**Міністерство освіти і науки України**

**Національний університет «Запорізька Політехніка»**

Кафедра програмних засобів

**ЗВІТ**

з лабораторної роботи

з дисципліни «Іноземна мова»

Варіант №20

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2023

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Presentation Text

Greetings, ladies and gentlemen. Welcome to our discussion on The Future of Urban Living, a topic that affects us all in this era of rapid urbanization. We will explore how technology can help us create smarter, greener and more livable cities by harnessing the power of artificial intelligence (AI) and the Internet of Things (IoT). These technologies can enable us to optimize urban resources, enhance public services and improve the quality of life for millions of city dwellers. Join us as we delve into the opportunities and challenges of building the cities of tomorrow.

Smart cities are urban areas that leverage modern technology such as IoT and AI to enhance the living conditions and foster sustainable urban development. The IoT is a key component of smart cities, as it enables a network of interconnected devices that can communicate and share data with each other. The ultimate goal of smart cities is to use technology to improve the well-being of their citizens. One example of how smart cities can achieve this is by using IoT to optimize traffic management and improve road safety for drivers and pedestrians. Smart traffic control systems use sensors to monitor the traffic volume and speed on the road and adjust the traffic lights accordingly to reduce congestion and accidents.

London is the global leader in smart city innovation, with a projected population of 10 million people living in a 1,500 km2 area by 2030. The local government has made significant investments in AI, IoT, and 6G technologies to offer convenience and enhance interconnectedness among residents. The city mayor has developed a roadmap and launched several initiatives to achieve his vision of making London the “smartest city in the world.” These initiatives include improving public transport, reducing air pollution, increasing digital inclusion, and supporting the growth of the tech sector.

IoT sensors gather data and transmit it to a platform where it can be analyzed. In the city of the future, devices need to be able to interact with each other, so decisions can be made. Authorities and city officials need to collaborate with network operators to install several connectivity points across the city to ensure proper communication.

Smart city innovations that involve IoT may seem more appealing to the average citizen, but blockchain has enormous potential to enhance some of the most essential services that power urban areas, while also supporting IoT innovations. Innovative governments at the city, state, and country levels are already using the technology to improve public records management, peer-to-peer payments, and digital identity. Blockchain can offer transparency, security, and efficiency to these services, while also enabling new forms of collaboration and participation.

Cities around the world are becoming smarter, and with these developments will come new challenges and opportunities. Smart city projects are happening so fast that many people may already live in smart cities without even being aware of it. Electric vehicles, remote heating and camera systems, and even smart roads all contribute to the evolution of cities as we know them. These technologies can improve the efficiency, sustainability, and livability of urban areas, while also creating new possibilities for innovation and collaboration.

Smart cities also have a role to play in the reduction of emissions. As our cities currently consume 78% of the world’s energy, experts hope that smart cities will help to mitigate the negative impact of climate change and carbon emissions on our environment. Smart cities can use renewable energy sources, optimize energy efficiency, and promote green mobility and transportation to lower their carbon footprint and protect the planet.

To sum up, the integration of AI and IoT in modern cities is an exciting prospect that has the potential to transform the way we live. Smart cities are designed to improve the well-being of their citizens by using technology to optimize traffic management, offer convenience, and enhance interconnectedness among residents. As we continue to develop smart cities, we must also ensure that we address the challenges posed by these developments, including privacy and security concerns. Thank you all so much for your attention and if you have any further questions or feedback, please do not hesitate to share it.

Presentation Link

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