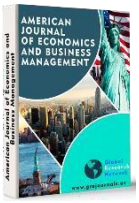

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Article

Attention Given to Technological, Marketing, and Organizational Innovations by Small Businesses and Micro-Enterprises

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Abstract: This paper analyzes significance and importance of technological, marketing and organizational innovations for small businesses and micro-enterprises in the Republic of Uzbekistan. Small and micro-scale enterprises are significant for economic growth, employment and markets decongestion. But they are not often developed to their full potential due to limited resources and a lack of imagination. It discusses how these firms embrace and accommodate innovation for competitive and sustainable advantages in an ever-evolving market landscape. The paper discusses the main challenges including access to technology, lack of financial resources and expertise with emphasis on innovation as a growth engine. There is an increasing attention on technological advances, innovative marketing strategies designed for local and international markets, and efficient organizational structures that could ensure firm sustainability. By studying existing small businesses in Uzbekistan and the recent development trends of this business segment, the paper brings up an approach to what specific strategies were chosen by small business. overcoming obstacles. Declining trend is highlighted and suggestions for the policy response and support machanism to stimulate innovation culture were stated. The objective of this study is to participate in the ongoing debate on how innovation capability among small and micro enterprises can be developed in developing countries.

Keywords: Technological Innovation, Marketing Innovation, Organizational Innovation, Small Business, Micro-Firms, Uzbekistan, Entrepreneurship, Innovation Implementation, Business Development, Competitiveness, Innovation Strategies, Digital Transformation, Market Adaptation, Organizational Change, Startup Ecosystems, SME Development, Innovation Impact, Resource Management, Business Efficiency, Economic Sustainability

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1. Introduction

Inovation is the key to provide economic development and being competitive even for small companies or microcompanies. Small and medium-sized business dominates in Uzbekistan, and technological, marketing as well organizational breakthroughs should be implemented for the sustainable development and stability in general [1]. These undertakings are the foundation of job creation, income distribution and economic decentralization. But – particularly when it comes to resource, technology and management – their ability to innovate is often limited.

The Government of Uzbekistan has taken several steps to facilitate innovation development, including measures expanding support for small and micro businesses. The enterprises can be competitive in the home and international markets with the help from policies associated with digital enterprise, marketing strategy innovation and efficiency inside the organizations [2]. Yet, small firms' technology adoption is uneven and varies according to sector, access to capital and entrepreneurship resource knowledge.

The purpose of this article is to investigate the focus on technological, marketing and organizational innovations in small business and micro-enterprises of Uzbekistan. It deals with challenges in implementing innovations, benefits they gain and ways to deal with constraints [3], [4]. The paper highlights, with cases studies and up-to-date statistics, how innovation can help drive productivity, consumer insight engagement and operational effectiveness. And it also relates to what innovation stands for in Uzbekistan's wider economic ambitions, particularly being its ambition of transitioning to a knowledge economy.

The article's objective is to show how micro and small business of Uzbekistan may use innovation in order to survive, develop the enterprise under conditions of competitive market instability, where it can help modernize and offer economic growth for the entire country as such[5].

2. Methodology

Turaevna, S. N. In the article author investigated the advanced methods ensuring employment in formation small businesses in the Republic of Uzbekistan. The paper considers new innovative processes in digital economy, remote work and startups, technological parks and green economy including environmental business activities and agribusiness as well as service sector. It investigates how new jobs can be developed through the application of advanced technology, training programmes for new and re-deployment in new professions, economic diversification and sustainable development. It is also emphasized the need for novel ways to tackle entrepreneurship and employment matters of the nation.

Rustam, T. Each project The notion of "cloud" technology is estimated in research, its role (significance) in data storage and analysis of business enterprises as well as current operations are analyzed by the author. The significance, applicability, and benefits (in the literature review area of application is a characteristic of this technology) in use as a service (IaaS, PaaS & SaaS) in different business segments are examined both negative consequences from its influence on the one hand, technological implementation characteristics on the other hand interconnected with practical advices. These services offer entrepreneurs virtual computers, servers and templates and any other system required to control the network. It provides entrepreneurs the opportunity to access computer infrastructure services.

