

it is necessary to carefully monitor the correct registration of transit cargo and documents.

Литература

1. Подходы к оценке взаимодействия таможенных органов и Белорусской железной дороги по ускорению пропуска транзитных грузов через таможенную границу ЕАЭС // [Электронный ресурс]. Режим доступа: <https://bsut.by>. – Дата доступа: 08.04.2023

2. The State Security Committee of the Republic of Belarus // [Электронный ресурс]. Режим доступа: <http://kgb.by> -Дата доступа: 08.04.2023

3. CIVIL CODE OF THE REPUBLIC OF BELARUS // [Электронный ресурс]. – Режим доступа: <https://www.ebrd.com/downloads/legal/securities/bel>. – Дата доступа: 09.04.2023

ENGINEERS ARE THE KEY TO THE FUTURE

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Engineering is a crucial field that has played an essential role in shaping the world we live in today. It is the application of scientific knowledge and mathematical principles to design, develop, and improve structures, machines, systems, and processes. Engineers are involved in finding solutions to problems faced by society and creating innovative technologies that improve our quality of life. The importance of engineering cannot be overemphasized, and in this presentation, we will explore why. One of the primary reasons why engineering is vital is the significant advancements in technology it has brought about.

Engineers are responsible for designing and developing new technologies that have improved our lives in countless ways. From smartphones to self-driving cars, engineers have played a critical role in the development of these technologies. They have also been instrumental in the development of medical equipment, renewable energy sources, and communication systems and others. It is important to mention that engineering is also essential in infrastructure development. Engineers design and construct buildings, roads, bridges, and other structures that are critical for economic growth and social development. They are responsible for ensuring that these structures are safe, efficient, and sustainable. Without engineers, the infrastructure that we rely on for transportation, communication, and other essential services would not exist.

Also, Engineers have a crucial role in promoting environmental sustainability. They design technologies and systems that reduce carbon emissions, conserve natural resources, and promote renewable energy. They are also responsible for developing solutions to environmental problems, such as pollution and climate change. Without engineering, it would be impossible to address the environmental challenges facing our planet. The importance of engineering is set to increase in the future as we face new challenges and opportunities. With the rise of automation and artificial intelligence, engineers will play a crucial role in designing and developing new technologies that can improve our lives. They will also be responsible for ensuring that these technologies are safe, efficient, and sustainable. In addition to technological advancements, engineers will also be vital in addressing the environmental challenges facing our planet. As we continue to face issues such as climate change and pollution, engineers will need to develop innovative solutions that can help us protect our planet and ensure its sustainability for future generations. Overall, the future of engineering is bright, and it is crucial that we continue to invest in engineering education and research to ensure that we are prepared for the challenges and opportunities ahead. Engineering will also play a crucial role in addressing health challenges faced by society. Medical engineering has already made significant strides in areas such as prosthetics, surgical tools, and medical imaging. In the future, engineers will be responsible for developing new technologies that can help us tackle new diseases and improve health outcomes for people around the world. To keep up with the pace of change, it is crucial that we continue to invest in engineering education and research. This will help ensure that new engineers are well-equipped to tackle the complex challenges of the future. It will also help us develop innovative solutions that can improve our lives and protect our planet.

However, engineers involved in the development of new technologies at the present time must recognize that technologies are evolve so quickly that they cannot cope alone, therefore, now Digital security is more in demand than ever. Digital security refers to the protection of electronic information from unauthorized access, theft, or damage. With the growing use of internet-connected devices, digital security has become a crucial concern for individuals, organizations, and governments. There are several ways to ensure digital security. Firstly, strong passwords should be used to protect online accounts. Passwords should be unique, complex, and changed regularly. Secondly, antivirus software should be installed on all devices to protect against malware and viruses. Thirdly, sensitive data should be encrypted to prevent unauthorized access. This can be done using encryption software or by using secure websites that use HTTPS. Another important aspect of digital security is to be aware of phishing scams. Phishing scams are fraudulent attempts to obtain sensitive information such as user names, passwords, and credit card details. These scams can be conducted through email, text

