Innovative Application of Virtual Reality Technology in Ideological and Political Theory Course of Colleges and Universities

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Abstract: With the development and popularization of internet, the virtual reality technology has become the new form for humans in social practices. Nowadays, the great change of education environment and education object will certainly promote the ideological and political education idea reform in colleges and universities. Colleges and universities should update idea, explore multiple forms of virtual reality and realize organic combination of virtual reality and ideological and political education thus to gradually form the new pattern of interaction and supplementary between virtuality and reality, enrich the classroom teaching content and give full play to the timeliness of ideological and political education. Virtual reality experiment teaching is the important content of information construction for higher education and experiment teaching demonstration center construction, and is the development direction of universities in practical teaching. In order to further enhance the teaching level and quality of ideological and political theory course in universities, this paper discusses the application of virtual reality technology in the course teaching process. Wherein, the virtual reality technology enhances the learning interest and learning efficiency of students through the learning modes of self-learning, independent experiment and self-innovation, consolidate and deepen their theoretical knowledge and obtains good teaching effect, which can be further promoted and demonstrated.

1. Introduction

The development and enhancement of modern education base on all human resources, wherein, network technology is an inevitable means to obtain historical and social resources. The unique characteristics of ideological and political education, such as historicity and timeliness, determine that it must keep up with the times. It should connect and integrate with network actively, innovate and reform the teaching mode thus to really undertake the mission of educating people. Network has become unnecessary part in our daily life, which brings convenience for us in shopping, payment, office work and inquiry. How should the internet combine with ideological and political education in universities? This question is the topic needing to be discussed for ideological and political education reform in universities. As the network platform matures gradually, the ideological and political education field has had more and more rational cognition on network. Currently, the daily teaching work in universities, including teaching, scientific research and student management, can not leave from campus network. The online ideological and political education course connects well with the classroom ideological and political education course to form a good interactive pattern. The ideological and political education in universities can not leave from the modern education means, and the virtual reality technology will certainly enter the rigid ideological and political education course teaching.

2. Significance of virtual reality technology application for ideological and political theory course teaching in universities

(1) Establish a new platform for ideological and political theory course teaching in universities

Under the background of "internet+", the virtual reality technology makes the ideological and political theory course teaching in universities present the characteristics of diversification and

personalized development, possess its feature of individualized teaching, which can adopt different strategies for different students, besides, the largest characteristic of virtual reality technology lies in its strong connection, which makes the ideological and political theory course transmitted widely, strengthens the course influence and publicity largely and establishes a new platform for ideological and political theory course teaching in universities. Moreover, this new platform can be presented from two aspects: firstly, the virtual reality technology opens a new path for ideological and political theory course teaching in universities. Traditional ideological and political theory course teaching in universities is mainly conducted in real world, while it can be conducted in virtual world based on the internet platform. With the development of "internet+", the internet has affected people's life and work largely, which has significant influence on the world view and value of university students. Secondly, the virtual reality technology expands the course teaching transmission space rapidly. Currently, under the background of "internet+", resource can be shared by the public, such kind of open and three-dimensional resource sharing can be realized based on virtual reality technology. Besides, the unique openness and sharing of network allows information to be unlimited on the internet, which can be copied and transmitted without limitations. Furthermore, the network is not limited by territory, accordingly, various resources can be copied and transmitted again and again when they are placed in the unlimited "internet-based global village", and the resources for ideological and political theory course teaching in universities will become more and more. The resources for ideological and political theory course teaching in universities need to be rich and timely, while the network resources just possess with these characteristics, and the network media are gradually replacing the book, newspaper and broadcasting TV and providing convenience for ideological and political education work, which makes ideological and political theory course teaching in universities broaden its development space rapidly based on virtual reality technology.

(2) Meet with the university students' demand on "individualized" development

The traditional ideological and political education adopts the basic mode of "inculcation education" , which is featured with strong coerciveness and relatively-close teaching environment, wherein, teachers are the only information transmitters in classroom and manage the classroom, which highlights the "inculcation" feature of education. Such kind of education mode is easier to make university students have negative emotions thus to cause poor teaching effect of the ideological and political theory course. The virtual reality technology application has changed the teaching mode of ideological and political course in universities, wherein, the original coerciveness and the dominant position of teachers are weakened while the dominant position of students is highlighted, in addition, the participation and learning enthusiasm of the students are largely enhanced as well. What's more, the virtual reality technology enlarges the teaching space of the ideological and political theory course, enriches the teaching mode and highlights the teaching effect.

Virtual reality facilitates the learning and life of contemporary university students who are the application subjects of internet technology. Affected by the internet, the learning and life of the university students become more convenient. Based on computer and mobile phone, the students can obtain learning contents at any time and any place by the means of data, word, voice, language and image without being limited by time and location. By aid of this mode, the time for students to contact front-tier knowledge is shortened and the learning cost is reduced largely. The university students can obtain experiential knowledge from virtual reality technology and can enhance their comprehensive quality. The research shows that humans obtain information mainly through visual sense, auditory sense, sense of smell, tactile sense and sense of taste. If one message can be heard and seen at the same time, it will be memorized in the brain for a longer time after it is expressed again based on personal language. Currently, under the background of virtual reality technology application, many network courses have appeared on the internet, which have perfect system and own domestically-famous university teachers to give instruction on the internet, besides, network courses can also support credit system, based on online and offline communication, the students can select suitable course and loved teachers according to their own situations. In face of knowledge

difficulties, they can also listen to the explanations of the teachers again and again, which largely satisfies the university students' demand on individualized development, makes individualized teaching become possible and provides good development platform for students to realize individualized development further.

