

Research on Electronic Information Engineering with Computer Network Technology

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Abstract: Computer network technology plays an important role in many fields, and also plays a fundamental key role in electronic information engineering. In recent years, with the optimization construction and development of electronic information engineering, the application of computer network technology in electronic information engineering should also be explored and developed.

1. Introduction

At the present stage, China's society and economy are developing and progressing, and the corresponding electronic information engineering field is also constantly upgrading and developing well, which requires the scientific application of computer network technology in electronic information engineering to promote the electronic information engineering to advance with The Times, effective and good development. Under the background of modernization, the application of computer network technology plays a very prominent role. The scientific and reasonable use of computer network technology is an important basis and premise to promote electronic information engineering.

2. Computer Network Technology and Electronic Information Engineering Overview

2.1 Computer Network Technology

Computer network technology integrates communication technology and information technology, mainly studies the basic knowledge and skills of computer network and network engineering, and carries out network management, network software deployment, system integration, network security and maintenance, computer software and hardware maintenance and marketing, database management, etc. For example: computer and other equipment installation and debugging, computer system testing, maintenance and repair, web graphics, images, animation, video, sound and other multimedia design and production. Its advantages include fast information dissemination, expanded channels for information sharing and collection, and improved work efficiency.

2.2 Electronic Information Engineering

Is electronic information engineering with the continuous development of computer network technology, the corresponding with the constant improvement of computer network technology,

electronic information engineering in the application of social and economic development is more extensive, electronic information engineering involved in data collection, data analysis, data processing, data system set up, and other fields. In recent years, electronic information engineering is also a popular major, with the number of applicants increasing year by year and broad employment prospects. After the integration of computer network technology and electronic information engineering, the electronic information industry continues to flourish, and the development of electronic new products and new technology research and development also have a solid technical guarantee.

3. Electronic Information Engineering Has Three Characteristics:

3.1 Convenience.

Compared with traditional manual processing, electronic information engineering has significant convenience characteristics. The main reason is the electronic information engineering in the process of information and data collection, sorting, instruction combined with hardware itself is through the system for processing, so compared with the manual processing way, can achieve the result of more efficient and accurate information about the integration of data, and effective use of computer network technology, electronic and information engineering With the rapid progress of science and technology, the convenience of electronic information engineering has become more and more obvious.

3.2 Accuracy.

Precision is also an important feature of electronic information engineering. Electronic information engineering can use the electronic processing system in the process of data collection and integration to carry out precise processing and integration. Compared with the traditional manual detection method, electronic information engineering can avoid the errors that may be caused by manual processing and ensure the accuracy of data processing. On the other hand, electronic information engineering has built an intelligent information monitoring system, which aims to reduce the risk of data processing and improve the accuracy of the information data processed, which is another guarantee.

3.3 Universality

Because computer network technology has strong adaptability in the process of practical application, it has been widely used in different fields. In the application of computer network technology in electronic information engineering, compared with traditional manual processing, information radiation is more extensive and processing capacity is stronger.

4. Advantages of Network Technology Applied in Electronic Communication Engineering

4.1 Improve the Quality of Information Circulation

The application of network technology to each link of electronic communication engineering can shorten the time for users to obtain information, become more convenient and rapid in the process of information, greatly reduce the time and energy consumption of information release in the past, carry out information exchange on the network is more convenient, and finally harvest the letter

The quality level of information communication. Moreover, the effective processing and release

of information by network technology can greatly improve the efficiency of people's use of information and stimulate the effectiveness of information to the greatest extent. So, the embedded network technology to electronic information communication engineering, on the one hand, can improve the domestic industries and industry demands for information data processing, can also broaden the sources of information channels, at the very level data made by electronic communication engineering information quantity is increasing, the channel of the information source also further expand, Finally, the work efficiency and security of the industry are strengthened.

There is no doubt that everything exists and has both advantages and disadvantages. Undeniably, in the situation of electronic information engineering combined with network technology, it will cause a certain degree of risk, which is specifically manifested as: information will be monitored, modified and stolen by other personnel in the communication stage. However, the same, as long as the continuous improvement of network technology, targeted to avoid these risks, do the devil high chi, high road can greatly improve the security of electronic information engineering information. The network has the characteristics of open and free environment, and the electronic information and communication engineering will also face Trojan attacks. In view of this, strengthening the computer network technology security protection technology, has been the focus of the current many security protection software to build services, basically achieve the protection of electronic information and communication engineering information, and finally continue to promote the security of electronic information and communication engineering. For example, research and development of powerful firewall technology; The network service terminal system is used to implement the automatic backup of electronic communication information content. In any case, the security of electronic communication engineering based on network technology is significantly improved compared with that of traditional paper information.

5. The Application Value of Computer Network Technology in Electronic Information Engineering

5.1 Improve Data Security

One of the most important problems facing computer network technology application is security risk. In the actual situation, computer network technology can protect the data security of electronic information engineering according to the information security system and the setting of high strength network firewall. In order to improve the security and stability of electronic information engineering, it is a good way to apply computer network technology science to it, and it is also the application value of computer network technology.

5.2 Promote the Innovative Development of Electronic Information Engineering

The scientific and reasonable application and technical guarantee of computer network technology in electronic information engineering are conducive to the innovation and development of electronic information engineering. There are many advantages of computer network technology, such as high information processing efficiency, smooth data transmission, fast technology update and so on, which provide impetus for the innovation and development of electronic information technology.

6. The Application of Computer Network Technology in Electronic Information Engineering

6.1 Application in Information Transmission

The scientific application of computer network technology in electronic information engineering plays an active role in promoting information transmission. Electronic information engineering in the process of production, involving a huge amount of information, and transfer frequent and complex, using computer network information technology to achieve efficient information transmission and circulation, not only can ensure the safety of data and information, help to safeguard the information transfer is correct and scientific, to increase production and efficiency of the information engineering has significant positive impact.

6.2 Application in Information Security

Electronic information engineering is an important part of information security, engineering construction side often use the computer network technology in the security protection technology, to fight against network virus attack, while ensuring information security, can effectively reduce or avoid the loss of all parties. Another point that needs attention is the reasonable application of computer network technology to ensure the safety of data and information in electronic information engineering. For example: information encryption technology, anti-virus technology, network control technology, information confirmation technology and so on.

6.3 Application in Resource Sharing

In computer network information technology in the application of electronic information engineering, also played a positive role in resource sharing, through science and technology support to the development of electronic information engineering, effective play to the advantages of resource sharing, improving the capacity of resource sharing and the effect, make people enjoy the better service resource sharing, to better meet the needs of people in different aspects. In the information network of the new era, the value and significance of resource sharing of different information data have been greatly demonstrated, and the application of computer network technology in the field of electronic information engineering will also play a role in promoting resource sharing.

7. Conclusion

In a word, there are many challenges in the production and construction of electronic information engineering, but the scientific and reasonable application of computer network information technology in electronic information engineering can ensure the security of information data, and is conducive to promoting the innovation and development of electronic information engineering. Only by giving full play to the function and advantage of computer network technology can we lay a solid foundation for realizing the work goal of electronic information engineering. Through in this paper the application of computer network technology in the electronic information engineering exploration and analysis, able to work in order to achieve the established goals play a role, in different link for application, such as information transmission, information security and resource sharing, under the application of computer network technology can play a role, improve the quality of the electronic information engineering.

With the continuous improvement of computer network technology, electronic information engineering can achieve its own innovation and development by virtue of its huge advantages,

improve the efficiency of information transmission between systems, for the society economic development provides internal impetus.

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