

The Combat Education under the Background of Public Security School Wisdom Innovation Research

Chen Ma^{1, a}

¹China People's Police University, Langfang, Hebei, 065000, China

^amachen@cpperu.edu.cn

Abstract

With the rapid development of new generation information technologies such as big data, artificial intelligence, Internet of Things, cloud computing, mobile internet, virtual reality, VR technology, etc., its application in education and training of public security party schools is becoming more and more extensive. Based on the analysis of the connotation and characteristics of public security party school education, this paper discusses how to build a smart party school teaching platform, change the traditional management mode and training mode, and meet the requirements of the actual combat development of public security party school in the new era. How to innovate the training mode of the public security party school with the help of the most advanced information technology, how to continuously improve the work level and training effectiveness of the public security party school, and how to give full play to the role of the public security party school in cadre training, ideological guidance, theoretical construction, decision-making consultation and public security think tank are the difficult problems facing the public security party school workers in the new era.

Keywords

Public security education and training; Wisdom party school; Actual combat.

1. Introduction

In 2008, IBM Company of the United States first put forward the concept of smart education, and constructed the research and practice framework of smart education from the development and storage of learning resources, analysis and prediction of learning behavior, design, management and support of learning space and other dimensions. As early as 1990s, Qian Xuesen, a Chinese scholar, put forward "Dacheng Wisdom", emphasizing the use of modern science and technology to cultivate people's advanced wisdom, which aroused strong response from educational circles. In 2012, the Ministry of Education issued the Ten-year Development Plan of Education Informatization (2011-2020), which proposed "giving full play to the advantages of modern information technology and paying attention to the comprehensive and deep integration of information technology and education"; In 2018, the Ministry of Education issued the "Education Informatization 2.0 Action Plan", which proposed that "based on emerging technologies such as artificial intelligence, big data and Internet of Things, relying on various intelligent devices and networks, we should actively carry out innovative research and demonstration of smart education, and promote the mode change and ecological reconstruction of education supported by new technologies". Wisdom education, as an important strategy of education development in various countries, is developing rapidly.

Entering the new era, the CPC Central Committee attaches great importance to the work of the Party School, and requires the Party School to strengthen the reform, constantly promote the innovation of teaching and research, talent team, management services and other aspects, do more integration and assembly, do more independent innovation and comprehensive

innovation, comprehensively promote the reform and innovation of the education model, and open up a new situation of the work of the Party School in the new era. The Central Committee of the Communist Party of China issued the "National Cadre Education and Training Plan for 2018-2022", which proposed the integration development of cadre education and training and the Internet. By 2022, we will realize the co-construction, sharing and data interconnection of the network training platform for cadres at all levels. Actively explore effective ways of online training to adapt to the development trend of informatization, and implement online and offline training mode. Accelerate the construction of "smart campus" in cadre education and training institutions. The fifth plenary session of the 19th CPC Central Committee emphasized the importance of online education.

The public security party school is a school that trains leading cadres and theoretical cadres of the public security team under the leadership of the Party Committee of the Ministry of Public Security. As the main channel and front for training leading cadres of party members of the public security team in the new era, as an important think tank and decision-making advisory body of the public security organs, it is necessary to change the thinking mode, use information technology to serve the overall strategic situation of the public security party school and promote the construction and development of the public security party school. Improve the work level of public security party schools and give full play to the important role of smart party schools in serving teaching, training and management. Since the directly under the authority Party School of the Ministry of Public Security was listed in the People's Police University of China in April, 2012, it has held more than 100 training courses, such as advanced classes for department-level cadres and training classes for party activists, with more than 5,000 trainees. However, its training system and training mode mainly inherit the traditional education and training mode of planned homework and face-to-face mentoring. In the face of various groups with differences in working years, actual combat experience, theoretical basis, police category and education level, the teaching effect is not satisfactory. The implementation of wisdom education provides us with a rare opportunity. Taking the demand of public security talents in the new era as a guide, deepening the reform of the training mode of the public security party school, and striving to cultivate a large number of party members and cadres who meet the needs of the development of public security work in the new era have become the inevitable requirements of the public security party school.

2. Questions

2.1. Training Data Resources Lack Top-level Design

Although the public security party school has paid more and more attention to information construction in recent years, due to the lack of unified top-level design, multiple systems coexist among various departments, forming chimneys and information islands. The lack of interconnection and intercommunication between the data of various systems can not be shared for unified data query and application, resulting in the waste of manpower and financial resources.

