

DIGITAL TRANSFORMATION OF SOCIETY: ACHIEVEMENTS OF OUR TIME AND PROSPECTS FOR THE FUTURE

Цифровая трансформация общества: достижения современности и перспективы будущего

In the modern world, there is no company which can do without the introduction of new technologies. The aim of this work is to consider digital transformation, its achievements and prospects for the future. Digital transformation of society is a large-scale change in society caused by the introduction of digital technologies in all spheres of humanity: science, medicine, sports, culture and etc.

Every person in the modern world uses the Internet. It can be used to solve certain problems, find answers to questions, expand one's horizons, promote goods, shop, learn, and work. It facilitates the inclusion of companies in the global economy by expanding trade. Nowadays, more and more people are giving up going to the store and prefer online delivery. Almost all companies have their own websites, where buyers can choose their favorite product without leaving home, compare prices of all competitors and choose a more suitable one for themselves. Also companies use social networks to develop their business, namely such sites as TikTok, YouTube, Instagram, Vk. TikTok has over 40 million users per day. This platform is considered one of the most popular for online earning. Teenagers and adults, and even retirees collect subscribers, make videos, go live, collect gifts, advertise and sell products. And all of this is happening online in real time. All social networks are currently one of the most popular schemes for making money. In the future, even more development and the emergence of new social networks is planned, as well as the introduction of various functions into existing ones.

Robots are one of the modern and rapid digital transformation of society. One of the representatives of this sphere is Elon Musk. He has been developing robots for several years. Tesla held a large-scale presentation called We Robot on October 10 in Los Angeles, where it presented robotaxis and Optimus robots. Tesla's robotaxi is the world's first cab without steering wheel and pedals, with a modern and comfortable interior. This model is convenient because during the trip you can do your own business and not waste time. At the presentation, 50 fully autonomous electric cars Cybercab (two-seater) were presented. Optimus robots will be able to help people in different directions. This robot has built-in special advanced sensors, as well as a balancing system that allows the robot to move easily, bend limbs, dance, squat. For the movements of the android is responsible for several dozen electromechanical power actuators installed in the neck, torso, shoulders, elbows, hands, fingers and feet. As previously reported, the device is capable of lifting and

carrying loads weighing up to 70 kg. A modified Tesla Autopilot system based on a complex set of radars, cameras and sensors allows the android to navigate in space. The robot's main task will be to perform complex, dangerous or routine tasks. The robots will also be able to go to the store. The Toyota Research Institute (TRI) has used generative artificial intelligence to teach robots some breakfast preparation skills. The researchers said they are trying to create what they call «large behavior patterns». Just as large language models learn by noticing patterns in text, Toyota's LBM models learn by observation and then «generalize by applying a new skill they've never been taught», said Russ Tedrake, a professor of robotics at MIT and vice president of robotics research at TRI. Google is working in a similar direction.

To sum up, it should be noted that the modern world is full of digital information. There is no person is without a phone with internet access. Social networks are becoming one of the popular platforms for earning money. Various companies announce release dates for robots that will be able to replace people in various situations. Every year in our world there are more and more promising discoveries in the field of intellectual intelligence, which makes us even more developed and ready for all eventualities.

A. Omelyanchuk

А.С. Омелянчук

АУПРБ (Минск)

Научный руководитель В.В. Rogov

DIGITAL DEVELOPMENT IN BELARUS

Цифровое развитие в Беларуси

In the era of the information revolution, digital development is becoming an integral part of the future of every country. The state's mission in this process cannot be underestimated because it plays a key role in creating favorable conditions for ensuring the security and efficiency of the use of information infrastructure data, as well as in regulating and supporting innovation. The purpose of the research is to investigate the role of the government in Belarus' digital transformation and assess the effectiveness of strategic programs aimed at enhancing digital infrastructure, improving the digital skills of citizens, and integrating digital technologies across various sectors.

Today Belarus is actively promoting digital development in the country mainly on the basis of the program «Digital Development of Belarus» for 2021–2025. At the moment, projects have been implemented in this area and ten specialized information systems have been created. All these systems are aimed at digitizing data, automating business processes and creating electronic services. The activity of government agencies and the degree of their involvement in solving issues using information technology within the framework of the new legislation has increased significantly. In addition, the Center for Digital Development and the Center for Advanced Research in the Field of Digital Development