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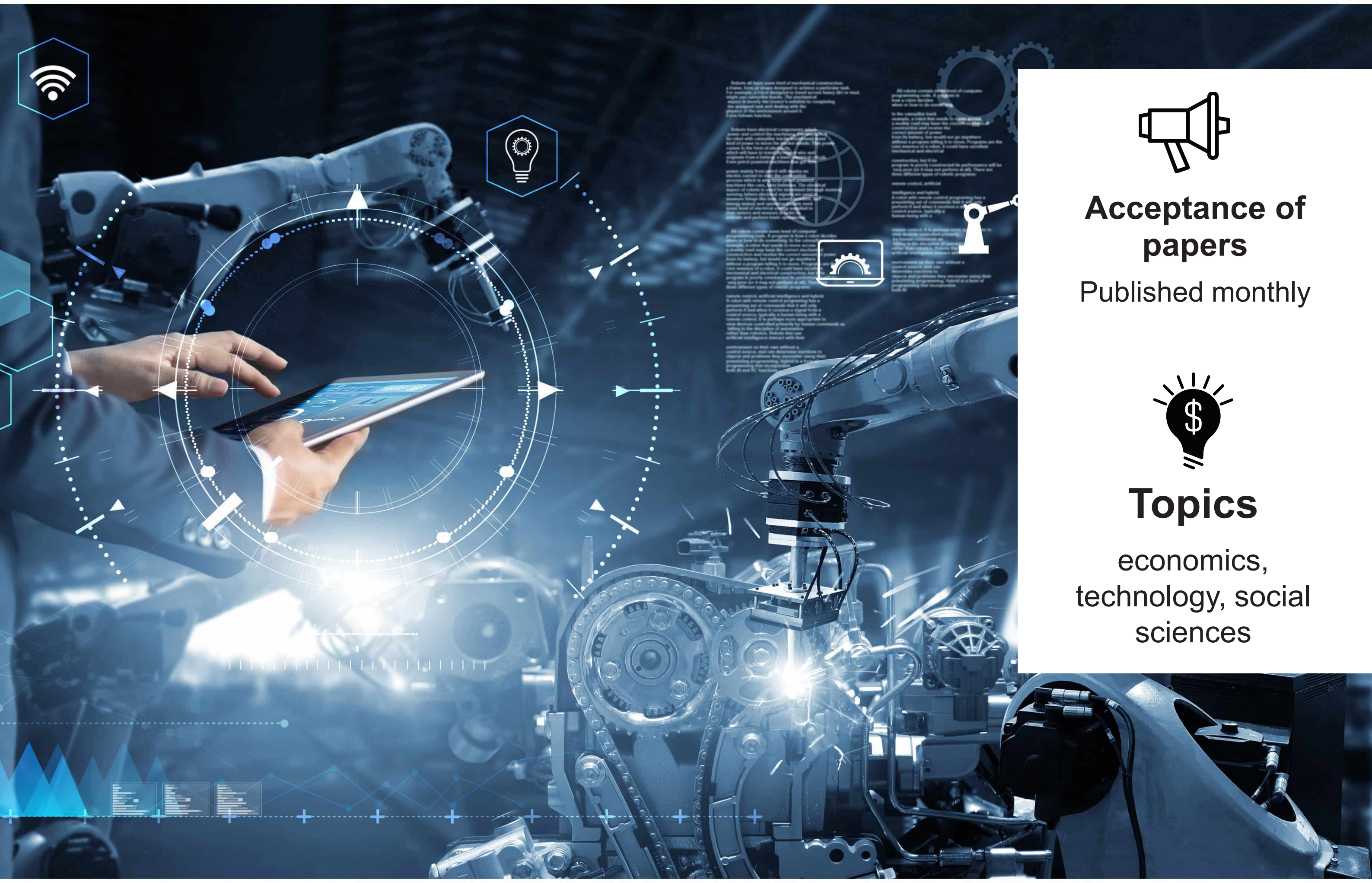

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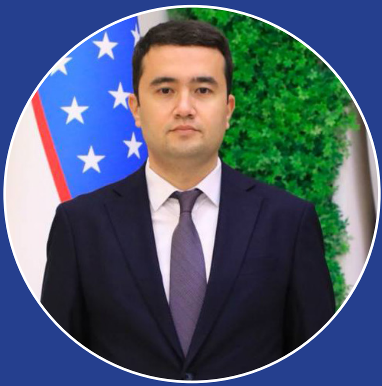

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CONTENTS

THE IMPACT OF FINANCIAL RISKS ON THE DEVELOPMENT OF REGIONAL ECONOMIC GROWTH DRIVERS AND OPPORTUNITIES FOR THEIR MITIGATION

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Abstract: This paper analyzes the assessment of financial risks arising in the development of regional economic growth drivers, as well as their impact on economic growth and opportunities for their mitigation. The study examines the main factors of regional economic development, types of financial risks, and their impact on economic growth. It is substantiated that analytical models based on artificial intelligence can serve as effective tools for identifying and forecasting financial risks.

Key words: statistics, results, regulation, government, local level, finance.

INTRODUCTION

Regional economic growth drivers—such as industrial production, investment activity, the development of the service sector, innovation activity, and export potential—play a crucial role in ensuring sustainable economic growth. The effective development of these factors contributes significantly to the stable growth of regional economies.

