

CREATION OF THE SERVICE CONTENT OF THE PEDAGOGICAL EDUCATION CLUSTER

(on the example of the city of Chirchik)

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Abstract

The regional educational cluster introduced in the Tashkent region is a single mobile technological cooperation of educational types as the most convenient means of accepting optimal solutions quickly and easily, affecting the cohesion between educational subjects, ensuring social order. information field - showed the need to create an open educational content (services platform) of the pedagogical education cluster, the problems, goals and tasks and importance of this issue are justified in this article.

Keywords: educational cluster, coherence, systematicity, consistency, rapid communication, mobility, social order, innovation, integration, pedagogical staff, mechanism, career orientation, diagnosis, methodology, electronic pedagogy, mixed education, employment, economic development.

Introduction

In order to further improve the continuous education system and increase the quality of education, "increase the content and quality of education, introduce innovative clusters of pedagogical education that are effective in training highly educated pedagogues with competitive, high knowledge and skills. " [1] mechanisms are being further improved. Ensuring integrated quality in pre-school, general secondary, professional and higher education systems requires the introduction of educational clusters aimed at this in many ways. In this process, continuous, consistent and systematic preparation of students for life is organized. In a number of developed countries, services to consumers have been organized by organizing mutual cooperation of cluster subjects into one system in various areas of education. From 2018-2019, Pedagogical education cluster was introduced in Chirchik State Pedagogical University in Tashkent region as an example. To date, the scientific theoretical foundations of the Pedagogical Education Cluster have been developed, the purpose of the subjects and their tasks have been defined, and school laboratories have been organized in order to implement the mechanisms of activity. However, this Pedagogical education cluster is limited to certain subjects in a certain area, the main reason for this can be considered to be the distribution of time and workload in educational institutions, process subjects, and the lack of coordination of a unified center. The solution to this problem, in turn, is implemented as a result of digitalization of pedagogical education cluster services, development of the platform.

Within the framework of the pedagogical education cluster, it is necessary to develop its scientific theoretical foundations, to determine the mechanisms of activity, to organize kindergarten-laboratories, school-laboratories for the organization of practical processes, to ensure social order within the framework of the common goal of inter-subjects, to the characteristics of talent the development of interdisciplinary, course and interdepartmental integration was studied as a scientific research, mainly the higher education institution Chirchik State Pedagogical University in the Tashkent region of the Republic of Uzbekistan as an innovative center in a specific area activity is

reflected. However, the creation of electronic content at various levels, the organization of educational services in a digital state, the lack of an electronic service in the form of rapid feedback of educational problems, and the implementation of the "Digital University" strategy in "Digital Uzbekistan" require this innovative project. Modern trends in the field of education and approaches to career guidance in the digital space are also highlighted in the Development Strategy of the Republic of Uzbekistan for 2022-2026, in which the issues of career guidance and further expansion of career services are discussed [2].

Literature analysis. Russian scientists E.I.Chuchkalova and O.M.Mosunov, who carried out significant scientific research on the importance of the cluster approach in the development of education and culture, defined the cluster as an open educational system, educational institutions, scientific organizations with horizontal and vertical connections with relevant laws and participants. defines it as a system that achieves a single goal based on its goals, that is, manifested through a synergistic effect [3]. A.V. Smirnov defines the concept of an educational cluster as a set of professional educational institutions united on the basis of certain principles and partnerships [4]. In the development of models of interaction between general secondary and higher education institutions in the educational cluster, taking into account the principles of openness and interaction, which are carried out in giving educational institutions the opportunity to choose their own development path it is desirable to obtain. Based on these scientific foundations, it can be concluded that each institution included in the cluster aims to achieve a positive educational result. The innovative center for the development of regional education serves to ensure the effectiveness of the educational institution included in it. An educational cluster is a more flexible structure that includes institutions and groups that are connected to each other to achieve a certain result and tasks around educational activities to solve accumulated problems.

