

**EXISTING PROBLEMS IN INNOVATIVE DEVELOPMENT OF NAMANGAN
REGION AND THEIR SOLUTIONS**

Okboev Alisher Rasuljanovich

Namangan Institute of Engineering and Technology associate professor
e - mail: o. r.alisher @mail.ru phone number: 93-946-00-04

Yuldashev Bekzodjon Sherzodjon ugli

Namangan Engineering and Technological Institute
Researcher, phone number: 99 - 970 - 24 - 24

Abstract

In this article , the role of innovations in the development of small business and private entrepreneurship in the Namangan region, the analysis of the work carried out in the field, and based on these analyzes theoretical and practical recommendations on existing problems and their solutions have been developed .

Keywords: Small business and entrepreneurship, innovation, startup accelerator, business incubator, IT PARK center, innovative training and production, innovative ideas, high technology, patenting.

A number of tasks, such as increasing the innovative potential of Namangan region, establishing innovative enterprises based on the integration of education, science and practice, producing innovative products that substitute for import and export, and organizing innovative infrastructures, are being implemented.

Today, the value in the region is 47.6 billion soums (including 37.8 billion soums from the agency's account, 9.9 billion soums from the initiator) 17 scientific, 10 startup and 18 commercialization projects are being implemented. As a result of the implementation of the projects, 513 new jobs were created, and 47 types of innovative products and services production technologies are being mastered (Table1).

Table 1. Information about innovative projects to be implemented in Namangan region in 2022-2026

No	An innovative project	Project the number	General value	From this				The work place
				Ministry at the expense of	OTM funds	Local budget at the expense of	Tab blind at the expense of	
		79	80 858.9	22,025.2	40,839.3	1 300.0	16,694.4	313
1 .	Province commercialization and startup projects	20	35 250.9	19,775.0		1 300.0	14 175.9	313
2 .	HEI projects	38	26,723.4		26,723.4			
3 .	OTM " driver " projects	13	14 115.9		14 115.9			
4 .	OTM "spin-off" projects	6	2 210.0				2 210.0	
5 .	Regional " spin-off " projects	2	2 558.7	2 250.2			308.5	

In particular, 25 innovative (17 commercialization, 3 startups, 3 practical, 2 innovative) projects were financed by the agency. As a result, 356 new jobs were created and production technologies of 31 types of innovative products were mastered (Table 2).

Table 2.

Information about innovative projects implemented in Chust district of Namangan region

Project type	of the project the number	of the project common amount	Ministry funds	Own funds	The work seats
	25	28,092.8	18 440.2	9 652.5	356
Commercialization	17	21,986.5	13,080.9	8 905.7	102
Startup	3	2 524.2	1 777.4	746.9	33
Innovative	2	1 150.0	1 150.0		204
Practical	3	2 432.0	2 432.0		17

270 young people and 45 women from 300 families were involved in the implementation of these projects and provided with work. As a result of the implementation of the projects:

- Comprehensive "chisel-cultivator", "planter for planting small-seeded vegetable crops", "potato digger" and "industrial model of micro-hydroelectric power plant without hydroponic" by scientists of Namangan Engineering and Construction Institute;
- The scientists of the Namangan Institute of Engineering and Technology created the technology of growing and processing medicinal plants "goji" (window) and "kavar" and launched the activity of the innovative mobile laboratory "Soil Clinic".

<https://conferencea.org>

As a result of the establishment of the "Soil Clinic" mobile laboratory, approximately 1,800 hectares of farm land in Chust and Uchkurgan districts were tested and services worth 60 million soums were provided.

The micro-hydroelectric plant has been installed in Khisorak MFY in Chust district and is used by residents as a neighborhood lighting system. This device produces electricity from 2 kV to 10 kV, depending on the volume of water.

Today, the following main problems that need to be solved in the field of innovative development in Namangan region remain:

First of all, thousands of people enter the labor market every year in our region . Also, coverage with higher education has increased from 9 percent to 38 percent compared to 2016, and this indicator will reach 50 percent in the near future. This requires the development of effective mechanisms for providing high-tech jobs to university graduates;

secondly, comprehensive assistance to increase the employment and income of the population, by increasing the types of production organizations and services with the help of innovations in ensuring the employment of the unemployed, especially young people and women, graduates entering the labor market for the first time creation of new jobs, further stimulation of the activities of business entities and creation of capital with the support of various tools of network organizations and clusters, venture organizations and relevant financial markets, that is, cheap and universal production ("one-to-thousand" converting) there is a great need to move to a supply system;

thirdly, to improve and increase the volume of funding mechanisms for research and innovation projects in public-private partnerships, to attract funds from international financial organizations and funds, and to provide the necessary skills for entrepreneurship to small and innovative entrepreneurship through technology parks, innovation centers and youth technology parks 'requires support;

fourthly, regional programs of innovative development have not been developed taking into account the economic specialization, scientific and technical potential and existing resources of the regions, and it is required to emphasize and prioritize innovative technologies in the introduction of solutions aimed at ensuring the continuous renewal of the technical and technological base of production ;

fifthly, optimal support mechanisms have not been developed by accepting successful start-up projects as members of innovative technology parks and free economic zones at the stages of serial production, strengthening the interest of the private sector in new scientific developments and "co-financing" of innovations (co -finance) special support measures have not been introduced to encourage interest;

<https://conferencea.org>

Sixth, in order to create cyclic relations of "fundamentally innovative" - "sustainable" - "effective" innovations (ie, innovations) in the province, the capital operation of the innovation itself - "network-territory-scientific/higher education organization" cycle . There is no integrated integrated system, and its main processes remain in a very fragmented form.

