

Development Characteristics and Trends of Educational Management Theories in the Internet Age

Qi Huang^{1, a, *}, Shuting Wang^{1, b}

¹Jose Rizal University, Mandaluyong city, Metro Manila, Philippines; Yunnan Technology and Business University, Kunming city, Yunnan, China

²Yunnan Technology and Business University, Kunming city, Yunnan, China

^a*huangqi520977@gmail.com, ^bathlet026@163.com

*corresponding author

Keywords: Internet Era; Education Management; Theoretical Development Characteristics; Development Trends

Abstract: In the Internet era, open education based on online learning methods is increasingly adopted and accepted by educational institutions and learners. While open education brings time and space convenience to learners, the trust crisis at the data level has yet to be resolved. It can be divided into three stages: open sharing of education and teaching, large-scale teaching interaction, and cross-platform opening. The Internet has played an original driving role in the development of education management and played an important role in improving its quality. It is very important to build a trust mechanism that runs through the entire process of open education management to create circulation and dissemination. Just like Marxist theory as the foundation of our country's development, research its concept and apply it in college education management. However, in the process of explaining the Marxist theory courses in some colleges and universities, there are problems such as insufficient knowledge of teachers' theoretical knowledge and ineffective theoretical knowledge test results. By clarifying the position of Marxist theory in college education management theory, it has played the role of party organization and can combine its educational theory knowledge with the Internet.

1. Introduction

Before its establishment and reform and opening up, the development of education management in China was relatively slow. Higher education institutions did not have independent courses in education management. Some of them were only sporadic theoretical contents [1]. During this period, Beijing Normal University, East China Normal University, Central China Normal University and other university organization scholars translated foreign educational management works [2]. However, the once prosperous educational administration died under a strict planned economic system. However, researchers and practitioners of educational theory have not conducted in-depth research on the body of educational management theory [3].

After the reform and opening up, China's education has made tremendous progress, and education management has played an important role [4]. Its own development is also advancing in constant adjustment. The rapid development of the Internet era has had a huge impact on the education management and education management theory under it and has even made a great change [5]. Thereby promoting an important line of education management. The Internet has been widely used in many ways, and its application in the education industry has made it develop the fastest[6].

At the same time, research on education management-related issues has also formed a large-scale research achievement. According to the analysis of the research results, we can find that the reason why modern education management theory can develop rapidly after the 21st century is because under the blessing of the Internet era, the characteristics of education management theory can be

summarized in the following forms: in management During the development of the theory, it will awaken to its own education management theory and continue to improve [7]. So the most important thing is to constantly absorb the advantages of other educational management theories, and summarize these advantages to form the theory that one holds [8]. At the same time, this is also to achieve continuous improvement, constantly eliminating the old system, conforming to the purpose of social development. Since its development, it has to constantly eliminate the old system, and welcome the new system to eliminate the theory that cannot meet the needs of social development. So as to achieve a metabolic effect [9-10]. However, the development of education management theory in the Internet era, he must absorb the combination of old and new systems alternately, this is the best metabolic method.

2. Method

(1)The method of education management is the means and measures adopted by the education administrator in order to complete certain educational tasks and achieve certain educational objectives. The method of educational management plays an important role in the operation mechanism of the entire educational management activities. The methods of education management include the methods of international education management—the method of education administration and the specific method of education management—the school management method.

(2)For the education management theory in the Internet era, we must strictly follow the people-oriented concepts and ideas, we must abandon the traditional methods of education theory management in the past, and use the principles and standards of convincing people and emotional people to give Educators have strong affinity and centripetal force in political education management. Education theory Education and educated people are inseparable, we must achieve an effective combination of the two, but also to combine the current educators and educated people's qualities and their own needs for education management, so as to enhance the educated people's management efficiency . For managers of education management theory, they must make accurate positioning of their services, pay real emotions, care for the educated, and enhance the cohesion of education management.

From the perspective of the development process of modern educational management theory, the theory is moving towards diversification, the most prominent of which is the development of educational management theory in the age of the Internet. Since the long-term development of the education industry, there has been a lot of theoretical knowledge in the industry, and they are different from each other. Then in the Internet era, the education management theory is to dispute those original and unique characteristics in the development process. Theoretical changes and deletions form the peculiar nature of educational management theory, also known as pluralism. Second is the joint innovation of theory and practice. In the work of modern education management, the development of its work theory is the common progress of theory and practice. While improving its theoretical theory, it is also impossible to consider the practical performance of the Internet technology, so it can be based on this development trend. In order to achieve the goal of scientific innovation, the ancient educational management needs to integrate its theoretical knowledge with practical systems in the management process to achieve the practical system that educational management theory knowledge wants to fit. This is the purpose of realizing the theory to meet common progress.

3. Experiment

3.1. Resource preparation

Build pre-curricular resources such as experimental project area, experimental tool area, frontier knowledge link and instant notification. The experimental project area is mainly aimed at classroom experimental teaching.