2.2. Training Informatization Construction Pays More Attention to Hardware Than Application

Because of the lack of understanding of information construction in the early stage, it is thought that information construction is hardware construction. Although some hardware facilities have been built, the actual use effect is not good, and it fails to play its due role. The fundamental reason is that hardware is more important than application. The construction of informatization should be an extension of management thinking, which should ultimately be reflected in application, rather than simple stacking of hardware.

2.3. The Use Efficiency of Training Data Resources Is Not High

At present, the overall efficiency of data resources used by the public security party school is not high. How to turn the existing teaching, scientific research and consulting achievements into basic data resources by means of information technology and provide strong data support for the training and teaching of the public security party school is an urgent problem to be solved at present.

2.4. The Training Mode Is Relatively Simple

At present, the teaching mode of the Public Security Party School is mainly traditional classroom teaching and visiting teaching, and the teaching methods are mostly dictated by teachers, which are single and lack of attraction to students, especially for young students' learning initiative. There is an urgent need for new technologies such as VR, multimedia and Internet of Things to realize interactive teaching modes such as immersion, case-based, situational and menu-based, so as to enhance students' initiative and participation in class.

2.5. Lack of Professional Talent Team Construction

Facing the new situation and new tasks, the informatization construction of the public security party school should avoid the problems existing in the previous construction, keep up with the development of the times, and build the public security intelligent party school in the new period through intelligent thinking. On the basis of data application, public security education comprehensively collects all kinds of relevant information of trainees, forms a database with theoretical knowledge, practical skills, training experience and other modules, and puts forward targeted training suggestions. Relying on the training database, students are taught according to their individual needs, and online learning content is selected to improve the pertinence and effectiveness of training. Through in-depth field research, we visited the Party Committee of the Ministry of Public Security, the Personnel Training Bureau, the Central Party School and other units, and invited relevant experts and scholars to organize a demonstration meeting for the project, which clarified the overall plan and objectives of the construction of the Public Security Wisdom Party School, and was approved by the Party Committee of the school as a major information construction project in 2021, with a total investment of 4.5 million yuan and planned to be completed in 2022.

3. Methods

3.1. Concept of Smart Party School

Wisdom education relies on a new generation of information technology to create an educational information ecosystem of things, intelligence and perception. Compared with the traditional education and training mode, wisdom education and training develops carriers and platforms such as online education, e-classroom, e-teaching materials and so on through information technology, and emphasizes situational, interesting, interactive and experiential teaching, so that the learners can change passive learning into active learning and maximize the teaching quality and efficiency. Compared with other types of education and training, the new training mode of public security party school has more prominent features in terms of professionalism of content and practicality of demand. The Smart Party School of Public Security is an intelligent integration of work, study and life based on the new generation of information technologies such as big data, cloud computing, intelligent perception, Internet of Things, mobile internet, virtual reality, VR technology, etc. It is a more advanced form of digital party school. Through deep integration with the education and training work of the public security party school, the intelligent service and management transformation and upgrading of the public security party school can be realized. It is a smart platform construction project with many large modules, including cloud data center, teaching informatization, curriculum teacher

informatization, management informatization and guarantee informatization. Through the construction of wisdom platform, we can provide integrated and all-round wisdom services for trainees, and promote the transformation of public security party school from traditional management functions to modern service functions. On the basis of the platform of the Public Security Wisdom Party School, we can realize efficient management, intelligent teaching and enhance the sense of well-being in training.

3.2. Principles of Building Smart Party School

Demand-oriented and enhanced services are closely combined with the needs of the reform, development and management modernization of training and teaching, so as to create an information network platform and technology platform, provide sufficient resources, convenient, fast, safe and reliable educational information and communication channels for training, and provide intelligent services for teaching and training, student management and logistics management. Overall planning and step-by-step implementation Starting from the overall benefits of the development of the public security party school and the needs of educational modernization, overall planning, combining far and near, step-by-step implementation and coordinated development will form overall benefits and advantages, prevent low-level redundant construction and avoid waste of resources, and insist on developing hardware and software simultaneously, and scientific management and technical training simultaneously. Scientific construction, pragmatic and moderately advanced, guiding and promoting the application of information technology in training and teaching. In the application process, according to the needs of reform and development, we will constantly promote the construction of infrastructure, data and information resources, and ensure the advanced nature, practicability, reliability, security, maintainability and expandability of the training platform. Unify standards and ensure safety. It is necessary to strictly follow the unified standards and norms of the state and the Ministry of Public Security, and establish and improve the organization, system, security and other security systems that are suitable for the informatization construction of public security party schools.

