☐ remote power window control. Automatic full up of the window lifters occurs when the car alarm is armed. There is no need to remember to close all the windows;

☐ car security when leaving its engine running. This function is useful when leaving the car over a short period of time;

☐ satellite tracking (GPS/GLONASS). Modern multifunctional anti-theft systems are connected to active navigation systems such as GPS or GLONASS. This is an extra level of security to the car;

☐ blocking of engine operation. Advanced versions of security systems can be equipped with a remote engine stop system;

☐ managing car alarm and other functions using the smartphone. Modern systems allow you to control all functions using a mobile phone. The availability of this option depends on the configuration and model of the alarm. The control is carried out using a special application.

Let us consider the main manufacturers of car alarms. Currently on the market there are many models of satellite-based car alarms from different manufacturers, but the best of them are STARLINE and PANDORA in the affordable price segment. These alarm systems have a dialog code that has been tested many times.

It should be remembered that any security system of the highest level as well as blockers does not guarantee 100% theft protection. It just increases the period of time required for car theft, time difference between 2 minutes and 3 hours is enormous and during this time the owner can do something to prevent it.

References:

1. Захист автомобіля від угону. URL: http://avtosovet.com.ua/

2. Типи автомобільних сигналізацій автосигналізації: історія винаходу. URL: https://www. refs.co.ua/51716-Tipy _avtosignalizaciiy.

3. Типи протоколів радіозв'язку в автомобільній електроніці. URL: http:// www.avtgid.pl.

COMPUTER TECHNOLOGIES OF THE FUTURE GENERATION

ANDRII ISTOMIN, student
OLGA SLATOVA, Senior Teacher, Scientific Adviser
OLENA ANISENKO, Senior Teacher, Language Adviser
O. M. Beketov National University of Urban Economy in Kharkiv
MARTIN HORN, *Language Instructor*
South-Moravian Educational Center (Brno, Czech Republic)

Computer technologies are constantly evolving and advancing at a rapid pace. With the advent of artificial intelligence, quantum computing, and other emerging technologies, we are on the verge of a new era of computing. In this

paper, we will discuss the computer technologies of the future generation and their potential impact on society.

Artificial Intelligence (AI) is the simulation of human intelligence processes by machines, especially computer systems. AI has the potential to revolutionize many industries, including healthcare, finance, and manufacturing. In healthcare, AI can be used to analyze patient data and assist doctors in diagnosis and treatment. In finance, AI can be used for fraud detection and risk management. In manufacturing, AI can be used to optimize production processes and reduce costs. However, there are also concerns about the impact of AI on jobs and privacy.

Quantum Computing is a type of computing that uses quantum mechanics to perform calculations. Unlike traditional computers, which use bits (0 or 1), quantum computers use quantum bits (qubits), which can exist in multiple states simultaneously. This enables quantum computers to perform certain calculations much faster than traditional computers. Quantum computing has the potential to revolutionize many fields, including cryptography, drug discovery, and financial modeling. However, there are still many technical challenges to overcome before quantum computers can be widely adopted.

Virtual and Augmented Reality (VR and AR) are technologies that enable users to experience virtual environments or overlay digital information onto the real world. VR is typically experienced through a headset or goggles, while AR can be experienced through a smartphone or other device. VR and AR have the potential to revolutionize many industries, including gaming, education, and healthcare. In gaming, VR can provide immersive experiences that were previously impossible. In education, AR can be used to enhance learning by overlaying digital information onto the real world. In healthcare, VR and AR can be used for training and simulation.

In conclusion, computer technologies of the future generation have the potential to revolutionize many industries and improve our daily lives. AI, quantum computing, and VR/AR are just a few examples of the many emerging technologies that are on the horizon. While there are concerns about the impact of these technologies on jobs and privacy, there is also tremendous potential for them to create new opportunities and improve our quality of life. As these technologies continue to evolve, it will be important to monitor their impact on society and to ensure that they are used for the greater good.

References:
1. Russell, S. J., & Norvig, P. (2020). Artificial intelligence: a modern approach. Pearson.
2. Kumar, S., & Singh, V. (2021). Quantum computing: A comprehensive review. International Journal of Computer Applications, 179(48), 13-24.
3. Steptoe, M., & Fuchs, P. (2017). Virtual and augmented reality: Understanding the potential impacts for informal science learning. Journal of Science Communication, 16(1), A02.

MODERN TECHNOLOGIES FOR TRANSPORT SYSTEMS

ANNA KALINA, student
EVGENIY I.KUSH, Associate Professor, PhD in Engineering, Scientific Adviser
OLENA ANISENKO, Senior Teacher, Language Adviser
O. M. Beketov National University of Urban Economy in Kharkiv
MARTIN HORN, *Language Instructor*
South-Moravian Educational Center (Brno, Czech Republic)

Modern technologies have revolutionized the transport industry, making it faster, more efficient, and more sustainable. With the increase in population and globalization, there has been a significant demand for transport systems that can move goods and people across vast distances quickly and cheaply. In this paper, we will discuss the modern technologies used in transport systems and their potential benefits.

Autonomous Vehicles

Autonomous vehicles, also known as self-driving cars, are becoming increasingly popular in the transport industry. They are equipped with advanced sensors and artificial intelligence that enable them to navigate roads and make decisions independently. This technology has the potential to reduce traffic congestion, decrease the number of accidents, and make transportation more accessible to people who cannot drive, such as the elderly or disabled. Additionally, autonomous vehicles are more energy-efficient than traditional vehicles since they can drive at a constant speed, reduce fuel consumption, and minimize air pollution.

Hyperloop Technology

Hyperloop technology is a proposed mode of transportation that uses magnetic levitation to move people and goods at high speeds through a vacuum-sealed tube. The technology has the potential to reduce travel time significantly and make long-distance travel more accessible to people. Hyperloop technology is still in the experimental stage, but several companies have already started developing prototypes. One potential benefit of hyperloop technology is that it could reduce the number of flights and the associated carbon emissions.

Electric Vehicles

Electric vehicles are becoming increasingly popular in the transport industry. They are powered by electricity rather than gasoline or diesel and produce no