

The Relationship between Information Development, Computer Network and Economic Development

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ABSTRACT: Scientific and reasonable positioning of the relationship between computer networks and economic development plays an important role in the overall planning of social development factors. This article analyzes the relationship between the two from the aspects of material basis and development trend, and proposes measures to adjust the structure and market positioning of the practice trend, so as to achieve the purpose of clarifying resource development and promoting the scientific and reasonable arrangement of various social factors.

KEYWORDS: Information Environment; Computer Network; Economic Development.

I. INTRODUCTION

The rapid development of the computer industry is the most representative form of power in the social development of the 21st century. With the gradual improvement of the development level of the domestic information industry, its role in the improvement of the social and economic structure and the practice of innovation has become more and more prominent. For this reason, clarifying the relationship between the two is a prerequisite for promoting its development.

II. BASED ON THE POSITIONING OF THE RELATIONSHIP BETWEEN COMPUTER NETWORKS AND ECONOMIC DEVELOPMENT UNDER THE DEVELOPMENT OF INFORMATION

If you want to highlight the relationship between computer networks and economic development, you must first locate the development trend between the two. The author summarizes the main points as follows:

1. Economic development is the material basis for the development of computer networks

According to Marxist philosophical theory, social economic development is the fundamental driving force of all material development, and it provides a practical environment for the integration of social pluralism. As the main way of social information dissemination, computer network should naturally follow this basic rule. In other words, if social material conditions and economic products gradually increase in the process of human civilization development, and innovation, the requirements for all aspects of society will gradually increase, especially the convenient form of network information industry transmission, which will become new. The driving force of economic growth of the times. For example, the establishment of a virtual economic system, the development of a virtual financial industry, etc.; on the contrary, the computer network is just a virtual shell, and the information transmitted by the program will lose its existence value, and naturally it will not create more social value. Computer network development will eventually disappear on the stage of human development. This article discusses the material basis of computer network development in economic development.

2. Economic development is the target trend of computer network development

The development of computer networks is a practical form of intuitive display of social needs. It forms a benign economic operation and control model based on market demand to meet and adapt to practical needs at different stages. On the one hand, economic development is often displayed through multiple forms. For example, the prosperity and development of the financial industry, the sound operation of the agricultural

development industrial chain, and the coordinated promotion of the output structure of education talents. The development of computer networks is based on the changes in the grassroots of society and corresponding changes in technology and structure; on the other hand, economic development It is the backbone of social progress. It is the core of social development. From a certain level, as long as the economic development tends to become clear, the computer industry must follow the corresponding extended development. For example, the agricultural business industrial chain and network planning pattern in the computer network are all concrete manifestations of the in-depth exploration of the computer network under the guidance of the social and economic development system.

3. Computer network is the continuous driving force of economic development

Computer network is a form of power development formed when the real economy develops to a certain stage. It caters to the practical effect needs of the comprehensive utilization of social resources and multi-perspective linkage. At the same time, it can realize diversification under the state of gradual update of user demand structure. Positioning interactive communication, especially in today's state of innovative development of social multi-dimensional economic factors, when implementing hierarchical transformation and optimization, it is natural to have a corresponding structural system as a guide. In other words, the emergence of the social computer network structure has become a leading factor in the multi-dimensional operation of economic resources in the new era. It can reversely promote the optimization of the social economic structure and seek a more multi-dimensional industrial practice-oriented system.

4. Computer network is a new display form of economic development

Since the development of computer networks, a cyclical mode of information transmission and communication has been gradually formed in which multiple parties communicate with each other, such as basic program structure, intelligent industrial development, and digital information connection. When the social network information system is gradually improved and established, the computer network model can play a regulating state of comprehensive positioning and coordinated operation. One is to implement digital and programmed economic operation model creation with computer network as the core. For example, the social modernization of the financial

transaction industry chain, the adjustment of social industry communication and financial factors, etc.; Second, the computer network brings a more intuitive display form for the operation of social economic resources. For example, big data analysis model, information industry core line chart ..., they can all take advantage of diverse information transmission-oriented needs to create a social resource integration structure that is mutually compatible with social models. These are the display forms of computer networks. The above four parts are about computer networks and economics under the development of information The relationship between development is explored and integrated.

III. BASED ON THE DEVELOPMENT OF INFORMATION, THE WAY OF LINKAGE BETWEEN COMPUTER NETWORK AND ECONOMIC DEVELOPMENT

Based on the development of information, the key points of the linkage between computer network and economic development can be summarized as follows:

1. Create a multi-level development structure

In the context of information development, the computer network structure and the social economy are compatible with each other. The first task is to lay a solid material foundation and form a new model of multi-level integration and mutual promotion of industrial resources integration. To put it simply, in the social information environment, all the factors that can bring social and economic benefits are organized into a systematic industrial development and control chain, so as to ensure the comprehensive application and gradual integration of multiple control conditions. This new form of linkage is called an economic model. First, the integration of computer networks in the new model requires the seamless connection of the basic conditions for creating power. For example, the social financial sector must not only be linked to agricultural development, but also be appropriately coordinated with the development needs of the industrial sector. These basic-level factors that interact with social resources need to rationally integrate and locate practical elements in the state of their basic development structure. For example, during the future period of communication and interaction between social and economic development and computer networks, the following practical points can be adopted to orderly grasp and analyze various management adjustment elements:

(1) Combined with the basic situation of the social computer network structure, after diversified statistics and positioning of the relevant situation of the future regional economic development, a preliminary assessment of the development status is carried out.