3.2. Use the network resource platform to enhance students' independent inquiry learning ability

In the context of “Internet +”, teachers can make experimental teaching content or operation processes into micro-classes and upload them to the Internet for students to download. Students can follow the preview before class or review after class to meet the learning needs of different students. Students can also use the network resource platform to independently choose physical experiment teaching resources and supplement their knowledge with their own academic conditions. Autonomous inquiry learning cultivates students' subjective initiative and interest in learning, so that teachers can understand students' learning needs and status. Teachers should collect and organize the questions raised by each student, and then give unified feedback to the students.

3.3. Final results of the experiment

Eventually, the educational management mode and teaching mode under the Internet will be greatly changed in class and after class.

4. Results

4.1. Chart of changes in the number of educational management

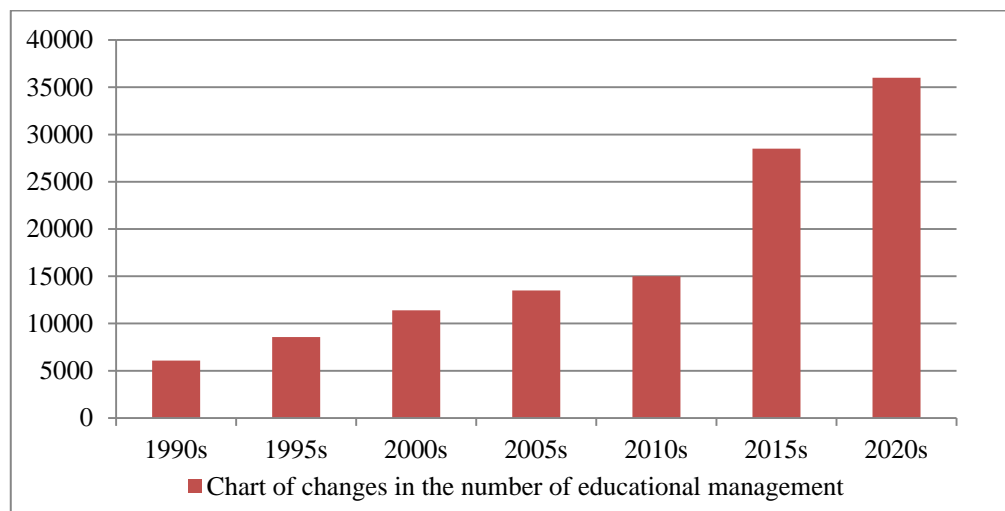


Figure 1. Chart of changes in the number of educational management

We can see from the picture above that education management theory began in 1960 and 1990, and more than 5,000 papers on education management theory were published. However, it is obvious that the number of papers has increased rapidly from 2010 to 2015, which is also officially under the rise of the Internet era. Many scholars have participated in the study of this educational management theory. And after 2020, with the Internet era and the wide application of the Internet, the development speed will increase more and more.

Table 1. Type analysis of educational management development

School students,	55.7%
Teachers,	33.6%
Social workers	3.4%
Soldiers	7.3%

From the Table 1, we can see that students and teachers account for the largest proportion in the school, because in the contemporary Internet era, education management is closely related to teachers and students. Because we can easily see that the teacher is an educator and the students are educated. This is the reason for the large proportion. However, there are many social workers who study the theory of education management, as do military personnel. They all have a love for this thing.

4.2. Trend of education management theory in the future

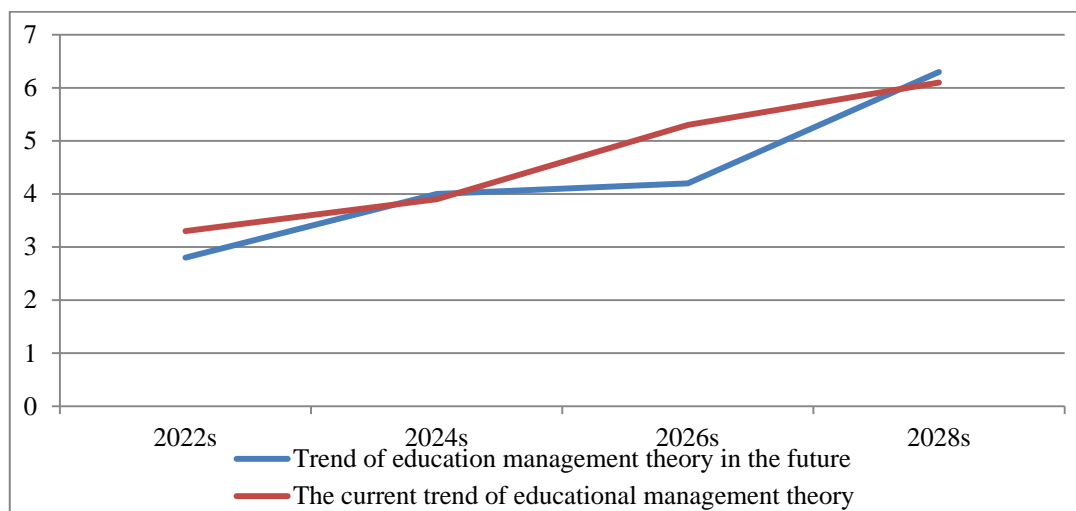


Figure 2. Trend of education management theory in the future

Based on the above line chart, it can be seen that under the continuous blessing of the Internet era, it has shown a linear upward trend from 2020 to 2022, increasing from 2.8 points by 2022. At this speed, the future The development will develop towards the diversification and multi-level development mentioned above, and the development in different directions