(3) Enhance the ideological and political theory course teaching work efficiency in universities

Based on virtual reality technology, the university students can simulate various virtual scenes and virtual figures to perceive the things which can never be perceived in real world, which surpasses the actual experience perception level and enhances comprehensive quality. The virtual reality technology application can not only satisfy the university students' demand in "individualized" development but also can enhance the ideological and political theory course teaching work efficiency in universities, which is mainly presented from convenient acquisition of ideological and political theory course education resources. The rapid development of internet make information transmitted rapidly, meanwhile, it can bring large convenient to the ideological and political theory course education work. The university students can obtain the ideological and political theory course contents rapidly through the internet, besides, the teachers can transmit the ideological and political theory course contents rapidly as well to largely improve work efficiency.

3. Application of virtual reality technology in ideological and political theory course teaching in universities

Whether the virtual reality technology can combine with ideological and political theory course teaching in universities well relies on one set of complete implementation mode conforming to teaching requirements. Firstly, the virtual reality technology should be precisely orientated. From a narrow perspective, the virtual reality applied in ideological and political theory course teaching can be divided into two types: firstly, computer network space system; secondly, virtual reality system, such as emulation and simulation.

(1) Adopt the teaching mode of data collection on the internet

The teachers can arrange some data collection tasks to the students, require them to refer to related materials according to requirements. Besides, the teachers should propose the learning themes close to the reality for the next lesson, require the students to look up to related background materials thus to explain the correctness and important significance of era themes combined with actual situation.

(2) Participate in network survey positively

The rapid development of network technology is helpful for various forms and methods of social survey. Network survey can make full use of the characteristics of internet technology, such as interaction, immediacy, privacy, extension and sharing, to realize rapid, convenient and correct collection of needed information for survey, which has the advantages of low survey cost, wide survey scope and convenient processing of survey data. The teachers should encourage the students to participate in various network surveys on social hotspot and focus, make the students select topics independently and initiate network survey, and then they should summarize the data and conduct analysis thus to form survey report.

(3) Establish ideological and political theory platform on the internet

Website establishment is the important channel of network to provide convenience for people in daily life, and is the most direct interface for netizens in network application. The establishment of the ideological and political education website for university students as well as the creation of online teaching platform for social practice are perfect combinations of real practice and virtual reality. At present, the universities have all established ideological and political education website, and the website establishment mode is to combine the theory learning with social practice. The teachers and students can carry out teaching and learning activities at the same time by aid of online resources. On the one hand, paying attention to the real problems and hotspot in China through the internet can place the ideological and political theory onto the network platform thus to facilitate the students to check and learn; On the other hand, it can open enough space for students on the internet thus to make them broaden their minds fully, speak fully, carry out group discussion and network

discussion. In addition, organizing some classic activities in special festivals can not only present the commemorative significance but also can give play to the potential of students. On the internet, the students can submit their assignments, compare with each other and learn mutually thus to form good learning atmosphere. The combination of website and traditional media provides flexible and interactive platform for the university students in social practice, wherein, the channels for quality education can be expanded through various activities to cultivate the ideological and political quality of the students.

(4) Explore the network reality problem

The teachers should guide the students to focus on the online theory problems and prominent social problem in current period, conduct research on the problems, refer to related materials to finally write thematic thesis.

4. Conclusion

Realistic practice and virtual reality are the unique existence modes for humans, wherein, the ideological and political education mode must keep necessary flexibility between the above two. Virtual reality combines with ideological and political education to open a new field for ideological and political education. Besides, the influence of virtual reality is unprecedented for ideological and political education, and its development trend is irresistible. Currently, there are two extreme opinions: one opinion holds that it is needed to avoid virtual reality in the ideological and political education process in universities and neglect the role of virtual reality in human development, which neglects the virtual reality technology has become the important channel for people to obtain information; the other opinion holds that the universities should rely on virtual reality technology completely, which will certainly cause negative influence. In the ideological and political education process in universities, the relationship between virtual reality and real practice should be figured out to keep necessary relationship between them.

References

[1] Tang Aiqiong, Wei Wenrong. Network practice: one kind of exploration of ideological and political theory course teaching innovation in universities [J]. Higher Education Forum, 2012 (2) .

[2]Wang Hongwei, Zheng Yongting. Comparative research on ideological and political education and management for university students [M]. Beijing:Higher Education Press, 2010 (3) .

[3] Zhang Mingcang. Virtual reality theory [MJ.Kunming:Yunnan People's Publishing House, 2005 (5) .

[4] Zeng Linghui, et al.. Introduction to online ideological and political education [M]. Nanning:Guangxi Nationalities Publishing House, 2002 (7) .

[5] Wei Jifeng. Discussion and analysis on the relationship between online ideological and political education and real ideological and political education [J].Theory Monthly, 2005.

[6] Zhang Lifang, Wu Nan. Research on innovative routes of ideological and political education for university students under the background of virtual learning community environment[J]. Party Building and Ideological Education, 20189 (08) :56-57+60.

[7] Li Ming. New development idea and research on ideological and political theory course teaching reform in universities [J].Henan Social Sciences, 2018, 26 (07) :110-114.

[8] Liu Linyu. Research on ideological and political theory course teaching reform in universities based on five development ideas [J]. Journal of Higher Learning Research, 2018 (07) :15-17.