(2) Carry out overall planning for the core parts of the three parts of local agriculture, industry and tourism, and implement specific overall arrangements for economic resource conditions.

(3) The common market-oriented tripartite industrial economic system using computer networks. At the same time, we will gradually design and coordinate the branch structure of medical, insurance, education personnel training mechanism, and old-age management information. Combining the basic situation of computer network development to form an information organization structure in which social resource models and computer information transmission channels are coordinated with each other, which can avoid the occurrence of incompatibility between local economic and industrial development and social needs. It is to avoid the capital elements of industrial development and implement it reasonably. Guaranteed conditions for the exploration of the positioning of new economic resources.

2. Explore the industry practice orientation of convenience

Under the state of computer development, in the process of mutual coordination and exploration between computer networks and economic development, parallel positioning analysis of short-term goals and long-term goals can be implemented:

(1) In the process of long-term development and exploration of social and economic elements, it is clear The trend of coordination among various factors. For example, after the periodic development of agriculture, how to explore and plan the conditions of social and economic resources, and how to make scientific discussions from the perspective of the future positioning of the computer industry.

(2) After the scientific integration of information development factors, combined with the financial field and tourism industry development trends, explore how to implement in-depth industrial development during the period of network virtual information interaction in the future. Starting from the specific conditions of computer network development and social economic development, the systematic in-depth analysis of statistical conditions and the positioning method of grasping methods have played a very

good role in resource planning and scientific guidance. It brings a reliable guarantee for the overall planning of social resources.

3. Development system with flexible regulations

In addition to the integration of internal factors as a guarantee, the overall arrangement and scientific analysis of social financial resources in the computer development environment also need external auxiliary conditions as a basis. On the one hand, under the computer network environment, during the computer industry practice period, a systematic industrial planning system should be formed, and emphasis should be placed on strengthening the grasp of computer information security protection; on the other hand, the system for social and economic development should be further integrated and positioned. For example, economic law, economic dispute resolution strategies, etc., require more in-depth exploration of specific relevance conditions. In the discussion of regulatory conditions in the future computer development environment, specific system adjustment methods can be given during the relevant work practice period:

(1) In the current planning of the computer industry, a clear management of the elements of industrial development should be carried out reasonably. For example, the computer network financial system, social resource integration ideas, etc., are all aspects that cannot be ignored in the discussion. At the same time, when the computer security information structure is positioned and analyzed, it is necessary to further determine the regulatory factors to discuss ideas, and carry out the coordination and synchronization of online and offline security issues.

(2) When adjusting and grasping the current financial, economic and industrial factors, it has further clarified the relevant systems in the social and economic industries. Starting from the existing regulatory conditions of the computer network structure, in the orderly planning of industrial practices, how to create a more standardized industrial management model can minimize the conflict between the computer industry and economic development, create a resource operation structure that is more in line with social needs.

4. Form a service-oriented market operation cycle

The formation of a service-oriented market operation cycle structure is one of the factors that make good adjustments between the computer network and the economic structure in the state of information development. Summarized briefly, it mainly includes four parts: related

conditions, supply and demand rules, market patterns, and practice trends. In the future positioning analysis of the relationship between computer networks and economic development, the discussion methods of the above four parts will be integrated as follows:

(1) Constantly looking for conditions that can link economic development factors in the state of computer network development. Implement more multi-dimensional industrial economic regulation thinking. For example, the intelligent electronic industry and so on.

(2) Adjustment of supply and demand rules. In the process of gradual improvement of the social and economic structure system, through technological renewal and thinking and consciousness renewal, it seeks a positioning and discussion trend that is consistent with the trend of social development.

(3) From the perspective of the dynamic development orientation of the market structure, carry out the overall planning of social resources. For example, combined with Marxist economic structure regulation thinking, carry out the corresponding resource planning guide.

(4) Combining the specific conditions of current social development, orderly categorize specific issues, implement corresponding specific structural processing systems, and create a good industrial structure regulatory structure. This is the representative method of social resource structure coordination. Starting from the actual situation of the development of the industrial structure, forming a good urban planning service model is a new guiding element for the creation of scientific and long-term industrial planning.

IV. CONCLUSION

In summary, the study of the relationship between computer networks and economic development based on information development is a new condition for grasping and integrating the key points of society as a whole. On this basis, this article explores the key points of the coordinated development of computer networks and economic development through the creation of a multi-level development structure, exploration of convenient industrial practice orientation, a flexible regulatory development system, and the formation of a service-oriented market operation cycle. Therefore, the results of this paper provide new ideas for the optimization and allocation of domestic industrial resources.

REFERENCES

- [1]. Fu Shuai, Sun Nan, Liu Lina (2014), "The Application of Computer Technology in Network Economy", Computer Programming Skills & Maintenance.
- [2]. Chen Chaoji (2012), "Analysis on the necessity of computer Network in the Development of Modern economy", Computer CD Software and Applications.
- [3]. Liu Dianquan (2013), "The relationship between computer Network and Economic Development based on Information Development", China Business & Trade.
- [4]. Ding Haoying (2015), "An Analysis of the influence of computer Science and Technology on National Economic Development", Marketing Management Review.
- [5]. Gunther Maier, Alexander Kaufmann (1998), "The Development of Computer Networks: First Results from a Microeconomic Model", Journal of Geographical Systems, Vol: 3(2).