Scientific-theoretical foundations of pedagogical education cluster in Uzbekistan, its continuity, coherence and consistency and other principles, its innovative model and mechanisms of its implementation G.I. Mukhamedov [5], Sh.Q. Mardonov [6] , U.N. Khodjamkulov [7], S.A. Toshtemirova [8], N.M. Koshanova [9] and others are covered to a certain extent. Today, a number of local researchers are conducting scientific research in this direction.

Results. Family-neighborhood-garden as the most convenient means of accepting the optimal options of problems quickly and easily, affecting the cohesion between educational subjects of the regional educational cluster introduced in the Tashkent region. showed the need to create open educational content (services platform) of a unified mobile information space - pedagogical education cluster of cha-school-lyceum-vocational schools-HEI-ITI-international cooperation. The main purpose of creating this content is to develop the scientific-theoretical foundations of the Pedagogical Education cluster, newly introduced into the education system in Uzbekistan, as well as the development of subjects at different levels in the education cluster system (preschool education, general secondary education, professional education, higher education, post-higher education, training and retraining institutions) and organizations indirectly related to education (local governments, self-governing bodies, public associations, non-governmental organizations etc.) to unite around a common goal, to develop multimedia products based on the possibilities of the educational cluster in the development of human capital, to improve the quality of education, to provide quick feedback aimed at eliminating

problems, to meet consumer requirements It consists in creating a service-providing scientific-educational portal, a platform of practical services.

Today, clusters are widely used in agriculture, textile, light industry and pharmaceutical industries in our country. In a short period of time, the cluster model has been recognized as a promising innovative direction in the economy, and experiments in its application in other areas are being carried out. In particular, the problem of clustering the education sector is one of the new directions in the scientific field today. The "raw material-processing-product-demand" sequence existing in the production sectors of the economy is in the form of human capital, initially the algorithm of subjects ("child - parent - pupil - teacher - student - specialist - researcher - competitive staff"), then the algorithm of objects (complex educational process - competence-based educational process - tutoring - moderation - facilitation - mentoring - diagnosis - career guidance - cognitive - entrepreneurship - research - the principles of coherence, systematicity and succession, such as implementation - scientific donation) are also present in the education system, and this shows that the clustering of education is theoretically justified, and its practical activity shows the need to organize services digitally. The social order of the educational cluster is a set of demands and offers in the context of society, which provides the opportunity for interaction based on vertical and horizontal feedback of education, science and production subjects, from this definition " It is understood that the concept of "social order" has the following signs:

social order is a process observed at the stages of education, science and production;

the relationship based on the reciprocal feedback of the subjects in the horizontal and vertical relationship in the status of supplier and consumer;

the phenomenon related to the formation of demand and supply based on the principle of mutual control of the educational cluster, etc. [8].

The main nucleus that coordinates the activities of subjects in the educational cluster is the higher education system, which conducts relevant work on strengthening the field with schools and other educational subjects on current issues of education, and synthesizing it with practice. , introduces the results of research on the theory and practice of educational activity into the educational process. In the cluster approach, the higher education system takes the most important place in preventing the fragmentation between types of education and the existing problems. Therefore, the application of the cluster approach to education creates an environment of mutual cooperation, competition, control and interest, which provides additional opportunities for the development of the field, which provides coherence, continuity and consistency in education, with innovative, effective and rapid communication. is a passing approach. In our opinion, the cluster model in relation to education is a means of forming support for innovations in the education-science-production system, a mechanism for strengthening the organizational forms of the union of sectors interested in achieving competitive efficiency.

Discussion. A number of problems in the education system will be solved as a result of digitalization of pedagogical education cluster services:

Firstly, the organization of integration processes between the education-science-production trinity is becoming more complicated, the need to develop programs and projects reflecting the common purpose of this trinity is resolved.

Secondly, economic growth in any field requires an innovative approach to education and science, especially international experiences, the latest scientific and technical achievements, to the educational system and its content. This problem, in turn, increases the responsibility of pedagogic personnel, but the lack of systematic activities in the training of future teachers, the fact that the content of science programs is not developed in accordance with the further activities of the consumer, the gap between theory and practice problems related to the still lagging integration will be solved.

