Strategies to Improve the Effectiveness of Network Security Education In Colleges and Universities in The New Media Era

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Abstract: Network security education is a key part of the healthy growth of college students in the new era.It is of great practical significance to strengthen the network security education of college students and make them form a correct concept of network security to build a national"network security power".At present,there are still many problems and defects in the network security education of college students in China,and it is urgent to improve the network security awareness of college students. The effectiveness of network security education should be further improved by strengthening the policy of network security education,strengthening the status of network security education,strengthening the construction of teachers,innovating the network security education mode and purifying the campus network environment.

Keywords: New media era; Cybersecurity education; Cybersecurity literacy

Introduction

With the development of science and technology and the development of society,a new media era has arrived,represented by the Internet.With the continuous promotion of economic globalization and informatization,network technology has penetrated into all fields of society,bringing great changes to human production and life.However,the Internet is a"double-edged sword",which provides various convenience for people's work,study and life,but also generates many negative effects and social problems.In the new media era,college students have become the main force of the network,and they are a group of dynamic young people in the"micro era"such as WeChat,microblogs and forums.Therefore,in recent years,the issue of how to prevent network security has increasingly attracted widespread attention,especially in various news media,and college students have been widely concerned.

From the current typical cases of network fraud,the main reasons are network lending,network shopping,network part-time jobs,network marketing,etc.,which have caused great damage to themselves and their families.At present,the relevant departments are concerned about the network safety of college students,and the Ministry of Education and other relevant departments have issued relevant policies.Some scholars propose to strengthen the attention to the ideological and political construction of colleges and universities.Combined with the reality,strengthening college students'network safety education is the most urgent task,and colleges and universities should take the responsibility and undertake the responsibility to make unremitting efforts to improve college students'network safety literacy.

1. Drawbacks in Cyber Security Education in Colleges and Universities

Internet is a huge social information platform,millions of Internet users get information and exchange information through the network,thus affecting their way of seeking knowledge,thinking and values,especially having a significant impact on their country,society,work and life.College students are a special group in today's society,they are at an important stage physically and psychologically,and they are easily corrupted by all kinds of bad ideas,therefore,in the network era,we must pay attention to the network safety education for college students and have a correct understanding of it.From the current situation of China's colleges and universities to carry out network security education,China is currently carrying out a series of work,such as carrying out various forms of network security theme education,but there are also many problems and defects,especially the effectiveness of network security education is not fully guaranteed.

(1)At present,the understanding of network security in China's universities is not deep enough,especially college students lack sufficient understanding and attention to the deeper meaning of network security.It is found that in some universities that pay more attention to network security education,the level of network security awareness of some college students is significantly higher than that of other universities.Of course,the quality of college students'network security is closely related to their own active learning and improvement.

(2)At present,some universities in China do not offer courses about cyber security,and are limited to carrying out education on cyber security topics,lacking a comprehensive,systematic and profound promotion of cyber security.

(3)The network security education in China's colleges and universities has some problems,its teachers are weak,most of them are part-time counselors and security personnel,and there are even fewer professional teachers for network security.

2. Strategies to Enhance the Effectiveness of Network Security Education in Colleges and Universities

In view of the current situation of network security education in colleges and universities,we put forward relevant strategies and suggestions from the aspects of necessity and feasibility,such as strengthening the status of the curriculum of network security education,strengthening the construction of teachers,innovating the network security education mode and purifying the campus

network environment,in order to provide reference and reference for effectively improving the effectiveness of network security education in colleges and universities.

2.1 Strengthen the promotion and explanation of cyber security awareness to college students by interpreting policy documents

In recent years,the Party Central Committee and the State Council have paid great attention to the work of network security and information technology,and"Internet+information technology"leading groups have been established around the world,and a series of policy documents have been formulated.According to the current situation,the Ministry of Education has issued the"Notice of the General Office of the Ministry of Education on the Prevention of School Online Loans Risk Focused Special Education Work"and other relevant documents and notices.From the policy documents on network security education issued by the Ministry of Education and the Ministry of Education,many of them are aimed at the current problems in network security education.Therefore,it is necessary to strengthen the publicity and interpretation of network security and organize systematic study for college students,which is important for us to better understand and comprehend the meaning of network security.

