaccines have been shown to be effective in the COVID-19 pandemic.

Artificial organs: 3D printing of tissues and organs through bioprinting technology.

Agricultural biotechnology: Genetically modified plants: Increasing productivity and ensuring pest resistance. Biofertilizers: Increasing soil fertility based on natural processes.

There are also risks associated with technology: cybercrime, privacy violations, excessive dependence on technology among young people, and the decline of social interaction in real life.

¹ Tapscott, D. (2016). Blockchain Revolution: How the Technology Behind Bitcoin Is Changing Money, Business, and the World. Portfolio.

Technology can also be applied in several areas and includes a wide range of innovations. Some of them are classified as follows:

Semi-radical technology: This type of technology is based on existing knowledge and aims to improve it in innovative ways. For example, smartphone brands are constantly releasing new hardware versions, which keeps technology evolving.

Disruptive technology: This technology disrupts existing systems with innovations and offers more efficient alternatives. For example, music streaming services such as Spotify and Apple Music have made the practice of downloading songs on a mobile device almost obsolete.

Additive technology: This technology aims to improve a product by making small changes to existing systems. Examples of additive technology include operating system updates, security patches, or changes to services.

Technology has become an integral part of our daily lives. Everything we do right from the start of our day to the end involves some form of technology. One of the reasons why technology is so important to scientists and other experts and stakeholders, regardless of the field, is that it adds convenience to our daily activities, while saving time and improving the quality of life. From our smartphones that are useful to us to various kitchen appliances, computer systems, communication tools, transportation systems, and online shopping (to name a few), how have we changed our lives? ten years ago. The benefits that technology brings to our lives in smaller and larger ways account for the constant work towards further advancement in technological innovations.

Conclusion, Modern technologies have penetrated all aspects of our lives, and while they facilitate human activities, they also create new problems and responsibilities. Therefore, it is necessary to use these technologies wisely and purposefully, guided by science and social interests.

References:

1. To'laganov B., Zamonaviy axborot texnologiyalari, Toshkent, 2021.
2. Karimov I.A., Yuksak ma'naviyat — yengilmas kuch, Toshkent, 2008.
3. Ziyoyev A., Raqamli iqtisodiyot asoslari, Toshkent, 2022.
4. Tapscott, D. (2016). Blockchain Revolution: How the Technology Behind Bitcoin Is Changing Money, Business, and the World. Portfolio.
5. Güler, A., & Koç, K. (2021). "Technological Innovation and Disruptive Technologies: A Review." Journal of Business Research-Turk, 13(3), 2021.
6. Tidd, J., & Bessant, J. (2018). Managing Innovation: Integrating Technological, Market and Organizational Change. Wiley.
7. Schilling, M. A. (2020). Strategic Management of Technological Innovation. McGraw-Hill Education.