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The Importance of the Innovative Cluster Method in the Professional Activity of Future Physical Education Teachers on the Example of Volleyball

Yaqubov Arslon Maxmudovich

Urganch State Pedagogical Institute Associate teacher of the Department of
Physical Culture

arslonmaxmudovich@gmail.com

Annotation. This article discusses the application of the cluster method based on an innovative approach in the professional activity of future physical education teachers. In addition, information is provided on improving the technical skills of volleyball players and effectively organizing the educational and training process through this method.

Keywords: cluster, physical education and sport, volleyball, young volleyball players, training process, technique, skill, innovation, method.

Introduction. One of the main goals of reforming the education system of the Republic of Uzbekistan is to train pedagogical personnel in accordance with modern requirements and to educate comprehensively developed, well-rounded individuals. In this regard, a number of tasks aimed at improving the quality of education were defined in the Resolution of the President of the Republic of Uzbekistan dated November 3, 2022, No. PQ-414 “On Measures to Further Improve the System of Training Personnel and Conducting Scientific Research in the Field of Physical Education and Sports,” the Presidential Decree No. PF-60 dated January 28, 2022 “On the Development Strategy of New Uzbekistan for 2022–2026,” as well as the Resolution of the Cabinet of Ministers of the Republic of Uzbekistan dated July 4, 2022, No. 355 “On Measures to Further Improve the System of Retraining and Advanced Training of Specialists in the Field of Physical Education and Sports.”

What should a modern teacher be like? Since the first days of independence, many pedagogues and psychologists have expressed their views and opinions on this issue. In order to further improve the professional skills of teachers based on our national traditions, customs, and values, and to enhance their pedagogical activities in line with modern requirements, methodological manuals and recommendations have been developed. Even today, scientific research and studies on this problem continue.

As a result of the rapid development of science and technology, the ultimate goal of innovations being introduced in all spheres is to increase the economic and social potential of the country. Adopting ready-made models and using them creatively yields more effective results. Proceeding from this, significant attention is currently being paid to the application of innovative practices that have been tested in international experience and play an important role in the development of the production sectors of the national economy. One such innovation is the “**cluster model**,” which is currently widely used in our country, especially in the agricultural, agro-industrial, textile, and light industry sectors. Within a short period, the cluster model has been recognized as a promising innovative direction

in the economy, and experiences of applying this model in other fields are being implemented.

Methodology The study and analysis of research on the cluster approach to education made it possible to systematize a number of views in this area. Thus, the cluster approach is understood as:

- a mechanism for strengthening organizational forms of integration among sectors (education, economy, etc.) that are interested in achieving competitive efficiency;
- a structure consisting of several equal and autonomous components that retain full functional effectiveness as independent elements;
- a means of forming support for the implementation of innovations within the education–science–production system;
- an innovative and effective method of organizing the development of human resource potential for the future economy of an organization.

The study of the theoretical foundations for the formation and development of educational clusters by Russian scholars has been conducted in the following directions:

a) the cluster approach to vocational education (B. Pugacheva, A. V. Leontiev).

It should be noted that the sphere of physical education and sports is also being developed within the framework of a number of conceptual documents initiated by the leadership of our country, including the Action Strategy for the Five Priority Areas of Development of the Republic of Uzbekistan, the President's Five Important Initiatives implemented in the social and spiritual-educational spheres, the Resolution No. PQ-3031 dated June 3, 2017 "On Measures to Further Develop Physical Education and Mass Sports," the Presidential Decree No. PF-5368 dated March 5, 2018 "On Measures to Radically Improve the System of Public Administration in the Field of Physical Education and Sports," as well as other relevant policy documents.

It is well known that in sports games, including volleyball, all technical and tactical actions must be performed at high speed under sudden and constantly changing situations. Therefore, during the organization of volleyball training sessions and the process of teaching technical and tactical actions, it is advisable to systematically develop speed abilities through exercises with sharply changing directions. The training of young athletes and the improvement of their skills largely depend on how sports training sessions are organized and conducted. When organizing sports training, it is necessary to study the individual characteristics of athletes and to assess their level of technical and tactical preparedness. At the same time, in developing speed abilities among young volleyball players, it is appropriate to make wider use of innovative content-based movement games and specialized pedagogical technologies. The full implementation of the above-mentioned ideas requires coaches to possess the necessary knowledge and professional skills. In order to ensure regular participation of the younger generation in physical education and mass sports, conditions that meet modern

requirements have been created. Through sports competitions, extensive efforts have been made to strengthen young people's confidence in their willpower, strength, and capabilities, to foster courage, patriotism, and devotion to the Motherland, as well as to systematically organize the identification of talented athletes and their targeted training.

The technology for effective training of volleyball players involves conducting comprehensive research on planning and managing the educational and training process, assessing the level of physical as well as technical and tactical preparedness, shaping sports performance outcomes, organizing pre-competition preparation, and monitoring competitive activities. Below, a cluster model for the sport of volleyball has been developed. In this model, the use of volleyball-related terminology is aimed at increasing players' cognitive engagement and interest.

CLUSTER METHOD

VOLLEYBALL

- **blocking**
- **movement**
- **technique**
- **attack hit**
- **court**
- **ball**
- **defense**

In conclusion, any expected innovation and scientific-technological progress in the field of physical education and sports, the competence of graduating specialists, educational fields, and newly planned academic disciplines in various specialties are closely connected with the content of integrated (diagnostic) monitoring and corrective activities. Any development created within an innovative framework serves as an action program for scientific-methodological support, management, physical education teachers, and sports coaches.

Today, under the conditions of our republic, it has become a vital necessity to create a new mechanism in the higher education system that ensures mutual control, competition, and the satisfaction of interests among different types of education. Considering the high social significance of higher education in ensuring the sustainable development of society, modern requirements, existing systemic problems, and the fragmentation between education, science, and production sectors necessitate the transition of continuous pedagogical education to a cluster-based development model.

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