Thoughts on the Application of Virtual Simulation Technology in Police English Teaching

Deng Ke

Guangxi Police College, Nanning, China

Abstract: The rapid development of information technology in the 21st century has provided an effective way for virtual simulation technology to be used in police English teaching. It has a good development prospect and use value. It not only affects the effectiveness of police English learning, but also solves the problem of language teaching for language The basic needs of the context provide useful guidance for police English course education and teaching practice activities.

1. Introduction

According to the latest edition of "College English Teaching Guide", the Ministry of Education clearly proposes to break the constraints of traditional multimedia teaching mode on teaching mode, or to organically integrate effective information technology with teaching practice, so as to improve classroom efficiency and achieve the effect of enhancing effectiveness. The integration of virtual simulation technology and English teaching is a new teaching mode under the technological background of the new era. The full application of virtual simulation technology to police English teaching has become a problem worth exploring.

2. The Importance of Virtual Simulation Technology in Police English Teaching

Under the background of the information age, various new technology players have entered the field of English education one after another. The most representative virtual simulation technology has broken through the specific language application with high immersion, interactivity, illusion and fidelity. The limitation of the scene, the virtual reproduction of the real scene, to realize the contextualization of the language learning content and the natural interaction needs of the learner and the medium. Police English as English for Specific Purposes (ESP) and General English are both important parts of college English. In contrast, ESP focuses more on practicality and application. Therefore, the use of police English depends entirely on specific occasions and professional practice. Activity is a highly targeted practical English. The course is also a teaching practice based on specific needs, and its value lies in specific teaching practice. Virtual simulation technology just provides a multi-dimensional input and output path for police English course teaching. Police English teaching content can be presented in a rich and vivid manner through virtual simulation technology. Students can learn and learn immersively by immersing themselves in the virtual simulation language application environment. The application of police English

knowledge and skills not only effectively improves the teaching quality and educational effect of police English, but also creates a new experience of real police English learning for students in the visual sense.

In the context of the internationalization of public security work, our country advocates the active development of international police cooperation, and police work is increasingly involving foreigners. On the one hand, foreigners are increasingly involved in daily law enforcement and services; On the one hand, transnational crimes are also increasing. According to statistics from the Ministry of Public Security, the number of foreigners in China has risen to 97.675 million by 2019. The purposes and identities of foreigners in China are increasingly diversified, and their mobility in China is also increasing. The flow of foreigners not only brings about fierce collisions in political ideas, cultural concepts, and economic integration, but also triggers a large number of foreign-related criminal and public security cases. Civil disputes. According to statistics from Xinhua News Agency, the number of foreign-related cases from 2016 to 2020 is increasing year by year. Therefore, higher requirements are placed on the English proficiency of police and security personnel. Some leaders of actual combat departments reported that when they interrogate foreign suspects, the interrogation through interpreters directly affects the effect of interrogation. It is obvious that grassroots public security departments also urgently need police personnel who can directly handle foreign-related police work to directly carry out police activities. Therefore, to improve the application ability of police English must be through solid and targeted learning, which can really promote the application of police English, close to actual combat, service actual combat, improve the handling of foreign-related cases or disputes by the police in our country, and enhance the rescue services of foreign-related incidents. , To play a greater role. To effectively improve the quality and professional capabilities of our police force, and to play a positive role in establishing a good image of the Chinese police in the international arena, this requires the construction of police English courses to keep up with the requirements of the times and to change in the direction of practical application. At the same time, police English teaching must be dedicated to tapping students' career development potential in international police affairs. The application of virtual simulation technology just provides a good platform and efficient teaching environment for police English courses. It is well known that the teaching content of police English includes foreign-related case investigation, foreign-related public security management, community foreign-related services, foreign-related police cooperation and exchanges, etc. The application of virtual simulation technology in police English teaching has broken through our previous understanding of the concept of teaching space and time. Virtual simulation training scenes and police teaching scenes resolve the difficulties and dangers of practical training operations, greatly reduce training costs, and students can learn and train more effectively on the basis of safety, and at the same time enhance students' ability and confidence in handling foreign-related incidents.

