Research on the Application Status and Improvement of Modern Technology of Electronic Information Engineering

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Abstract — The in-depth application of modern technology in modern electronic information engineering has greatly changed people's lives and work, and its convenience is very strong. However, it can also be seen from practical applications that there are still some problems that have not been resolved. This article summarizes the application status of modern electronic information engineering technology based on previous work experience. The author discusses how to improve the modern technology of electronic information engineering from five aspects: how to create a good market order, how to optimize the development environment, how to strengthen the modern innovation level of electronic information engineering, how to train professional and technical personnel, and how to increase support.

1. INTRODUCTION
The development of science and technology not only gives many Chinese companies more opportunities for development, but also shows a great effect on the development of post-technology. Electronic information engineering technology is one of them, which can make information control and processing more effective. With the continuous improvement of information engineering technology, electronic information engineering technology has been applied in many fields. At the same time, there are also some problems in the modern technology of electronic information engineering. Relevant departments and enterprises should formulate good improvement strategies based on specific conditions.

2. OVERVIEW OF MODERNIZATION TECHNOLOGY OF ELECTRONIC INFORMATION ENGINEERING

2.1. The Content of Modern Technology of Electronic Information Engineering
Electronic information technology is mainly based on the internal software of electronic computers and electronic equipment in the development process. With the help of modernization and automation technology, the relevant data can be fully processed. In this process, it can also provide comprehensive services to related companies. At this stage, in the development of science and technology, electronic information engineering technology has substantially improved the speed and accuracy of information processing. In general, this technology mainly applies network programming signals and programming processing modes to ensure the highest level of communication quality and signal transmission accuracy. In the development of the new era, the trend of economic globalization has become more and more obvious, and the exchange of trade between enterprises of various countries has also increased the pressure of market competition. With the continuous popularization of electronic information engineering technology, enterprises with the latest science and technology can stand out in market competition. Electronic information technology is an emerging industry in China. In the future, it will be an important
strategy for national development to help China gain more advantages in the international economic market competition. Therefore, in order to present the role of this technology and strengthen its application efficiency, relevant staff need to conduct in-depth research on it. Only in this way can the information technology be applied in various fields [1].

2.2. Importance of Modern Technology of Electronic Information Engineering

From the perspective of practical application, electronic information engineering technology has been applied in many fields, but if you want to truly demonstrate the role of this technology, relevant departments need to conduct in-depth research on it. It can be seen from the application of China's electronic information engineering technology that in the past, technical personnel often used Western advanced technology models as the basis for the technology research, and did not take the actual needs of Chinese users into consideration. As a result, the improvement of electronic information engineering technology is not targeted, and almost all external forms are applied in the market, which has a great impact on its function and effect. At this time, the use efficiency of related technologies has dropped drastically, unable to meet the production requirements of various industries in China.

Nowadays, electronic information technology has become one of the important sources of productivity in China. Other countries have also made great efforts to research and update this technology. China is a developing country. If we want to catch up with the developed countries in the West, we should innovate according to demand and make electronic information technology more and more perfect. Fortunately, many domestic enterprises have begun to carry out electronic information construction work. Many domestic companies have changed their R&D rhythm and content according to China's actual conditions and corporate development requirements. These companies focus on improving market demand, allowing electronic information technology to better meet the needs of production and life. This has positive significance for the future development of the electronic information industry.

3. APPLICATION FIELDS OF MODERN TECHNOLOGY OF ELECTRONIC INFORMATION ENGINEERING

3.1. Application in Daily Life

In people's daily life, electronic information technology has also been applied. Its role is very obvious, especially in many household appliances such as refrigerators, washing machines and other applications. In addition, electronic information technology is also used in some corporate monitoring and air conditioning facilities. At present, there are remote control technologies in many electrical devices, and people can control them through mobile terminal devices such as mobile phones. Some household appliances are also equipped with internal electronic parts, which can realize all-day monitoring of electrical appliances and keep them in normal working condition. It can also be seen from this that electronic information technology can not only realize the control of many devices in life and collect more information content, but also can track some devices and find out the problems in them in time. With the continuous development of electronic information technology, many people have begun to realize the importance of environmental protection, and many intelligent buildings have appeared in their lives. These are also based on the modern technology of electronic information engineering [2].

3.2. Application in Factory Production

The application of electronic information technology in factory production is also relatively common. With the help of electronic information technology, equipment production can not only become more accurate, but also ensure the overall quality and service life of the equipment. Meanwhile, this can also save part of the manpower and material input. More importantly, under the influence of electronic information technology, the economic benefits of factories and enterprises can be greatly improved. For example, at this stage, many factories will apply CNC machine tools to carry out various tasks in the development process. After the CNC machine tool officially enters the working state, the staff needs to input some data information. This ensures that the machine tool can work in accordance with specific data instructions. Besides, some chemical companies will use electronic information technology to
control production process conditions to reduce the probability of safety issues. It is precisely because of the existence of this link that companies can avoid many large accidents and reduce their own economic losses.