However, various financial risks arise in the process of economic development. These risks may negatively affect the efficiency of investment projects, reduce the effectiveness of financial resource utilization, and pose threats to economic stability. Therefore, the timely identification, assessment, and effective management of financial risks are among the key prerequisites for regional economic development.

Regional economic growth constitutes an essential component of national economic development. The economic potential of regions, production resources, investment activity, and infrastructure development are considered the main factors of economic growth. At the same time, various financial risks may emerge during the economic growth process.

Financial risks can negatively influence the efficiency of investment processes, decrease economic stability, and slow down the pace of economic development. Thus, identifying, assessing, and managing financial risks in a timely manner represents an important scientific and practical task. In the context of a modern economy, the use of artificial intelligence technologies plays a significant role in addressing this issue.

LITERATURE REVIEW

Recent scientific studies indicate that the integration of artificial intelligence (AI) technologies into regional economic growth and financial risk management processes has strategic importance. AI technologies provide high accuracy and efficiency in the allocation of financial resources, identification of credit and operational risks, and assessment of uncertainties in investment processes.

For instance, the work of Aliqul Erdonayev analyzes the application of AI tools in digital banking services for detecting credit risks and fraud cases, thereby describing practical mechanisms for reducing and managing financial risks.

Munishkhon Isoqulova examines the role of AI technologies in forecasting risks within investment processes and ensuring sustainable financing, demonstrating that these technologies create innovative opportunities for the early identification and management of investment risks.

Farhod Uzoqov, in his research, analyzes approaches to the use of AI technologies in forecasting regional economic indicators and strengthening management mechanisms, which enables a comprehensive analysis of financial risks.

At the international level, Gulbakhor Bakoeva substantiates the use of AI-based predictive analytics and machine learning algorithms in financial institutions for identifying credit risk, market volatility, and fraudulent activities.

Overall, the literature demonstrates that AI technologies significantly improve the processes of identifying, assessing, and managing financial risks. At the same time, they contribute to the development of evidence-based decision-making in shaping regional economic growth drivers.

RESEARCH METHODOLOGY

The following scientific methods were employed in the research process:

- economic-statistical analysis;
- comparative analysis;
- system approach;
- economic and mathematical modeling;
- forecasting methods based on artificial intelligence.

These methods were used to analyze the interrelationship between regional economic growth drivers and financial risks. In addition, the potential application of artificial intelligence algorithms in identifying and forecasting financial risks was examined.

ANALYSIS AND RESULTS

According to the results of the analysis, an increase in investment volume contributes to the expansion of production activities, the introduction of new technologies, and the improvement of economic efficiency. The development of industrial production leads to the creation of new jobs in the regions and an increase in household incomes. The expansion of the service sector enhances economic activity and ensures the diversification of the regional economic system.

In addition, the development of innovative activities contributes to the modernization of production processes and the implementation of new technologies. The growth of export activity provides additional foreign currency inflows to regional economies and strengthens economic stability.

Investment, industrial production, the service sector, innovation activity, and export potential play a significant role as key drivers of regional economic growth. The effective development of these factors ensures sustainable economic growth in the regions. However, in this process, financial risks such as investment risk, credit risk, inflation risk, currency risk, and liquidity risk may arise.

Furthermore, analytical systems based on artificial intelligence enable the rapid processing and forecasting of large volumes of economic data. The research findings indicate that, under modern economic conditions, the use of artificial intelligence technologies enhances the effectiveness of managing regional economic development processes.

Artificial intelligence systems allow for in-depth analysis of economic processes. In ensuring regional economic growth, the use of modern digital technologies, particularly artificial intelligence, is of great importance. The implementation of AI-based models in the process of identifying and assessing financial risks increases the efficiency of economic decision-making and further stabilizes investment processes.

As a result, the use of artificial intelligence technologies creates new opportunities for managing regional economic development. In particular, it significantly improves the efficiency of analyzing economic processes, forecasting financial risks, and making strategic management decisions. Therefore, the implementation of AI-based analytical systems in regional economic policy is considered one of the key factors of economic development.

CONCLUSION AND RECOMMENDATIONS

In conclusion, the assessment and management of financial risks play a crucial role in the effective development of regional economic growth drivers. The results of the study indicate that the use of artificial intelligence technologies enhances the efficiency of identifying, analyzing, and forecasting financial risks. This, in turn, contributes to ensuring the sustainable development of regional economies.

Furthermore, AI-based analytical systems enable a comprehensive analysis of economic data, allowing for the early identification of the likelihood of financial risks. This facilitates improved efficiency of investment projects, rational utilization of financial resources, and the strengthening of regional economic stability.

REFERENCES

1. Turopova, N. Kh. (2023). Specific features of local finance in the financial system of Uzbekistan. *Green Economy and Development Journal*, No. 11–12, December, p. 387.
2. Porter, M. (1998). *The Competitive Advantage of Nations*. New York: Free Press.
3. Samuelson, P. A., & Nordhaus, W. D. (2010). *Economics*. New York: McGraw-Hill.
4. Todaro, M. P., & Smith, S. C. (2015). *Economic Development*. Pearson Education.
5. State Committee of the Republic of Uzbekistan on Statistics. (n.d.). Statistical data.
6. Research studies on the digital economy and artificial intelligence.

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