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- Современные технологии управления организацией;
- Актуальные вопросы политики и права;
- Современные науки и образование;
- Информационные и коммуникативные технологии.

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ONE OF THE WORLD ECONOMIC LEADERS: INFRASTRUCTURE FOR THE DEVELOPMENT OF SMALL BUSINESS, PRIVATE ENTREPRENEURSHIP IN GERMANY AND APPLICABLE ASPECTS TO OUR ECONOMY

Abstract. Small businesses and private enterprises play a vital role in economic growth and job creation, both in Germany and Uzbekistan. The infrastructure required for their development is critical for their success. This article examines the infrastructure necessary for small businesses and private enterprises in Germany and the applicability of these aspects to Uzbekistan. The article explores the legal, financial, physical, technological, and human infrastructure necessary for small businesses and private enterprises in Germany to thrive. Germany has a well-developed legal system that protects the rights of businesses and individuals. The country also has a robust financial infrastructure, providing access to traditional bank loans, venture capital funding, and government grants and subsidies. The physical infrastructure in Germany offers access to office space, manufacturing facilities, and transportation networks, while the technological infrastructure provides access to high-speed internet, digital tools, and advanced technologies like artificial intelligence and machine learning. In this article, we conclude applicable aspects that can give opportunities for infrastructure development.

Keywords: small business, infrastructure, entrepreneurship, entrepreneur, development, strategies, policy, Germany, Uzbekistan.

Introduction

Small businesses and private entrepreneurship are key drivers of economic growth, innovation, and job creation in countries across the world. In Germany, small and medium-sized enterprises (SMEs) account for more than 99% of all companies and employ around 60% of the workforce. Similarly, in Uzbekistan, SMEs represent more than 95% of all businesses and play a significant role in the country's economic development. However, for small businesses and private entrepreneurship to thrive, the infrastructure required for their development must be in place.

Infrastructure can be defined as the physical, legal, financial, technological, and human resources necessary for the growth and success of businesses. The infrastructure required for small businesses and private entrepreneurship varies depending on the country's economic, political, and

social context. In Germany, for example, the infrastructure for small businesses and private entrepreneurship is well-developed, with robust legal, financial, physical, technological, and human resources available to support their growth. On the other hand, in Uzbekistan, while significant progress has been made, further investments and reforms are necessary to strengthen the infrastructure required for small businesses and private entrepreneurship.

This article explores the infrastructure necessary for the development of small businesses and private entrepreneurship in Germany and the applicability of these aspects to Uzbekistan. The article examines the legal, financial, physical, technological, and human infrastructure necessary for small businesses and private entrepreneurship in Germany and how these aspects can be applicable to Uzbekistan. The article concludes by providing recommendations for policymakers and stakeholders in both countries to support the growth and success of small businesses and private entrepreneurship.

Legal Infrastructure

The legal infrastructure is critical for the development of small businesses and private entrepreneurship. It provides the legal framework necessary for businesses to operate and protects the rights of businesses and individuals. In Germany, the legal infrastructure is well-developed, with a legal system that protects property rights, enforces contracts, and provides dispute resolution mechanisms. Additionally, Germany has established institutions that support small businesses and private entrepreneurship, including chambers of commerce, industry associations, and trade unions.

In Uzbekistan, the legal infrastructure has undergone significant reforms in recent years to support the development of small businesses and private entrepreneurship. The government has implemented reforms to improve the ease of doing business, including the simplification of business registration procedures and the introduction of electronic tax filing. However, further reforms are necessary to strengthen the legal infrastructure, including the establishment of independent courts, the protection of intellectual property rights, and the development of a transparent and predictable regulatory environment.

Financial Infrastructure

Access to financing is critical for small businesses and private entrepreneurship to start and grow their businesses. In Germany, small businesses and private entrepreneurship have access to a variety of financing options, including traditional bank loans, venture capital funding, and government grants and subsidies. Additionally, Germany has established institutions that support small businesses and private entrepreneurship, including the KfW Bankengruppe, which provides financing and consulting services to small businesses.

In Uzbekistan, access to financing remains a significant challenge for small businesses and private entrepreneurship. The government has established microcredit organizations to provide financing to small businesses, but access to traditional bank loans remains limited. Additionally, the lack of collateral and credit history requirements make it difficult for small businesses and private entrepreneurship to access financing. Further investments and reforms are necessary to strengthen the financial infrastructure, including the establishment of credit bureaus and the development of a regulatory framework for microfinance institutions.

Physical Infrastructure

The physical infrastructure includes facilities and services necessary for the operation of businesses, such as office space, manufacturing facilities, and transportation networks. In Germany, the physical infrastructure is well-developed, with access to modern office spaces, manufacturing facilities, and transportation networks. The country has invested in high-speed railways, highways, and airports to support the efficient movement of goods and people.

Literature review

Small and medium-sized enterprises (SMEs) play a significant role in the economic development of many countries. According to the European Commission (2020), SMEs represent 99% of all businesses in the European Union (EU), and they are responsible for two-thirds of employment and more than half of the total value added. In Germany, SMEs account for 99.3% of all businesses, and they provide more than 60% of employment (Bundesministerium für Wirtschaft und Energie [BMWi], 2020). German SMEs are considered to be the backbone of the German economy, and they are known for their innovation, productivity, and competitiveness (Deutsche Bank Research, 2019)[5,6].

The success of German SMEs can be attributed to various factors, including a supportive legal and regulatory environment, access to finance, availability of skilled workforce, and advanced infrastructure (OECD, 2019). Germany has a well-developed infrastructure, which includes transport, energy, telecommunications, and digital networks. These infrastructure elements play a crucial role in the growth and competitiveness of SMEs. For example, a well-functioning transport system enables SMEs to access markets and supply chains, while reliable energy supply and digital networks enable them to operate efficiently and effectively.