3.3. Overall Framework

The overall structure of the Public Security Party School is mainly composed of "four horizontal and two vertical". "Four horizontals" are the portal layer, application layer, platform service layer and infrastructure layer, while "two verticals" are the laws, regulations, standards, specifications and safety system, technical support and services, and operation and maintenance management system. The educational administration management system mainly realizes the research of teaching needs, the formulation and implementation of teaching plans, the arrangement of courses, the management of teaching tasks, the management of teaching materials, and the teaching evaluation. It includes the modules of demand research, teaching plans, teaching materials management, online lectures, teaching evaluation, cloud lesson preparation, collective lesson preparation, resource sharing, and intelligent teaching and research assistance. In view of the characteristics of short-term concentrated learning and wide distribution of trainees in the training courses of the Public Security Party School, we should focus on building modules such as demand investigation, teaching evaluation, resource sharing, teaching and research intelligent assistance, etc. Especially, the use of big data analysis technology can analyze students' interest preferences and learning needs, realize accurate teaching and improve the scientificity and pertinence of teaching management in Party schools. It can analyze students' learning habits and learning rules, provide important reference for the optimization of teaching mode and improve the effectiveness of party school teaching. Teaching management system realizes unified management of teaching, and should focus on building distance education, multimedia classrooms, digital libraries, VR smart party school modules, etc. Provide convenient mobile information services for faculty and students through mobile

APP. Provide different versions of apps for Android and IOS, and support scanning and downloading of QR codes, including WeChat WeChat official account, micro-course system, cloud on demand and other functions, as well as collecting and playing learning materials, so as to realize convenient office work on the PC side on the mobile phone side. The short message platform is connected with the operator interface, which completes the development and realizes the docking function according to the interface requirements. Each business subsystem can call the platform to push relevant information by short message in real time. At present, the curriculum system of the special training docking of the public security party school is not perfect, and the training content and group training mode are not closely connected with the actual needs of the public security team in the new period. Basically, the training work is still "planned work", "door-to-door", "whatever dish I serve, you will eat". As the object of training work, trainees do not have much right to speak and initiative. At present, the smart education and training modes based on VR/AR and other technologies, such as modern education and training, online training and so on, are changing with each passing day. Social platforms such as new media and self-media are developing rapidly, but few of them are actually applied, and most of them are used to the traditional face-to-face mentoring training methods. According to the characteristics of public security cadres' knowledge structure, there are few education and training activities, insufficient innovation of training mode, insufficient attraction, and few in-depth and flexible discussions and discussions. Distance education system realizes the training of public security party members. Please come in and go out. Please come in and introduce well-known experts and professors to teach distance education through distance education, and answer questions online, so that students can feel the elegance of experts locally and improve the training quality; Going out means training grass-roots public security police party members through distance education, overcoming the problem that grass-roots party members are widely distributed and difficult to concentrate, and ensuring that every party member has the opportunity of training and promotion. At the same time, the party members who have completed their studies can also be re-educated through the distance education system. Through online and offline mixed teaching and training mode, online assessment is used to supervise students' learning situation, and multi-effect measures are taken to ensure the quality of teaching and training, so as to thoroughly solve the practical problems that the majority of police officers have outstanding work-study contradiction. The development and utilization of digital resources is the core content of the construction of smart party schools. In order to make the information of party schools better serve for teaching, scientific research and management, we must attach importance to the construction of digital resources. Typical applications include digital libraries, characteristic databases, virtual museums and so on. In recent years, the directly under the authority Party School of the Ministry of Public Security has established more than 30 practical teaching bases of public security party schools in various provinces and cities across the country, such as Jing gang shan, Zun yi, Rui jin, Jiaxing, Yan an, Xi bai po, etc., and has carried out various practical teaching activities. The VR Smart Party School under construction is mainly aimed at meeting the needs of learning in different places under the normalization of epidemic situation, and can make use of the Internet and VR technology, so that students can personally visit revolutionary historical figures, revolutionary historical maps and revolutionary historical relics in the local area. The comprehensive management system is aimed at the comprehensive management needs of the party school, including OA, financial management, student management, etc. Among them, OA formulates business processes according to the needs of the Party School, meets the all-round office needs of the Party School, such as public information, personal office, document management, mail delivery, administrative management, etc., strengthens the collaborative work among various departments and faculty members of the school, and improves the overall work efficiency of educational administration and school affairs; Functionally, the financial system is divided into