In order to overcome these problems, it is recommended to give priority to the following sectors:

creation of innovative technologies for the production, storage and use of "green" hydrogen, an alternative and ecologically clean source of energy in the field of renewable energy development;

new composite materials work to issue innovative technologies wide current to do;

robotics field to develop students wide attraction to do;

biotechnological products Create according to scientific research their work expand and biotechnological developments economy networks current to reach organize reach;

global climate o' changes conditions water-saving , soil productivity increasing and high fruitful plant types and an animal breeds Create through food safety to provide directed innovative technologies create;

industry and clustering (eg and winemaking) and urban planning concepts work exit and current to do;

artificial intellect , objects internet and digitization technologies current to do;

This in the direction the following measures done is increased:

foreign of states progress _ experience in consideration received without " cluster " and " cluster " in our country policy" of the only one concept and legal the basics work output ;

innovative and high technology products the market expansion , startup and small innovative organizations mutually interested in " pinocytosis " (incl take appropriation) mechanism based on innovative clusters or big organizations organize to achieve , existing ones modernization to do

innovative clusters or startups through " pinocytosis" . big organizations organize in doing participants the right and properties sale , licensing and in partnership ownership to be done the basics Create and in order put;

innovations work producers and consumers between cooperation reinforcement , small and medium of organizations science and education with integration to do and them support;

market requirements flexible national infrastructure development through international quality certificates have was cluster and big innovative organizations share increase;

new competitive and high technology of products discounted and popular big voluminous work release organize attainment, localization and efficient innovations through capital create;

clusters and big innovative organizations by regularly respectively own _ needs and problems to the solution focused « fundamentally innovative » to innovations investment input skill formation , in this scientific and practical and methodical seminar trainings organize reach and their management activity quality increase;

international experts industry clusters to develop wide attraction, international seminar and forums organize reach;

in the country rationalization with engage in for wide conditions Create and his regulatory and legal the basics create;

innovative ideas prototyping and small series primary work release organize to do for young people innovative technoparks organize reach them _ business incubation and another consulting services to show own into received collective use centers and regional " FabLab " experimental design grounds networks and prototyping workshops with provide;

in the market current to do for promising innovative to projects , startups to initiatives acceleration , logistics and financing services to show own into receiver innovations current to do and technologies transfer centers activities wide to the road to put;

scientific research institutes , universities and work release between _ near cooperation installation , intellectual property sell for license contracts in preparation advice help of technology consumers the market search for Technologies licensing centers organize reach; innovative organizations development and scientific and innovative work release continuously the chain create ;

startup initiatives and projects of financing modern mechanisms (venture, crowdfunding as) formation , competition environment based on simplified financing events expand (future scientis , hackathon contests, technoveis marathons like);

territorial innovation centers and technological parks qualified personnel with provide and innovation centers for the only one management system to the road to put.

LIST OF USED LITERATURE

1. Information from the Institute of Forecasting and Macroeconomic Research.
2. Ok boev AR Possibilities of using portfolio strategies of sewing and knitting industry enterprises // Economics and innovative technologies. – 2021. - #1. – B.229-239 (08.00.00; #10).
3. Ok boev AR Development of sewing and knitting industry in Uzbekistan and formation of local brands // Use of modern marketing concepts in the conditions of innovative economy. Republican online scientific and practical conference. November 11, 2020. - Tashkent, 2020. - B.685-689.
4. Ok boev AR Methodology of development of branding strategy of sewing and knitting

- enterprises // Actual problems of innovative technologies of cotton ginning, textile, light industry, printing production in the context of science, education, production integration and their solutions. Collection of republican scientific-practical online theses. September 24, 2020. - Tashkent, 2020. - B.73-80.
5. Okboev AR Social Network Marketing and Its Development // International Journal of Research in Management & Business Studies (IJRMBS 2020). Vol. 7 Issue 3 July - Sept. 2020. Impact Factor: SJIF#23 2016= 7.05. ISSN: 2348-6503 (Online) ISSN: 2348-893X (Print) pp. 38-42.
 6. Okboev AR, OJ Ashurkulov Directions for the introduction of an integrated quality management system to increase the competitiveness of light industry enterprises // South Asian Journal of Marketing & Management Research (SAJMMR). Vol.10, Issue 11, November 2020 Impact Factor: SJIF#23 2020= 7.11. pp. 107-10.
 7. AR Akboev, MI Rakhimova, MA Kakharamonov. Development of a National Rating System to Evaluate the Brand Attraction of Sewing and Knitting Enterprises. International Journal of Multicultural and Multireligious Understanding. Vol.8, Issue 10. October 2021, pages 335-340. DOI: <http://dx.doi.org/10.18415/ijmmu.v8i10.3142>.