3.3. Application of Electronic Information Technology in Automobiles
With the continuous improvement of science and technology, electronic information technology has entered people's daily lives. It can be seen in life that many devices have been integrated with electronic information technology. This is also reflected in automobiles. The application of electronic information technology in automobiles can enhance people's experience and increase convenience. This can also ensure that the car can drive safely for a long time. For example, the more common GPS technology at this stage also belongs to the category of electronic information technology. This technology can provide more convenient conditions for drivers [3].

3.4. Military Applications
In the competitive development of various countries, its essence is the competition of science and technology. At this stage, with the continuous development of electronic information engineering technology, this technology is not only integrated into actual life and production, but also displayed in military and national defense. The introduction of electronic information components into some military equipment can enhance the accuracy of military equipment strikes. In the meantime, the application of Beidou, GPS and other technologies can make radar and satellite monitoring more accurate, and provide assistance for the improvement of China's national defense technology and the development of national defense. In the information age, military information technology electronic engineering technology will also be deepened. By integrating computer network technology into the military field, the continuous development of military technology can be guaranteed to a certain extent. At this stage, many military academies in China have opened electronic information majors. The effective combination of electronic information technology and military technology will help strengthen the overall momentum of China's military development.

4. APPLICATION STATUS OF MODERN TECHNOLOGY OF ELECTRONIC INFORMATION ENGINEERING

4.1. Lack of Innovation
Electronic information engineering technology requires in-depth innovation in its development. Only in this way can people's living and production needs be met, which is also an important supporting condition for the comprehensive development of Chinese society. Up to now, electronic information technology is still a new technological content in China. Although it can bring a lot of convenience to people's lives in the process of using it, and the results achieved are also very significant, but China's electronic information technology has not been comprehensively improved and popularized. Many technologies cannot be independently researched and developed, and can only be secondary designed by imitating foreign technologies. In consequence, in comparison with many developed countries, the core components and core technology of China's electronic information engineering modernization technology are still in a backward state, and the technical level is seriously insufficient. It is precisely because of China's disadvantages in technical research in this area. This has led to China's inability to gain a firm foothold in the international technology market competition, which has greatly hindered subsequent independent technology research and development [4].

4.2. Immature Market Competition Environment
After China implemented its reform and opening up development strategy, free market economies have been fully popularized. But for electronic information technology, there are still some problems in the market development process. Among them, the most obvious is the limited market share competitiveness. The reason for this situation is mainly due to China's relatively short time in electronic information
technology research and its insufficient core technology competitiveness. Hence, in the market competition, the market share of electronic information products in the international market in China is not high. Simultaneously, the market competition order in some regions of China is not well regulated. This has caused many information problems such as pirated software. Many criminals make high profits by selling this kind of software, which damages the development and interests of genuine software. It is precisely because of the existence of the above-mentioned problems that the development of modern technology in China's electronic information engineering is affected. Relevant departments and staff need to solve it comprehensively.

4.3. The Problem of Training Electronic Information Technology Talents
In order to maintain the modern technological effects of electronic information engineering, except to introducing advanced technical means, we also need to involve more professionals. This is very obvious for the promotion of information technology. However, it can be seen from the actual development process of modern technology of electronic information engineering that the number of professionals is limited. It cannot meet the development needs of this technology, and even triggers many new development problems. If various departments fail to pay enough attention to personnel training, coupled with the slow development of electronic information engineering technology, it will not be able to provide assistance for modern electronic information engineering technology. The problems it generates cannot be solved in a short time, thus forming a vicious circle.

4.4. Problems in the Development Environment
In general, there are many factors that affect the development of modern technology of electronic information engineering, especially the current setting of the technology development environment in China is not perfect. Good laws and regulations are the prerequisites for maintaining the modern technological development of electronic information engineering. However, China has not issued relevant laws and regulations in the development of this technology, let alone a complete restraint system. This ultimately leads to serious environmental risks and problems facing electronic information engineering technology. Otherwise, some enterprises and departments cannot correctly understand the importance of modern electronic information engineering technology, and their maintenance awareness is not comprehensive. This has led to the failure of popularization of modern technology applications in electronic information engineering. There are also some problems in its operating environment, which affects the development speed of the entire electronic information engineering modernization technology.