charge management, salary management, reimbursement management, comprehensive inquiry and other modules, which can collect, process and output the information of student charge and training expenditure write-off. The system includes modules such as party management, party building dynamics and party building learning. The personnel management system includes the management system of cadres, workers and trainees. The comprehensive management system for teaching staff mainly realizes the functions of basic information management, attendance management and assessment management for teachers and cadres and workers. The comprehensive student management system realizes the basic information, enrollment, attendance, comprehensive growth, graduation and follow-up management of all kinds of trainees at all levels. Logistics management system mainly includes meeting management, classroom management, accommodation management, water and electricity management, vehicle management, consumables management, etc.

4. Results

The overall structure of the Public Security Party School is mainly composed of "four horizontal and two vertical". "Four horizontals" are the portal layer, application layer, platform service layer and infrastructure layer, while "two verticals" are the laws, regulations, standards, specifications and safety system, technical support and services, and operation and maintenance management system.

The educational administration management system mainly realizes the research of teaching needs, the formulation and implementation of teaching plans, the arrangement of courses, the management of teaching tasks, the management of teaching materials, and the teaching evaluation. It includes the modules of demand research, teaching plans, teaching materials management, online lectures, teaching evaluation, cloud lesson preparation, collective lesson preparation, resource sharing, and intelligent teaching and research assistance. In view of the characteristics of short-term concentrated learning and wide distribution of trainees in the training courses of the Public Security Party School, we should focus on building modules such as demand investigation, teaching evaluation, resource sharing, teaching and research intelligent assistance, etc. Especially, the use of big data analysis technology can analyze students' interest preferences and learning needs, realize accurate teaching and improve the scientificity and pertinence of teaching management in Party schools. It can analyze students' learning habits and learning rules, provide important reference for the optimization of teaching mode and improve the effectiveness of party school teaching.

Teaching management system realizes unified management of teaching, and should focus on building distance education, multimedia classrooms, digital libraries, VR smart party school modules, etc. Provide convenient mobile information services for faculty and students through mobile APP. Provide different versions of apps for Android and IOS, and support scanning and downloading of QR codes, including WeChat WeChat official account, micro-course system, cloud on demand and other functions, as well as collecting and playing learning materials, so as to realize convenient office work on the PC side on the mobile phone side. The short message platform is connected with the operator interface, which completes the development and realizes the docking function according to the interface requirements. Each business subsystem can call the platform to push relevant information by short message in real time. At present, the curriculum system of the special training docking of the public security party school is not perfect, and the training content and group training mode are not closely connected with the actual needs of the public security team in the new period. Basically, the training work is still "planned work", "door-to-door", "whatever dish I serve, you will eat". As the object of training work, trainees do not have much right to speak and initiative. At present, the smart education and training modes based on VR/AR and other technologies, such as modern education and

training, online training and so on, are changing with each passing day. Social platforms such as new media and self-media are developing rapidly, but few of them are actually applied, and most of them are used to the traditional face-to-face mentoring training methods. According to the characteristics of public security cadres' knowledge structure, there are few education and training activities, insufficient innovation of training mode, insufficient attraction, and few in-depth and flexible discussions and discussions.

