

THE ROLE OF DIGITIZATION OF THE ECONOMY IN THE WORLD ECONOMY

<https://doi.org/10.5281/zenodo.12501311>

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Abstract

In recent years, the digital transformation of the global economy has become an important driver of economic growth and innovation. The integration of digital technologies into various industries has revolutionized the way businesses operate, interact with customers, and create value. This article examines the profound impact of digitization on the global economy, highlighting its benefits, challenges, and future implications.

Keywords

Digitization, artificial intelligence, cloud computing, internet of things, digital platforms, e-commerce, transformation, infrastructure, digitalization challenges and their consequences.

Digitization: a catalyst for economic growth

Digitization refers to the process of using digital technologies to transform traditional business models and processes. The adoption of digital tools such as artificial intelligence, big data analytics, cloud computing, and the Internet of Things (IoT) have enabled businesses to streamline operations, improve efficiency, and increase productivity. As a result, economies around the world have experienced significant growth due to increased competitiveness and innovation due to digitization.

One of the important aspects of digitization is its role in entrepreneurship and small business development. Digital platforms and e-commerce channels have lowered the barriers to entry for startups, allowing them to reach a global audience with minimal resources. This democratization of entrepreneurship has led to increased innovation and job creation, particularly in emerging markets where access to traditional financial services may be limited.

Digital transformation across industries

The impact of digitization is spreading across industries, reshaping traditional business models and creating new opportunities for growth. For example, in the

financial sector, fintech companies have used digital technologies to disrupt traditional banking institutions and offer innovative financial products and services. Similarly, in healthcare, telemedicine platforms have transformed healthcare delivery and improved access to care for patients around the world.

In addition, digitization has revolutionized supply chain management by tracking goods in real-time and optimizing logistics operations. This has resulted in cost savings for businesses and increased customer satisfaction through faster delivery times. The introduction of Industry 4.0 technologies such as robotics and automation in production has led to increased efficiency and accuracy in production processes.

Problems and consequences of digitization

While digitization brings many benefits to economies around the world, it also poses challenges that need to be addressed to ensure inclusive growth and sustainability. The widening digital divide between developed and developing countries is a major concern. Access to reliable internet infrastructure and digital skills training remain limited in many parts of the world, preventing digitalization from fully enabling economic development.

In addition, cyber security threats pose a major threat to businesses operating in a digitally connected world. Data breaches, ransomware attacks, and other cyber threats can cause significant financial losses and reputational damage. As such, governments and businesses must invest in robust cybersecurity measures to protect sensitive data and maintain trust with customers.

Future Perspective: Managing the Digital Economy

Going forward, the continued digital transformation of the global economy will require proactive policies that encourage innovation, while addressing societal challenges such as job displacement due to automation. Governments play a crucial role in creating an enabling environment for digitization by investing in infrastructure, education, research and development.

Collaboration between the public and private sectors is essential to harness the full potential of digital technologies for sustainable economic growth. By embracing digitization responsibly and inclusively, countries can mitigate the risks associated with rapid technological change and unlock new opportunities for prosperity.

Summary

The role of digitization in shaping the world economy cannot be overestimated. As we navigate an increasingly interconnected global marketplace fueled by technological advancements, embracing digital transformation is not only a choice, but a necessity for businesses and economies seeking long-term competitiveness. By using digital tools effectively and proactively solving problems, countries can put themselves at the forefront of innovation and economic development in the 21st century.

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