Thirdly, in the career guidance system, attention is mainly paid to the fields of engineering, medicine, programming, economy, international designer, identifying and organizing varied classes through the introduction of innovative diagnostic methods from the lower stage of education for the profession of the future pedagogue. and provides transparency, speed and optimality in the organization of educational services in mutual cooperation in matters such as determining their trajectories in this direction, providing quick assistance in the development vectors and problems, and increasing mobility in relation to activities in society.

Fourthly, scientific and methodical services provide scientific and methodical services during the stages of research.

Fifth, one of the subjects of the educational cluster are parents, and this project provides effective suggestions and recommendations for them in the process of education and upbringing.

Sixth, failure to take into account the need for future pedagogic personnel in the system of employment of future pedagogic personnel and the need for pedagogic personnel in a certain region, lack of effective cooperation between general education schools and other types of education, types of education As a result of insufficiently developed integration processes between the regions, today there are deficiencies in the pre-school and general secondary education system of the region, and within the framework of the project, in cooperation with the departments of education and employment of the population, it is precisely this issue of personnel performing function [10].

The scientific community of Chirchik State Pedagogical University is engaged in pedagogical training in finding scientific and practical solutions to increase the effectiveness of public education and preschool educational institutions in the region, to establish rational cooperation and integration processes between types of education. lim chose the innovation cluster as the optimal path. The Pedagogical Education Cluster has defined a number of tasks that it has taken on in digitizing the organization of services.

The main goal of the Pedagogical Education Cluster today is to create an electronic platform designed to provide rapid and mobile communication of educational subjects and find solutions to educational problems through digitization of services, families in a certain area, preschool, general secondary and higher strengthening the integration between educational institutions, adopting a unified system approach to solving existing problems, creating an e-learning campus, researching digital pedagogical education as a whole system.

The main product of the innovative educational cluster online content is educational services. The cluster, first of all, should be focused not only on the implementation of educational services, but also on providing competitive education in changing market conditions. Providing competitive education requires constant innovation, modernity and balance between supply and demand. In this process, activity directed to educational services shows growth indicators.

Cluster online content (platform) is such a system that the integration of its constituent components ensures more efficient operation of each entity and does not cause exceptional disruptions. A cluster is not a mechanical uniting of a number of educational, scientific and production subjects into a certain association, but is a result of their close influence and interdependence [3]. Such an organization ensures the conversion of individual components and the entire cluster. Cluster work allows to create a new quality product.

A unique new approach to education, the cluster not only provides the conditions for lifelong learning, but also allows to restore the existing and promising links between the components that ensure the continuity of education. will give. In order to digitize the services of the pedagogical education cluster, it is necessary to help increase the effectiveness of education and training in the subjects of the educational cluster by establishing targeted online cooperation with institutions directly and indirectly engaged in the field of pedagogical education. It is also desirable to ensure effective succession in the field of pedagogy and to promote the best students to the profession of pedagogue, to launch diagnostic work in this regard, and to organize professional training services. Organization of systematic work on qualitatively meeting the needs of a certain region for pedagogic personnel, involving local authorities and employment organizations in online cooperation, providing information on the needs of pedagogic personnel, the need for pedagogic personnel offering high-quality personnel to educational institutions, studying consumer demand for determining their potential, employability, and organizing a service for training specialists for it will quantify the process of digitalization of educational cluster services and guarantee the expected result [8] . It will be easier to carry out scientific research on problems in the field of pedagogical education, and to implement scientifically based innovative projects. In order to shorten the period of acquisition of professional skills of young specialists, an environment of training will be created for educational specialists on the basis of practices with innovative experience.

The creation of electronic pedagogy in pedagogical education will accelerate as a result of didactic support consisting of a set of new-generation educational, teaching-methodical, scientific literature, tools and materials delivered to subjects on the service platform of the pedagogical education cluster. Based on the existing problems in the educational system, student characteristics, subject and object characteristics and descriptions, development of modification methods, classification and application in various forms, audio, video, multimedia, QR-coded and tablet style. improving the quality of education through the delivery service to consumers.