messages, or phone calls. It is important to be cautious of such messages and to verify the authenticity of any requests for information. In addition, it is important to keep all software up to date. Software updates often include security patches that fix known vulnerabilities. Failure to update software can leave devices and networks vulnerable to cyber attacks. Lastly, it is important to back up all important data. Backing up data ensures that in the event of a cyber attack, data can be recovered without paying ransom or suffering data loss. Of course, a large number of new technologies will lead to the fact that digital security specialists will have to acquire many new skills. With the increasing amount of cyber threats such as hacking, phishing scams, and identity theft, cybersecurity specialists have become essential in safeguarding individuals and organizations' digital security. As we look to the future, the requirements for cybersecurity specialists are expected to increase. This is due to the continuous growth of technology, which leads to more opportunities for cybercriminals to exploit vulnerabilities.

As a result, organizations will need to hire more cybersecurity specialists to ensure that their digital assets are protected. The requirements for cybersecurity specialists will vary based on the specific job requirements. However, there are some general skills and knowledge that cybersecurity specialists should possess. Firstly, they should have a strong foundation in computer science, information technology, or a related field. This foundation will enable them to understand the technical aspects of cybersecurity and develop strategies to safeguard digital assets. Secondly, cybersecurity specialists should have knowledge of different types of cyber threats, including malware, ransomware, and phishing scams. This knowledge will enable them to identify potential risks and develop strategies to mitigate them. Thirdly, cybersecurity specialists should have knowledge of security protocols and encryption techniques. This includes knowledge of firewalls, intrusion detection systems, and virtual private networks. They should also be familiar with encryption software such as PGP and SSL.

By the way cybersecurity specialists should have knowledge of different operating systems such as Windows, Linux, and macOS. They should be familiar with network protocols such as TCP/IP and be able to analyze network traffic. Lastly, cybersecurity specialists should have excellent communication skills. They should be able to communicate technical information to non-technical staff and provide training on cybersecurity best practices. In conclusion, the requirements for cybersecurity specialists are expected to increase in the future. With the continuous growth of technology, the need for digital security will become more crucial. Cybersecurity specialists should have a strong foundation in computer science or information technology, knowledge of different types of cyber threats, knowledge of security protocols and encryption techniques, knowledge of different operating systems, and excellent communication skills. By possessing these

skills and knowledge, cybersecurity specialists can help safeguard individuals and organizations' digital security.

In conclusion, digital security is crucial in today's world. By following best practices such as using strong passwords, installing antivirus software, encrypting sensitive data, being aware of phishing scams, keeping software up to date, and backing up data, individuals and organizations can protect themselves from cyber threats. It is important nowadays to be careful on the internet due to the increasing use of internet-connected devices and the amount of personal information that is stored online. With the rise of cyber threats such as hacking, phishing scams, and identity theft, it is crucial to take measures to protect one's digital security. Failure to do so can result in financial loss, loss of personal information, and damage to one's reputation. By following best practices such as using strong passwords, installing antivirus software, encrypting sensitive data, being aware of phishing scams, keeping software up to date, and limiting access to sensitive information, individuals and organizations can protect themselves from cyber threats.

Литература

1. [Электронный ресурс]. – Режим доступа: <https://www.knowledgehut.com/blog/security/importance-of-cyber-security/>. – Дата доступа: 03.04.2023.
2. [Электронный ресурс]. – Режим доступа: <https://consumer.ftc.gov/articles/how-recognize-andavoidphishingscams#:text=Scammers%20use%20email%20or%20text%20messages%20to%20try%20to%20steal,your%20information%20to%20other%20scammers./>. – Дата доступа: 03.04.2023.
3. [Электронный ресурс]. – Режим доступа: <https://bau.edu/blog/how-togetstartedincybersecurity/#:~:text=The%20most%20common%20path%20people,a%20master%27s%20degree%20as%20well/>. – Дата доступа: 03.04.2023.

PROFALING AT CUSTOMS

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Every year the level of customs offenses increases, which leads to the development of new directions and tasks in the work of customs authorities. Offenders are becoming more difficult to detect due to the improvement in the quality of their training, the use of more sophisticated methods of hiding prohibited goods.