Distance education system realizes the training of public security party members. Please come in and go out. Please come in and introduce well-known experts and professors to teach distance education through distance education, and answer questions online, so that students can feel the elegance of experts locally and improve the training quality; Going out means training grass-roots public security police party members through distance education, overcoming the problem that grass-roots party members are widely distributed and difficult to concentrate, and ensuring that every party member has the opportunity of training and promotion. At the same time, the party members who have completed their studies can also be re-educated through the distance education system. Through online and offline mixed teaching and training mode, online assessment is used to supervise students' learning situation, and multi-effect measures are taken to ensure the quality of teaching and training, so as to thoroughly solve the practical problems that the majority of police officers have outstanding work-study contradiction. The development and utilization of digital resources is the core content of the construction of smart party schools. In order to make the informationization of party schools better serve for teaching, scientific research and management, we must attach importance to the construction of digital resources. Typical applications include digital libraries, characteristic databases, virtual museums and so on. In recent years, the directly under the authority Party School of the Ministry of Public Security has established more than 30 practical teaching bases of public security party schools in various provinces and cities across the country, such as Jing gang shan, Zun yi, Rui jin, Jiaxing, Yan 'an, Xi bai po, etc., and has carried out various practical teaching activities. The VR Smart Party School under construction is mainly aimed at meeting the needs of learning in different places under the normalization of epidemic situation, and can make use of the Internet and VR technology, so that students can personally visit revolutionary historical figures, revolutionary historical maps and revolutionary historical relics in the local area.

The comprehensive management system is aimed at the comprehensive management needs of the party school, including OA, financial management, student management, etc. Among them, OA formulates business processes according to the needs of the Party School, meets the all-round office needs of the Party School, such as public information, personal office, document management, mail delivery, administrative management, etc., strengthens the collaborative work among various departments and faculty members of the school, and improves the overall work efficiency of educational administration and school affairs; Functionally, the financial system is divided into charge management, salary management, reimbursement management, comprehensive inquiry and other modules, which can collect, process and output the information of student charge and training expenditure write-off. The system includes modules such as party management, party building dynamics and party building learning.

The personnel management system includes the management system of cadres, workers and trainees. The comprehensive management system for teaching staff mainly realizes the functions of basic information management, attendance management and assessment management for teachers and cadres and workers. The comprehensive student management system realizes the basic information, enrollment, attendance, comprehensive growth, graduation and follow-up management of all kinds of trainees at all levels.

Logistics management system mainly includes meeting management, classroom management, accommodation management, water and electricity management, vehicle management, consumables management, etc.

5. Conclusion

Smart Party School of Public Security is the inevitable choice for the education and training work of Public Security Party School in the new period. With the iteration of new technologies, the construction of smart Party School of Public Security is also facing continuous improvement and promotion. It is necessary to give full play to the role of educating and training party members and cadres of public security team, innovate the training concept, take data as the core, drive the training work to move rapidly from digitalization to intelligence, and finally fully realize the ultimate goal of comprehensively upgrading the teaching, management and guarantee service level of Public Security Party School. The training mode of the public security party school will provide decision-making basis and reference for the party committees of the public security organs, provide reference for the public security party schools in all provinces of China to carry out the wisdom education mode of the public security party school, and also have good reference significance for local party schools to carry out wisdom education.

Acknowledgments

This work is supported by the Hebei Higher Education Society's " Fourteenth five-year plan " project "Research on Optimization Path and Strategy of Practical Training of Public Security Higher Education in the New Era" (GJXH2021-226) and China People's Police University's education and teaching reform research project "Innovative Research on Smart Education to Build a New Public Security Party School Training Mode" (2020bkjg020).

References

- [1] Xi Jin Ping. Speech at the National Party School Work Conference [J]. Qiushi, 2016(9):3-13.
- [2] Xi Jin Ping. Fourteenth Five-year Plan for National Economic and Social Development and Long-term Target for 2035: Report at the Fifth Plenary Session of the 19th Central Committee of the Communist Party of China (CPC) [M]. Beijing: People's Publishing House, 2020:68.
- [3] Li Yonghua. Investigation and Reflection on the Innovation of Party School's Education Mode under the New Media Environment [J]. Journal of Party School of Xiamen Special Economic Zone, 2019(04):55-60.
- [4] Yin Liang. Accelerate the construction of the Smart Party School and improve the training and education level of cadres [J]. Small and medium-sized enterprise management and science and technology (next issue), 2018(01):94-95.
- [5] Zhang Zheng. Informatization development of party building in county-level party schools under the background of the Internet age [J]. History of the Party (Theory), 2018(02):44-45.
- [6] Zhu Xiaowen, Zhang Xiaoxi. Research on informatization development of party building in party schools under the Internet age [J]. Motherland, 2019(06):111-118.
- [7] Peng Fuyuan. Research on the development strategy of party building information in party schools in the network age [J]. Journal of Liaoning Economic Management Cadre College, 2021(02):65-67.