3. The Application of Virtual Simulation Technology to the Innovation of Police English Teaching

The rapid development of information technology in the 21st century provides a platform for foreign language teaching reform, and virtual simulation technology supported by network technology provides an effective way to change police English classroom teaching. The feature of the police English course is that students can interact normally in police work while maintaining the foreign-related scenes, and it has the characteristics of scene and interaction in form. These two characteristics are mainly derived from the uncertain factors involved in foreign-related police exchanges, and require police officers to have strong response capabilities and problem response capabilities. Most of these capabilities are covered by tacit knowledge and are difficult to pass

routines. Therefore, in the practical teaching of police English, teachers actively apply virtual simulation technology to create police activity teaching scenes, provide students with virtual simulation situational practical environment and create external stimuli such as vision, hearing, movement, and emotion. , Thereby affecting the effectiveness of police English learning and solving the basic needs of language teaching for language context.

3.1 The Application of Virtual Simulation Technology to the Innovation of the Situational Training Environment of Police English

With "virtual simulation technology" as a guide, combined with the police English classroom teaching platform, a multi-dimensional police English scenario is created to meet the basic requirements of language learning. Make police English teaching closer to reality, more operable and effective. The virtual simulation environment provides learners with a more harmonious learning environment. Students have a brand-new learning experience in such an environment, and continuously improve the comprehensive level of English language in the virtual simulation situation teaching practice. The application of virtual simulation technology to police English classroom teaching has enabled students to participate in valuable personal learning through interaction and cooperation. In this police English practical teaching, teachers can divide students into many study groups according to their English language proficiency, language skills and self-confidence, and make students participate and belong by sharing experiences and learning together and completing learning tasks. The feeling is better reflected. The virtual simulation technology is applied to the teaching strategy and setting of the practical activities of police English teaching. It is an open role-playing to continuously improve the students' comprehensive foreign language ability, and to strengthen the effectiveness of the students in learning police English.

3.2 The Practical Teaching Method Innovation of Virtual Simulation Technology Applied to Police English Classroom

Based on the virtual simulation technology, the English teaching platform inside and outside the school is used in collaboration to innovate the basic police English classroom model of "police education + English education", to create a multi-faceted training method of scenario → guide inquiry → hands-on practice to cultivate society-oriented Foreign-related police talents in demand.

3.3 The Application of Virtual Simulation Technology to the Innovation of the Teaching System of Police English Classroom

Integrate school and social resources, create a police English teaching platform based on information technology, build a virtual situational language training room, and create a police English training course and practical teaching system with the theme of "virtual simulation technology". According to the characteristics of virtual simulation software and police English textbooks, according to the theme teaching needs, teachers and students are given training and guidance in the use of virtual simulation technology, and the police English teaching and virtual simulation technology are organically combined to effectively improve students Police English application ability and practical ability.

4. The Feasibility of Applying Virtual Simulation Technology to Police English Teaching

Focusing on virtual simulation technology, it aims at reforming the content of police English courses based on virtual simulation, innovating virtual simulation-based police English practical

teaching activities, building a virtual situational language training center, creating a virtual police English learning community and improving virtual simulation The police English teaching platform is the goal to construct a new teaching system for police English course practice.

4.1 Optimization of Police English Teaching Content Based on Online and Offline Hybrid

The virtual simulation of police English teaching content can be divided into three teaching modules: one is online theoretical learning, which focuses on knowledge transfer, which includes common expressions in police English, professional vocabulary and sentence patterns, etc., mainly using SPOC blended teaching The presentation method guides students in fragmented learning, and the purpose of teaching is to stimulate students' interest and enhance thinking space; the second is the virtual simulation of police English practical teaching, through the teacher's creation of virtual simulation of police activity teaching situations, students are immersed in the whole process Learning experience, in which teaching resources are designed according to the learning process and technology adoption model (TAM), including software learning guides, teaching videos, and WeChat official accounts. The third is offline seminars and conclusions. Teachers guide students to expand and think offline. Specific classroom activities include listening and watching, thinking and answering, communication and interaction, questioning and questioning, road shows and debates and other diversified teaching methods.