2.2 Focus on the construction of syllabus to improve the role of online teaching

Through the investigation of the current situation of network security education for college students,it is found that most universities have some unreasonable problems when they offer the course of Moral and Legal Cultivation and the speech for new students to enter the university;[2]universities generally focus on carrying out network security publicity activities,and there is less general education on the theme of network security.From the current situation,to effectively improve the effectiveness of network security education,it is necessary to strengthen the setting of network courses,and not only limited to new students'entrance and theme education,but also to improve the network security quality of college students throughout the whole process of university education. At the same time,we should continue to strengthen the construction of network security courses in the curriculum system of colleges and universities,and reasonably set a compulsory public course and several elective courses for students to freely choose in each major to meet the requirements of network security education work in colleges and universities.

2.3 Strengthen the construction of cyber security education teacher team

Whether the effectiveness of network security education can be ensured is closely related to the comprehensive quality of teachers. In view of the current situation of network security education in China's universities,it is necessary to pay attention to the construction of the teacher team.It is recommended that universities with conditions to establish a full-time network security teacher team,in the existing relevant professions,select full-time personnel with a high sense of responsibility.At the same time,we should pay attention to the training of cyber security education personnel,because the network content changes rapidly and the technology is updated quickly,therefore,as a teacher,we should constantly improve our learning ability.We should organize our teachers to participate in classroom teaching skills competitions,frequently visit sister institutions that carry out network security education to observe and learn,and focus on improving teachers'practical teaching skills.

2.4 Integrating open teaching ideas and innovating network security teaching methods

At present,the idea of open education permeates all fields of education,and there are more and more kinds of open educational resources,which are the prerequisites for realizing the sharing of high-quality educational resources.Therefore,when conducting network safety education,we should integrate the idea of openness with into the education concept,and make reasonable use of online high-quality open curriculum resources,so that the network safety education resources on campus can be effectively supplemented. In today's open education,we need to conduct cyber safety education to ensure its effectiveness.On the basis of making full use of the existing online open course resources,universities should strongly advocate teachers to carry out"flipped classroom",so that students can become the"master of classroom education"and improve their own cyber security literacy through continuous efforts.

2.5 Strengthen the campus network environment and promote the benign development of network civilization

The Proposal of the Central Committee of the Communist Party of China on Formulating the Thirteenth Five-Year Plan for National Economic and Social Development clearly states that we should vigorously develop online culture,carry out online content construction and create a good online cultural atmosphere.Colleges and universities should create a good campus network environment through various measures to make it develop healthily and make it a better network environment.Building a university campus network security culture is an inevitable requirement for implementing the people-oriented scientific concept of development in the new era.

In view of the problems and shortcomings in the construction of campus network environment and network culture,colleges and universities can start from the following three aspects:

(1)Strengthen the construction of campus software and hardware environment,for example,carry out network safety publicity on campus network,WeChat public number,microblog and other network platforms,so that students can get network safety education both on and offline.Internet safety education.

(2)We should pay attention to carry out high-quality network security propaganda,and regularly carry out"network security"special propaganda according to the characteristics of college students themselves,so that college students can get good learning effect and improve their own network security quality in participating in network security propaganda activities.

3. Concluding Remarks

In the security education of colleges and universities,how to carry out network security education directly affects the network security quality of college students.At present,the situation of network security education in China's colleges and universities is very serious,on the one hand,western countries have carried out long-term propaganda and ideological infiltration on the network,on the other hand,college students are infringed by illegal network from time to time.Therefore,colleges and universities should increase

the network security education for college students and improve their network security awareness.Colleges and universities are an important part of the implementation of network security education and an important way to improve the quality of network security of college students.In view of the current actual situation of college students'network security education,measures are proposed to further enhance the effectiveness of college network security education by strengthening network security education,strengthening the construction of teachers,innovating education mode and purifying campus network environment,so as to promote the rapid improvement of college students'network security literacy.

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