

Research on Information-led Military Vocational Education Concept

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Abstract: In view of the demand of "Trinity" talent training system for military vocational education, how to conduct military vocational education and realize the effective connection between college education and military training is a realistic problem faced by military talent training. This paper puts forward that military vocational education in the new period must adhere to the information network as the leading factor and integrate modern information technology with military education, and gives some thoughts and suggestions on military vocational education based on MOOC mode, so that the informatization of military education can gradually change from tool to value.

1. Introduction

Trinity talent training system refers to a new military talent training system which combines military college education, military training practice and military vocational education. The proposal of "Trinity" personnel training system puts military vocational education in the same position as college education and military training practice. Military vocational education is a learning activity that focuses on improving the professional quality, professional ability and innovative accomplishment of military talents. It has the characteristics of total involvement, openness and career accompanying [1], and it is an overall strategic long-term work that contributes to the present and benefits the future [2].

How to conduct military vocational education and realize the effective connection between college education and military training is a practical problem faced by military personnel training. Through the integration, reorganization and comprehensive utilization of traditional military education resources, modern information and network technology are used to construct large-scale military vocational education, so as to achieve efficient allocation of military vocational education resources and greatly improve the quantity and quality of military personnel training. Therefore, the military vocational education led by information network is imperative.

2. Connotation and Characteristics of Military Vocational Education

Military vocational education is a planned activity characterized by total involvement, open learning and lifelong learning, which focuses on improving the professional characteristics, professional quality and innovative quality of military talents. It is the expansion and supplement of college education and military training, and an important way to realize quality education in the military field [3]. It can be seen that military vocational education is a new era connotation given by the goal of strengthening the military in the new situation to build a contingent of high-quality military talents, and it is an innovation of military education that adapts to the profound changes in the military power system and cultivates the combat capability. The learning activities that focus on improving the professional quality, professional ability and innovative quality of military talents are characterized by total involvement, openness and career accompanying [4].

Nowadays, the military developed countries in the world generally believe that military education is mainly composed of military higher education and military vocational education, and military vocational education is the core and key of military education [5]. An effective connection mechanism between college education and military training has been established, which can better implement the

precise connection between college education and military combat training [6].

Military vocational education has the following four characteristics [7]:

First, the focus of education orientation. It adheres to the military, the battlefield and the future and adheres to the transformation from military building to informationization and the preparation for military struggle, and the improvement of post adaptability of officers and soldiers is always taken as the starting point and the foothold. Second, the total involvement of educational objects. It faces the broad masses of officers and soldiers, focuses on the contingent of cadres, takes the contingent of soldiers as the main body, and takes into account the contingent of civilian personnel, which can meet the development needs of all levels and types of personnel. Third, the applicability of educational content. It sets educational goals for the future, sets training standards for the battlefield, and sets learning courses for the troops. Taking the study of new theories, new equipment, new technologies, and new knowledge as the main line, it promotes the quality improvement of officers and soldiers to keep up with the needs of missions and tasks. Fourth, the flexibility of educational methods. Self-regulated learning, distance learning and personalized learning are the main methods. The content, time and method of learning should be arranged scientifically, and the advantages of network group learning and training in distance education should be brought into play, so that the relationship between work and study can be straightened out and the actual effect can be improved.

3. The Leading Idea of Military Vocational Education in the New Period

With the rapid development of science and technology and the emergence of knowledge economy, how can we win the future war by relying on the past technology? It has become a consensus to strengthen military vocational education, speed up the updating of officers and soldiers' knowledge and skills, further expand the knowledge structure, and improve the innovation ability and the overall quality of the contingent. With the surging tide of the new military revolution in the world, the rapid development of military science and technology and weapons and equipment has brought profound changes to the combat ideology, theory and style, and the competition of military forces has become more prominent as the contest of high-quality talents [8].

Education modernization cannot be realized if education cannot be informationized. With the increasing integration of modern information technology such as network technology, multimedia technology, cloud service, Internet of Things and military education, the informatization of military education has gradually changed from tool meaning to value meaning. Especially, the quantum anomalous Hall effect observed in China not long ago will have a profound impact on the development of information technology, and will certainly accelerate the revolutionary evolution of the concept and mode of military vocational education. Open school running, independent learning, intelligent management, personalized service and quantum teaching will become the basic trends of military education innovation. Under the background of the leap-forward development of information technology in the world today, the innovative development of military vocational education is also in urgent need of the support and promotion of information technology. Only by effectively applying the new information technology, building a public service platform for lifelong learning, improving the conditions of distance and open digital learning, and providing a solid guarantee for officers and soldiers to conduct on-the-job learning in the military career, can soldiers build up the concept of lifelong learning, develop the habit of autonomous learning, and improve their ability to perform their duties and responsibilities, and can they effectively solve the practical problems including lack of on-the-job learning motivation, single troop organization methods, boring teaching contents and poor learning environment [9].

Therefore, the military vocational education in the new period is dominated by information network.