4.2 Research and Practice of Police English Teaching Methods Based on Immersive Experience

Create a virtual simulation of police English teaching scenarios, create a more professional and personalized immersive learning environment for students, and lay a solid foundation for cultivating students' police English actual combat ability. Use "virtual simulation technology" to build an English teaching class that highlights the combination of police professional characteristics and actual police cases. With the students' self-designed training course scripts, the teacher technically demonstrates the students with virtual simulation equipment, and at the same time provides practical guidance from the language, and corrects the students' pronunciation and other language skills in the virtual scene performance. In the contextual teaching of foreign-related police activities, students are required to perform corresponding role-plays and complete shooting in groups. After completion, the students submit their homework on the police English learning platform as required, complete self-evaluation and mutual evaluation, and demonstrate creativity and division of labor through classroom demonstrations and explanations. Finally, the teacher gives class comments on each group of practical activities. This new type of police English teaching method is helpful to improve the construction of the resource base based on virtual simulation technology, establish a complete and comprehensive evaluation mechanism, so as to effectively realize the teaching goal of police English, and cultivate a compound type with a spirit of exploration and innovation. English-speaking talents to meet the requirements of the country and society for foreign-related police talents.

4.3 Construction of Police English Teaching Platform Based on Virtual Situational Language Training Center

Use virtual scene building software to create virtual simulation of police English teaching theme scenes. Teachers and students can participate in the debugging of each scene in the plot, use the broadcast control system to control the lens, and use nonlinear editing software to achieve experimental special effects and subtitles. Wait. According to the topic section of Police English, in

order to complete a specified task, the student as the protagonist must communicate with different people in English. If the words are used incorrectly or the grammar is wrong, the communication cannot be completed and must be corrected to complete the goal. The Virtual Scenario Language Training Center systematically simulates the real foreign-related police environment. In the complex and dynamic simulation scenarios, it helps students master the basic foreign-related police business processes and methods, and systematically trains students' professional ability and comprehensive response ability, so as to ensure Effectively improve the teaching quality of police English and achieve the goal of talent training.

4.4 Police English Teaching Organization Based on Virtual Community

Faced with individual students with diverse interests and needs, use communication technology and network resources to create a three-dimensional, multi-functional virtual communication environment (virtual community). In such a communication environment, virtual communities can provide students with a full range of emotional, material, and information communication platforms, in the form of combinations, online games, mailing lists, discussion groups, chat rooms, virtual forums, and electronic bulletin boards. And so on, so that individual students in the community can share knowledge and information on the Internet, which will also become a carrier for the individuals in the virtual community to communicate and communicate with each other. The virtual police English learning community is named after various police activities, such as the virtual community for foreign-related cases and police handling, the virtual community for immigration cooperation, the virtual community for international anti-drug cooperation, and the virtual community for peacekeeping police operations. In these virtual communities, Students will not be limited by space and time, and communicate and transfer police knowledge in English, which will surely become the main means for community members to acquire police knowledge and familiarize themselves with the police work process in an international context.

4.5 Integration of Police English Teaching Resources Based on "Internet+"

Police English virtual simulation teaching resources help students to learn independently and teaching practice. After entering the police English teaching system, on the one hand, students can independently complete the learning tasks assigned by the teacher according to their own time, on the other hand, they can also choose their favorite content through the resource library for self-learning according to their own interests and learn what they need. Searching and querying of learning resources, so that the problem can be effectively dealt with. In this process, students can learn about their learning quality in time based on the self-diagnosis provided by the system and improve their learning efficiency. After entering the system, teachers can not only assign learning tasks to students through the platform, monitor students' autonomous learning, but also enrich their own teaching content through the resource library. In addition, student files automatically record students' self-study and completion of their homework, which not only helps stimulate students' motivation for self-study, but also helps teachers make objective performance evaluations for students based on formative evaluation requirements. In terms of police English teaching and training, the core courses of police English have established a training system and simulation platform. The teaching resource library will make the teaching content of the course vivid, vivid and rich, and at the same time the students' horizons will be continuously expanded. Students and teachers can also upload their own learning experience to the police English teaching resource database, which is the online English classroom, so that these police English knowledge can be shared, so that everyone's learning interaction becomes the acquisition, use, and use of information. The process of evaluation and reconstruction. Internet + police English teaching resources can

continuously optimize police English courses, continuously reform and upgrade learning methods, promote students' practical ability and innovation ability, and make police English teaching more ideal.

5. Conclusion

At present, colleges and universities with public security characteristics lack a stable police English virtual simulation teaching base and platform. If you want to obtain an effective combination of virtual simulation technology and police English, it is only possible to use virtual simulation with the support of a corresponding practical teaching system. Technical police English teaching has been implemented. The police English teaching system based on virtual simulation realizes the commonality and win-win of English language practice and actual combat training, and cultivates more high-quality and skilled foreign-related talents for public security, prosecution and justice departments, and meets the needs of the country and society. It has a far-reaching society. significance.

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