In recent years, Uzbekistan has also recognized the importance of SMEs in its economic development. The government has implemented various measures to promote the development of small business and private entrepreneurship, including the approval of the National Strategy for the Development of Small Business and Private Entrepreneurship in 2019 (Uzbekistan National News Agency [UzA], 2019). The strategy aims to create a

favorable environment for SMEs, improve access to finance, and enhance the skills of entrepreneurs and employees.

However, the infrastructure for SMEs in Uzbekistan is not as developed as in Germany. According to the World Bank (2021), Uzbekistan ranks 169th out of 190 economies in the ease of doing business, which indicates that the country still faces significant challenges in providing a supportive business environment. In particular, the country needs to improve its infrastructure, including transport, energy, and digital networks, to facilitate the growth and competitiveness of SMEs[12].

The European Investment Bank (EIB) has been actively involved in supporting the development of SMEs in Uzbekistan. In 2021, the EIB signed agreements worth more than 600 million euros with Uzbekistan to finance various projects, including the modernization of transport infrastructure, renewable energy, and digitalization (UzA, 2021). These investments are expected to improve the business environment and facilitate the growth of SMEs in the country.

In summary, the literature suggests that a well-developed infrastructure is critical for the growth and competitiveness of SMEs. Germany provides an excellent example of how a supportive legal and regulatory environment, access to finance, availability of skilled workforce, and advanced infrastructure can contribute to the success of SMEs. Uzbekistan has recognized the importance of SMEs in its economic development and has implemented measures to promote their growth. However, the country still faces significant challenges in providing a supportive business environment, particularly in terms of infrastructure. The investment by the EIB in Uzbekistan's infrastructure is expected to improve the business environment and facilitate the growth of SMEs in the country.

Methodology

This article is based on a literature review of relevant sources, including academic articles, reports, and policy documents, related to the infrastructure for the development of small business and private entrepreneurship in Germany and Uzbekistan. The literature review was conducted using various databases, including Google Scholar, JSTOR, and the World Bank's Open Knowledge Repository. The search terms used for the review included "small business," "SMEs," "private entrepreneurship," "infrastructure," "Germany," and "Uzbekistan."

The literature review aimed to identify the key infrastructure elements that contribute to the growth and competitiveness of SMEs in Germany and the challenges faced by SMEs in Uzbekistan due to inadequate infrastructure. The review also aimed to identify the measures taken by the German and Uzbekistani governments to support SMEs and improve their access to infrastructure.

The findings of the literature review were synthesized and presented in the previous section of this article, which discussed the importance of infrastructure

for the development of SMEs, the well-developed infrastructure in Germany, the challenges faced by SMEs in Uzbekistan due to inadequate infrastructure, and the measures taken by the Uzbekistani government and the European Investment Bank to improve infrastructure in the country.

The literature review was complemented by a desk-based analysis of relevant statistical data on the performance of SMEs in Germany and Uzbekistan, including their contribution to the respective economies and their access to infrastructure. The data were sourced from various international organizations, including the European Commission, the Organization for Economic Co-operation and Development (OECD), and the World Bank.

Overall, this article employs a qualitative research approach, which is based on the analysis of secondary data sources. The research design is appropriate for the research question, which aims to explore the infrastructure for the development of small business and private entrepreneurship in Germany and Uzbekistan. The literature review and the analysis of statistical data provide a comprehensive overview of the infrastructure elements that contribute to the growth and competitiveness of SMEs and the challenges faced by SMEs in Uzbekistan due to inadequate infrastructure.

Discussion and Conclusion

The literature review and the analysis of statistical data suggest that infrastructure is a critical determinant of the growth and competitiveness of SMEs. In Germany, SMEs benefit from a well-developed infrastructure, which includes advanced transportation networks, modern communication technologies, and efficient logistics systems. These infrastructure elements contribute to the efficient distribution of goods and services, reduce transportation costs, and facilitate access to markets, suppliers, and customers. Additionally, the availability of affordable and reliable energy, water, and sanitation services supports the growth of SMEs and enhances their productivity. Particularly, digital infrastructure developing small business survey gave to results for future improvements(Figure 1.).



Figure 1. Digital infrastructure survey results in Germany.

Resource: <https://www.dotmagazine.online/>

In Uzbekistan, however, SMEs face significant challenges due to inadequate infrastructure. The country's transportation networks are underdeveloped and suffer from poor quality roads and railways, leading to high transportation costs and long delivery times. The lack of access to affordable and reliable energy and water services hampers the productivity and competitiveness of SMEs, particularly in rural areas. Additionally, the inadequate telecommunications infrastructure limits SMEs' ability to use modern communication technologies, such as e-commerce and online marketing, to reach customers and suppliers.

To address these challenges, the Uzbekistani government has launched various initiatives to improve infrastructure, including the construction of new highways and railways, the development of renewable energy sources, and the expansion of telecommunications networks. The European Investment Bank has also provided funding to support infrastructure development in the country. However, more efforts are needed to ensure that SMEs in Uzbekistan have access to the necessary infrastructure to compete effectively in domestic and international markets.

In conclusion, the infrastructure for the development of small business and private entrepreneurship is critical for the growth and competitiveness of SMEs. The literature review suggests that advanced transportation networks, modern communication technologies, efficient logistics systems, and reliable energy, water, and sanitation services are essential infrastructure elements that SMEs require to compete effectively in domestic and international markets. In Germany, SMEs benefit from a well-developed infrastructure, while SMEs in Uzbekistan face significant challenges due to inadequate infrastructure. The Uzbekistani government and international organizations have taken steps to improve infrastructure, but more efforts are needed to support SMEs and enhance their access to infrastructure.

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