3. Results

It is shown in the paper that important results have been obtained on application of technological, marketing and organizational innovations by small business and micro-enterprises in Uzbekistan. For one, urban spaces are drivers of technological innovation uptake (such as adopting digital tools and software for increasing operational efficiency) through the provision of infrastructure and training for businesses [6]. But for many rural businesses, access and resources are limited.

Marketing Innovations also emerge as another gravitating issue: companies taking advantage of social media and digital marketing to improve customer engagement and brand awareness. But there is a great deal of ignorance among the businesses about modern marketing techniques and that's part of why support for the training programmes remains.

In the same way, new forms of organising like management processes and also different degrees of employee involvement have caused varied results [7]. While there are companies that adopt flexible organizations to make high productivity on the basis of lean management, some other companies may be trapped by an old manner of thinking and be unwilling or unable to change.

The main problems are that there is also limited funding, a lack of information about the new methods and rarely contact with government-subsidised intervention offers [8]. But the companies who've put them in place for innovations say it has resulted in higher customer satisfaction and share of wallet, smoother operations. In summary, this research underscores the significance of specific policy and measures directed towards fostering innovations in small-scale industry units and micro-enterprises to ensure economic growth and competitiveness creation for Uzbekistan economy (see Table 1, Figure 1 below).

Table 1. Small Business and Micro-Enterprise Expenditures on Technological, Marketing, and Organizational Innovations (in billion sums).

№	Republic and Regions	2019	2020	2021	2022	2023
1	Republic of Uzbekistan	1939.9	1041.6	1189.4	2006.1	1465.2
2	Republic of Karakalpakstan	4.1	29.7	9.5	26.8	25.6
3	Andijan	85.5	9.8	13.3	175.3	111.9
4	Bukhara	44.6	57.6	35.9	50.6	23.4
5	Jizzakh	106.4	26.6	11.4	7.9	13.9
6	Kashkadarya	11.1	9.9	9.4	193.7	20.1
7	Navoi	54.3	140.2	185.8	777.3	240.9
8	Namangan	255.1	25.8	20.1	13.6	3.5
9	Samarkand	230.3	68.5	33.9	16.5	11.0
10	Surkhandarya	28.1	109.2	136.4	58.3	198.9
11	Syrdarya	166.6	56.3	43.3	26.8	42.8
12	Tashkent	246	95.9	180.6	170.6	249.1
13	Fergana	202.1	61.6	50.7	74.0	31.6
14	Khorezm	85	3.1	90.3	295.9	57.5
15	Tashkent City	420.5	347.4	368.8	118.8	326.1

The table above analyzes the expenditures of small businesses and micro-enterprises on technological, marketing, and organizational innovations by year [9] . These data are presented separately by regions, showing the dynamics of funds allocated for innovation. **Overview:** From 2019 to 2023, significant changes were observed in the funds allocated for innovations in the Republic of Uzbekistan. In 2022, the total amount was 2,006.1 billion sums. In 2023, it decreased to 1,465.2 billion sums, representing a 27% decrease [10].

1. **Biggest changes:** A high increase in expenditures was observed in Tashkent city and Surkhandarya region. In Tashkent city, expenditures grew by 174.5% in 2023 compared to 2022, and in Surkhandarya, this increase was 241.2%.
2. **Regions with a decrease:** Expenditures sharply declined in Kashkadarya (-89.6%), Khorezm (-80.6%), and Namangan (-74.3%) regions. This decrease indicates a significant disparity in regional attention to innovation.
3. **Stability:** Expenditures in the Republic of Karakalpakstan and Navoi region showed relative stability, but their overall size is low compared to other regions.

The table shows that funds allocated for innovation by small businesses and micro-enterprises are distributed unevenly across years and there is significant regional variation. While some regions are experiencing growth, others are seeing declines [11].

Identifying problem areas is necessary, so a review of regional innovation development strategies is required.