5. Improvement Measures for Modernization Technology of Electronic Information Engineering

5.1. Create A Good Market Order
Looking at the development factors of electronic information engineering as a whole, a complete system and policy content is particularly important. Therefore, relevant government departments should rely on policy support and formulate targeted solutions based on the current development of electronic information engineering and existing problems. This can effectively avoid the problem of market disorder. First of all, the government should formulate reasonable preferential policies to ensure that various electronic information companies can invest in this type of technology research and complete technology research and development and innovation. This can ensure that the developed technology meets the basic needs of our society. Secondly, because there are many types of professional technologies involved in electronic information engineering, such as security technology, logistics and distribution technology, we must also pay attention to the improvement of related technical levels, so that electronic information certification specifications and encryption work are in place in one step, and specific operations are improved. Process. This can create favorable conditions for the safe operation of electronic information engineering. Thirdly, relevant government departments need to pay more attention to information engineering operation market maintenance and environmental supervision, and establish sound laws,
regulations and policies to restrict market behavior. Fourth, the relevant government departments must also establish a strict supervision and management system to ensure that the market environment is in a healthy state and to clarify the importance of network order and regulation. At this time, the development of electronic information can also be in a good environment, eliminating all actual risks. Finally, for some pirated computer software appearing on the market, relevant departments should focus on supervision and increase penalties. This can ensure that the market is in a state of healthy competition. Establishing a fair and orderly electronic market environment and strengthening the scientificity and rationality of electronic information products are conducive to safeguarding the economic interests of formal enterprises from being affected [5].

5.2. Optimize the Development Environment
In order to maintain the stable development of modern electronic information engineering technology, all enterprises should do a good job in optimizing their internal environment. Enterprises should cultivate more professional and technical talents by establishing a good corporate environment. Companies can use this to strengthen their core competitiveness and establish a complete training system. Under the effect of the above-mentioned system, relevant technical personnel can obtain more learning opportunities. Enterprises can also increase their investment in the introduction of professional technology and focus on the cultivation of high-quality talents. This helps to ensure that the internal staff of the enterprise can strengthen their professional skills through continuous learning. The innovation of training system and the increase of professional technology research and development funds can create more favorable conditions for the development of electronic information enterprises, and ultimately obtain more economic benefits.

5.3. Strengthen the Modern and Innovative Level of Electronic Information Engineering
In China, there is a lot of room for future development of electronic information engineering technology. In addition to introducing foreign technology content, we must also do independent research and development work, and research the best electronic information engineering technology according to the specific development and needs of Chinese society. If an enterprise only focuses on introduction and cannot realize independent innovation, it will easily cause the development of China's electronic information engineering to be affected. Therefore, Chinese electronic information companies should increase their emphasis on technological innovation and strengthen scientific research. The state should also help staff understand the specific conditions of technological development and stimulate their internal sense of responsibility. For the current problems in the development of electronic information engineering technology, companies can rely on continuous practice and summary to establish more research teams and introduce more professional and technical personnel. Only in this way can it meet the modern technological innovation requirements of electronic information engineering. For example, in 2020, 100 projects from 62 companies in China will be selected into the "Catalogue for Promotion of Independent Innovation Achievements in the Electronic Information Industry". Among them, innovation projects in the field of software and information services accounted for approximately 77%. This shows the diversified and systematic development style of information technology [6].

5.4. Training Professional and Technical Personnel
To truly achieve the all-round development of modern electronic information engineering technology, the support of relevant technical personnel is essential. Only by ensuring that technical personnel continue to improve their personal working ability, understand the future development of the industry, and strengthen research capabilities, can the core technical level of the enterprise be in a higher state and give the enterprise stronger R&D performance. All social colleges and universities should also set up relevant majors in accordance with social needs. Universities can train more technical talents related to electronic information by improving educational investment and education standards. Meanwhile, companies should also pay more attention to the introduction of professional talents. Enterprises should establish a complete training system according to their own needs, and use this to ensure the professionalism and
professionalism of employees. This can bring more opportunities for the subsequent development of electronic information enterprises. The specific talent training system is shown in Figure 1.

![Figure 1. The Main Program Content of Talent Training for Electronic Information Enterprises](image)

6. Conclusion
There is a direct relationship between the policy formulation of relevant national departments and the content of subsequent fund distribution. In particular, the development of high-tech such as electronic information engineering requires the state to issue some supporting policies. The country should be aware of the actual modern technological development of electronic information engineering. The government should provide some financial support so that electronic information technology companies can have more energy to conduct technological innovation research and develop more core products. Furthermore, the state can also establish more engineering funds by introducing some preferential policies for the electronic information industry. This can provide financial support to those enterprises that conduct project research and development, and maintain the overall development of the industry.

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