4. Construction of Military Vocational Education Led by Information Network.

Military vocational education must establish the concept of open education, change the traditional closed state of military academies, jump out of the small system of military academy education,

integrate into the big system and big circulation of national education, and participate in national economic and social development. On the basis of self-cultivation and training of vocational and technical talents, the advantages of local vocational education resources should be brought into play, and the way of joint military and local education should be implemented to expand the way of talent cultivation. Specifically, the general professional and technical talents in military and local areas can be trained and transferred by local colleges and universities; some courses in military vocational education can be taught by professors and experts from local colleges and universities, so as to improve the ability of training talents to adapt to the military and local areas on the basis of making full use of local research results.

Building a full-time vocational education platform with total involvement. Transforming the existing information network of the military, building an efficient, practical and safe information exchange channel system, and forming an all-round open learning and training pattern. Learning from the national education cloud construction model and integrating the high-quality education resources of colleges and troops to form a highly-sharing large-scale resource platform with efficient operation and high-quality service to provide personalized services for different levels and types of personnel.

5. Some Thoughts and Suggestions on Military Vocational Education Based on MOOC Model

Massive Open Online Courses (MOOC), is a new educational model that deeply combines information technology with modern educational concepts. With its rich learning resources, open and diverse learning modes, flexible and fast communication and interaction, it has got rid of the limitations of traditional learning in number of learners, region and time [10], and realized resource sharing and teaching communication among colleges and universities and between colleges and troops. It is able to gather learning resources to achieve centralized sharing to the maximum extent, and has become the top choice of military vocational education.

In recent years, MOOC, a trend led by famous schools and teachers all over the world, has brought unprecedented challenges and opportunities to learners, educators and even the whole field of education. The researches and practices of MOOC are being carried out at different levels. Military MOOC should follow the latest development situation in the field of international online education, launch their own MOOC platform and courses, and form MOOC alliances with multiple military academies [11].

5.1 Building a Teaching Content System of Military Vocational Education Based on MOOC Course

At present, military vocational education has made clear to establish a course system with compulsory courses as the main body and extended courses as the supplement. Among them, the required course requires distinguishing different services and arms and different types of objects, and constructing the teaching content according to the basic modules such as political theory, international knowledge, military foundation, information technology, professional knowledge and post skills. MOOC course follows the construction concept of student-centered learning, and its course content presentation mode is more conducive to the effective dissemination and autonomous learning of these teaching contents.

To avoid the redundant construction of teaching resources, taking the construction of teaching content system of military vocational education as the drive force and MOOC course construction as the starting point, the catalogue and specifications of military vocational education courses are formulated, and the MOOC course construction of military vocational education is carried out for military academies, research institutes and troops, so as to gather high-quality course resources and realize the sharing of MOOC course resources among the whole military.

5.2 Building a Distance Platform System of Military Vocational Education Based on MOOC Platform

According to the concept of military vocational education, the effective development of military vocational education needs to rely on the remote platform. MOOC platform, with its contracted but

not simple teaching form, is more suitable for officers and soldiers' distance online learning at the application level. Its functional orientation and design concept are more conducive to the gathering of high-quality resources, attracting the active participation of excellent teachers and officers and soldiers.

The form of publishing high-quality characteristic course resources through the platform by partner colleges can be adopted. The troops organize officers and soldiers to take various courses according to the talent training needs of their own units, put forward examination applications according to the needs, and organize online examinations relying on the platform. The institution in charge of courses is responsible for issuing course completion certificates. Practice has proved that the MOOC learning platform provides a good support for the realization of distance autonomous learning of officers and soldiers. Therefore, the MOOC learning platform can be used as a window to push the content of military vocational education and build the MOOC alliance of the whole military. Based on the existing data center, the construction of information network is strengthened, and a remote platform system covering the whole military is established to realize the co-construction and sharing of the platform by the whole military.

5.3 Building a Management System of Military Vocational Education Based on MOOC Teaching

How to ensure the quality and benefit of military vocational education based on MOOC model? In addition to establishing and perfecting the organization and management institutions and supporting policies of military vocational education, it is also necessary to formulate specific policies for relevant practices to realize the deep integration of MOOC and military vocational education. MOOC teaching, like other distance teaching, needs the participation of learners, instructors and administrators. Therefore, in terms of policy orientation, firstly, teachers in charge of courses should be supported in course development and teaching activities, and course standards and evaluation mechanisms should be established to ensure the quality of courses. At the same time, guarantee mechanisms for teaching activities should be established to ensure the teaching effect; second, for MOOC learners, it is necessary to provide learning places and conditions for them to complete the course study, build an examination center, accept MOOC course certificates, and recognize credits of students. In addition, it is also possible to establish micro-majors with MOOC courses as the basic unit according to the needs of different positions in the military; third, for administrators, mainly involving course providers and platform management and use units, it is necessary to define the division of responsibilities for MOOC teaching and jointly promote the development of military vocational education based on MOOC mode.

6. Conclusion

The innovative development of military vocational education must adhere to the information technology as the leading factor. MOOC has brought great changes in the field of education and has become an important form of flipped classroom. Scientific construction of MOOC-based military vocational education resources will surely promote the development of military vocational education, and provide great help for improving the quality and ability of military personnel.

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