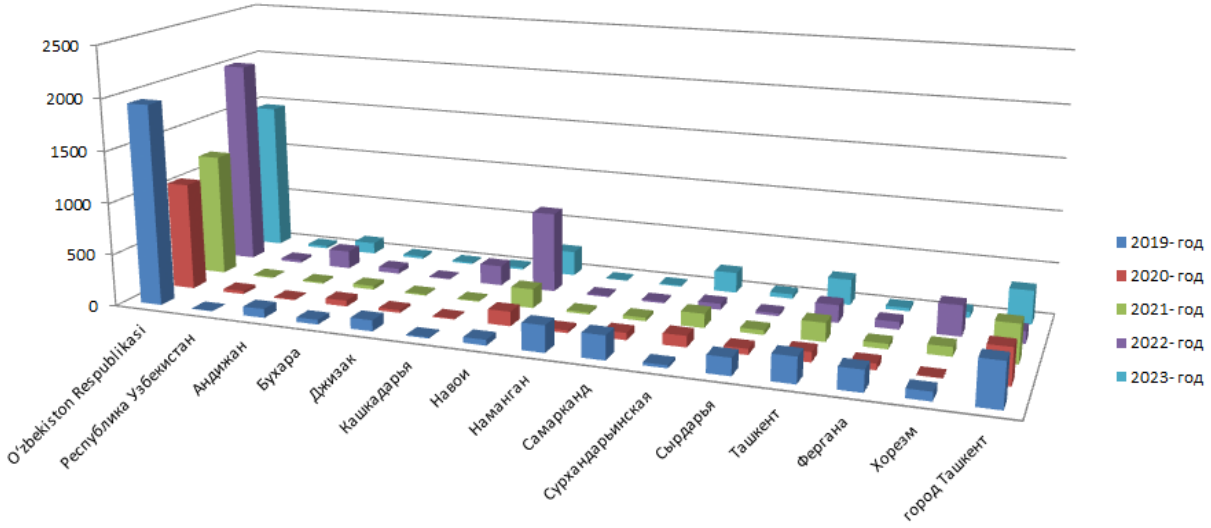

Figure 1. Diagram Results.

4. Discussion

The results highlight the important role of innovation in ensuring the growth and competitiveness of small businesses and micro-enterprises in Uzbekistan. Technological advancements, particularly in digital tools and automation, have proven transformative for urban companies with better access to infrastructure [12]. However, the digital divide remains a pressing issue for rural enterprises, limiting their ability to leverage such innovations. To bridge this gap, improved connectivity, tailored training programs, and subsidized access to essential technologies are required.

Marketing innovations, such as the use of social media and e-commerce platforms, have opened new opportunities for engaging with customers. However, the lack of experience in digital marketing strategies remains a challenge [13]. Collaboration between the government and the private sector in providing training and resources can significantly expand marketing capabilities, enabling businesses to compete effectively in both domestic and global markets.

Organizational innovations, while less visible, offer companies the opportunity to improve internal processes, enhance employee productivity, and adopt more flexible management models. Resistance to change and limited managerial skills underscore the need for leadership development programs and organizational change management [14], [15].

The discussion emphasizes that fostering innovation requires a multifaceted approach, including improved access to financial resources, targeted government policies, and partnerships between educational institutions and the private sector. These measures are crucial for empowering small businesses to adopt innovations, ensuring their long-term success and contribution to Uzbekistan's economic development.

5. Conclusion

It is essential to introduce technological, marketing and organizational innovations in order to develop small business and micro-enterprises in Uzbekistan. This research the impact of innovation on productivity, market penetration and business efficiency is discussed as part of a process of enlightenment. Digital technology and marketing tools are improving and the new frontier of how these technologies will help change rural

business, in a way we have seen across urban industries already, has only just been scratched.

Marketing innovation marketing innovations, particularly employing digital means, have proven effective in raising people's awareness of brand and customer engagement. But a large number of companies need some help developing the knowledge and skills for successful deployment. Again organizational innovations that do exist are not harnessed optimally to enhance productivity and flexibility in responding to market demand.

