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SAMARKAND STATE UNIVERSITY NAMED AFTER SH.RASHIDOV

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**IMPROVEMENT OF ORGANIZATIONAL AND ECONOMIC
MECHANISMS FOR INCREASING THE INNOVATIVE POTENTIAL OF
INDUSTRIAL ENTERPRISES**

08.00.03 – Industrial Economics

**ABSTRACT OF THE DISSERTATION
of the doctor of philosophy (PhD) on economic sciences**

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INTRODUCTION (abstract of PhD dissertation)

The aim of research work development of scientifically based proposals and recommendations for improving organizational and economic mechanisms for increasing the innovative potential of industrial enterprises.

The object of the research work of the the study examined industrial enterprises operating in the Samarkand region, their innovative potential and economic activity.

Scientific novelty of the research work consists of the following:

According to the methodological approach, the economic meaning of the concept of "innovative potential" is that economic entities implement innovative developments that meet market needs, effectively use resources, increase their profitability within the framework of effective interaction of various structural units; the level of capabilities increases based on a combination of innovative potential, attractiveness and risk factors;

in accordance with the description of innovative projects with state support for the innovative potential of industrial enterprises "highly significant" ($QQ_{ya} \geq 0.6$), "significant" ($QQ_a \geq 0.5$), "moderately significant" ($QQ_{o'a} \geq 0.35$), "low significant" ($QQ_{pa} \geq 0.1-0.15$) is based on the provision of effective tools and levers for promoting innovations through grouping;

When assessing the innovative potential of industrial enterprises, venture capital ($V_k = 0.11$), human capital ($I_k = 0.13$), innovative technologies ($I_t = 0.18$) and results ($I_n = 0.13$), scientific developments ($I_{ish} = 0.15$) are taken into account, based on increasing the level of innovative potential by determining the optimal ratio of digital technology factors ($R_t = 0.11$);

Based on an econometric model representing the relationship between the factors influencing the increase in the innovative potential of industrial metallurgical enterprises in the Samarkand region, forecast indicators for increasing production volumes until 2027 have been developed.

Implementation of the research results. Based on the obtained scientific results on improving the organizational and economic mechanism for increasing the innovative potential of industrial enterprises:

According to the methodological approach, the economic meaning of the concept of "innovative potential" is that economic entities implement innovative developments that meet market needs, effectively use resources, increase their profitability within the framework of effective interaction of various structural units; the level of ability to improve based on a combination of innovative potential, attractiveness and risk factors was used in the preparation of the textbook "Global Economic Development" (Decision of the Council of Samarkand State University dated November 30, 2021, No. 5).). As a result of the implementation of this scientific proposal in practice, this allowed students to further deepen their theoretical knowledge regarding the economic content of the concept of "innovative potential", which was improved based on a combination of innovative potential, attractiveness and risk factors;

in accordance with the description of innovative projects with state support of the innovative potential of industrial enterprises “highly significant” ($QQ_{ya} \geq 0.6$), “important” ($QQ_a \geq 0.5$), “moderately significant” ($QQ_{o'a} \geq 0.35$), corresponding to the description of innovative projects with state support of the innovative potential of industrial enterprises,35), during the preparation, a proposal was used to provide effective means and levers for stimulating innovation by grouping them by levels of “low importance” ($QQ_{pa} \geq 0.1 - 0.15$) by the “Chamber of Commerce and Industry of the Republic of Uzbekistan” in 2024-2025. program “Development of the innovative potential of industrial enterprises” (Appeal of the Chamber of Commerce and Industry of the Republic of Uzbekistan dated May 20, 2024 No. 9 / 105-30-8451). The use of this proposal made it possible to increase the economic efficiency of innovation implementation by 20.0% based on the systematization of the applied indicators;

When assessing the innovative potential of industrial enterprises, venture capital ($V_k = 0.11$), human capital ($I_k = 0.13$), innovative technologies ($I_t = 0.18$) and results ($I_n = 0.13$), scientific developments ($I_{ish} = 0.15$), a proposal to increase the level of innovative potential by determining the optimal ratio between digital technology factors ($R_t = 0.11$) are taken into account. “As part of the preparation of the program “Development of the innovative potential of industrial enterprises for 2024-2025” by the Chamber of Commerce and Industry” Used by the industry of the Republic of Uzbekistan (certificate of the Chamber of Commerce and Industry of the Republic of Uzbekistan dated May 20, 2024 No. 9 / 105-30-8451). The use of this proposal made it possible to increase the economic efficiency of innovation implementation by 30.0% based on the systematization of the applied indicators;

Based on the econometric model reflecting the relationship of factors influencing the increase in the innovative potential of industrial enterprises of the Samarkand region, from the forecast indicators of production volume until 2027, developed by the Chamber of Commerce and Industry of the Republic of Uzbekistan “In 2024, it was used in the preparation of the program “Development of the innovative potential of industrial enterprises” (Information of the Chamber of Commerce and Industry of the Republic of Uzbekistan dated May 20, No. 9 / 105-30-8451). 2024 The use of this proposal to increase the volume of industrial production in 2027 served to a certain extent to the growth and improvement of the composition compared to the year;

The structure and scope of the dissertation. The dissertation consists of an introduction, three chapters, a conclusion, a list of references and appendices. The total volume of the work is 150 pages.