Providing information on the indicators and prospects of existing professions in our country, providing students with various forms of diagnostic methods for choosing a profession, helping to determine the vector of development in terms of orientation to the diagnosed profession, who loves his profession, As a result of loyalty and dedication to the teacher's profession, a career guidance system is developed by conducting interviews, online interviews, and presenting infographics with representatives of the field who have achieved high results [11].

Creating the content of pedagogical education cluster services has its own scientific, technological, socio-economic and financial significance. Below we explain its importance in various fields.

Scientific: The importance of the pedagogical education cluster in the development of human capital and the improvement of the quality of education is urgent, and its scientific importance is to strengthen the integration between family, pre-school, general secondary and higher education

institutions in a certain region, and to eliminate existing problems. A single system approach to education consists in researching pedagogical education as a whole system. This, in turn, determines the improvement of the scientific methodological apparatus of this direction, the development of scientific research competence, and the creation of a resulting scientific field in the content of open education. A new electronic generation of educational literature, methodological and didactic products, educational and educational tools will be formed, electronic pedagogy of the pedagogical education cluster will be created.

Technological: organization of systematic work on qualitatively meeting the region's needs for pedagogic personnel, shortening the period of acquisition of professional skills by young specialists, creating an environment for training future education specialists on the basis of practices with innovative experience, education problems in the lim system will be quickly identified and suggestions, recommendations, methods and technologies will be provided in the form of electronic feedback on their solutions. Services are provided based on requests for problems and requirements in educational institutions. Also, students will have the opportunity to quickly and easily get acquainted with information about the existing higher education institutions, academic lyceums, vocational schools, and technical institutes in the country. By placing modern and traditional methods of career guidance diagnostics on the platform, students' interests, abilities and inclinations are determined from an early age, plans and projects for additional careers are presented to them, and online courses are organized. The motivation for the profession is increased through videos showing the professional experiences of students and veterans who have achieved success with their abilities. Electronic products for raising children are provided to families, including young mothers.

Social: The unique social advantage of creating the content of pedagogical education cluster services is formed in the digitized state of social-psychological and pedagogical service among subjects. In the electronic system, all subjects of education are united, mutual communication is established, and business plans are presented for subjects in need of social protection. Methodical methods for working with students with disabilities are presented in video, audio, multimedia and other video-based developments. In addition, parents will be allocated a separate component on working with their child, they will also have the opportunity to receive information on child upbringing, with pedagogical and psychological instructions and recommendations on the process of working with a child. is mounted. The need for qualified pedagogic personnel in educational institutions is ensured by ensuring the employment of the population in the region and in cooperation with the departments of public education. Innovative projects will be presented to help pedagogues achieve successful work in educational institutions. Through the online content of the cluster, an effective market of educational services will be formed, and the region's need for qualified pedagogues will be qualitatively met.

Economic: The economic importance of creating a pedagogical education cluster service platform is based on the result of this online content, the systematic organization of educational and educational processes, increased motivation for professions identified through diagnosis services, the development of creative and research, the effectiveness of organized services and regional determined by the creation of a campus through a single educational platform. Video lessons, tablet and electronic products created within the project will be posted on YouTube, commercialization will be done by increasing the number of views. In addition, a one-year subscription is organized in accordance with the economic capabilities of the educational institution, so that all consumers,

leaders, teachers and students can use the services for schools on an educational scale, and receive methodological support for the problems they face in their activities. . After the project has justified itself in its initial activity, it will provide an opportunity to create a single educational cluster platform that organizes a mutual feedback service throughout the Republic. The activities and results of the educational cluster are substantiated through rapid and feedback mobility. Cascade-courses on development of human capital, improvement of independent activity, determination of the vector of development for the selected activity, provide an opportunity to develop SMART projects.

In conclusion, it can be said that as a result of the creation of the service platform of the pedagogical education cluster, the service platform of the educational campus in the region will be created. Problems in the field of education in the Tashkent region will be eliminated based on the platform created taking into account the need for pedagogic personnel and the services provided on it. In the educational institutions of the Tashkent region, pedagogues-teachers and students can effectively use this platform and increase the quality of education, provide pedagogical personnel, achieve early adaptation of students to the profession, and the very low possibility of further expanding the activities of the educational cluster. shows that the proposed innovative project is superior.

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