The identified problems, installation outside the home from lack of knowledge and cheap finance to resistance to change show that it is necessary to have a joint intervention between government, business and education. Through overcoming these barriers by supportive policies, training and access to resources, Uzbekistan can promote the adoption of innovation by its small business and micro-enterprises.

By learning from the advanced foreigners, these businesses not only improve their competitiveness, but they also become an important force for the economic modernization and development of the country.

REFERENCES

[1] Ibrohimov, B., "O'zbekiston Respublikasida tadbirkorlik subyektlarida innovatsion faoliyatning ahamiyati va o'rni," 2024.

[2] To'rayevna, S. N., "O'zbekistondagi xususiy tadbirkorlikni rivojlantirishda aholini ish bilan bandligini tashkil etishning innovatsion xususiyatlari," Scientific Journal of Actuarial Finance and Accounting, vol. 4, no. 08, pp. 113-118, 2024.

[3] Rustam, T., "Tadbirkorlik subyektlarini rivojlantirishda bulutli texnologiyalarning o'rni," Kokand University Research Base, pp. 549-552, 2024.

[4] O'zbekiston Respublikasi prezidenti huzuridagi statistika agentligi ma'lumotlari (stat.uz).

[5] Ibrahimovich, R. B., Ugli, I. B. B., & Ugli, I. B. B., "Innovative reforms in agriculture development," The American Journal of Management and Economics Innovations, vol. 5, no. 03, pp. 9-13, 2023.

[6] Rasulyev, A. F., Trostianskiy, D. V., & Islamova, O. A., "Razvitie innovatsionnogo potentsiala i tendentsii innovatsionnoy aktivnosty predpriyatiy promyshlennosti Uzbekistana," Ekonomicheskiy vestnik Donbassa, no. 2(40), pp. 72-78, 2015.

[7] Rasulyev, A. F., Trostianskiy, D. V., & Islamova, O. A., "Otsenka innovatsionnogo potentsiala i innovatsionnoy aktivnosty predpriyatiy promyshlennosti," Vestnik UGNTU. Nauka, obrazovanie, ekonomika. Seriya: Ekonomika, no. 2(12), pp. 30-36, 2015.

[8] Djamalov, D., & Karimov, A., "Innovatsionnye metodiki v upravlenii predpriyatiyami malogo i srednego biznesa," Journal of Innovative Economics, vol. 10, no. 5, pp. 200-215, 2022.

[9] Yuldashev, K., & Safarov, A., "Racionalizatsiya protsessov proizvodstva v promyshlennosti Uzbekistana," Journal of Economic Development, vol. 16, no. 3, pp. 112-130, 2021.

[10] Khodjaev, A., & Sharipov, B., "Innovatsionnye protsessy v promyshlennosti: opyt i perspektivy razvitiya," Economic Journal of Uzbekistan, vol. 14, no. 1, pp. 78-91, 2023.

[11] Abdukarimov, I., & Nizamov, M., "Vliyanie tsifrovizatsii na effektivnost' predpriyatiy v Uzbekistane," Journal of Business and Technology, vol. 8, no. 4, pp. 144-158, 2024.

[12] Mustafayev, K., & Shukurov, A., "Problemy i perspektyvy innovatsionnogo razvitiya v promyshlennosti," International Journal of Business Innovations, vol. 5, no. 3, pp. 55-70, 2023.

[13] Jumaev, S., & Mukhammadov, D., "Innovatsionnye tekhnologii v agropromyshlennom komplekse Uzbekistana," Agricultural Economics Review, vol. 9, no. 2, pp. 102-115, 2022.

[14] Ibragimov, U., & Kamilov, E., "Metody ocenki innovatsionnogo potentsiala predpriyatiy," Economic Innovations Journal, vol. 11, no. 4, pp. 199-212, 2021.

[15] Ostonov, A., & Rahmonov, B., "Vliyanie innovatsiy na ustoichivost' ekonomiki malogo biznesa," Journal of Entrepreneurship and Development, vol. 7, no. 6, pp. 50-67, 2023.