First of all, we know that education management in the Internet era is diverse and multi-level. To be able to stimulate the interest of the educated, mobilize the educated's enthusiasm for education. We can constantly reform the teaching methods. In the Internet age where users are diversified, they try to teach educational management theory in a diversified, striving for vividness, image, and efficiency. The use of playing games can greatly improve efficiency. For example, education practitioners can constantly reform teaching methods and understand the mentality of the educated, so that they can better innovate theoretical models and improve the efficiency of educational management theory.

The last point is to clearly distinguish the needs of educators, and different measures can be taken against these. In the education management in the Internet era, it is more obvious that the word "Internet" is highlighted. However, in the Internet, all information is transparent and insecure, and here we have to be clear about security. Protecting yourself on the Internet is the prerequisite for the development of educational management theory.

Through research, it is found that there is a tension in the construction of the discipline system of teaching management, that is, the tension between education management research and other disciplines. Among the numerous educational management works, scholars generally agree that educational management is both an integral part of educational science and a branch of management science. In addition, due to the complexity of active objects in education management, sociology, psychology, and organization theory must be used. However, before the reform and opening up, education management science was influenced by Chinese scholars' foreign translations and Soviet education management science. In addition, the academic circles did not have enough research on the localization of education management science and the theoretical innovation of education management science. There are obvious traces of transplantation and grafting, mostly applying the relevant theories of pedagogy and management to education management, which has caused doubts about the independence of education management. During the research process, only focus on the analysis of concepts and frameworks, and less on the application of research methods. In addition, some scholars believe that the disciplinary system package of teaching management includes the writing system and the textbook system, and the connotation and extension of the two are intersected. The writing system is a rigorous and systematic knowledge system formed by the

researchers according to their own research purposes and research content and processed by rational thinking; the textbook system is based on the knowledge logic of the teacher and the recipient A system formed by the logic of some educational management works. Some scholars categorize the nature of existing educational management studies, and believe that the system of educational management includes element system theory, experience system theory, plate system theory, functional system theory, work system theory, system system theory and comprehensive system theory; From the perspective of philosophy, some scholars believe that epistemology, ontology and methodology are components of the teaching management discipline system. In summary, in different eras, scholars from different research perspectives have made full use of different methods to study the discipline system of education management, which has promoted the construction of the discipline system of education management to a certain extent.

Natural teaching means that online education provides a natural environment for teachers (universal), teaches intelligent voice and handwriting input, and uses the "real sense of depression" in the classroom to learn the natural intelligent environment for students based on the original interactive methods. It will bring breakthrough changes in the following areas:

(1) Visual changes, such as various super-large screens, various types of projections, ultra-realistic virtual reality displays, and 3D displays, make the full-time teaching environment full of displayable screens, blackboards and whiteboards for discussion and interaction, regardless of the surrounding or air Still desktop.

(2) Interactive transformation, such as gesture interaction, gesture interaction, expression interaction, voice interaction, passive analog digital pen, "blackboard" with touch sensing, virtual keyboard, etc., to make the full-time teaching the most natural and immersive And convenient interaction.

(3) Emotional recognition changes, such as facial expression recognition, eye movement recognition, intonation tone recognition, physical activity recognition (heartbeat, breathing, pulse, etc.), etc., enable learners to participate in the whole body.

(4) The change of perspective, such as Google Glass, enables teachers to see what students get, students see what teachers think, and it is especially suitable for vocational training in kind and practical teaching

On the method and theoretical system of educational management theory, it expounds the views of important theoretical schools such as educational management science, supervisory theory, value theory, critical theory, and integration theory, and can find that the current educational management theory presents a very rich Diversity of vitality. Therefore, the educational management theory shows five basic development trends in the Internet era: from a single simplified to a multiple integrated model, from "management" as the center to "reason" as the center of the interpretation, from materialization, passive The hypothesis of isolated, profit-seeking people toward real, relational, and intersubjective people, from descriptive interpretation to critical reflection, from the development of efficiency rationality to the trend of value theory.

Research status and main issues China's education management has made considerable progress after more than 20 years of reconstruction, recovery and development. Relevant books on education management, the establishment of educational management majors and professionals engaged in education management research have increased significantly.

But on the other hand, we should also see that while achieving the above achievements in the study of education management in China, there are still many problems to be solved.

For example: "First, many of our researches are actually just descriptions of some policy documents, and there is no corresponding theoretical innovation or unique insights; second, our research methods are not in line with international standards, and many articles are just for granted. , Contented with vague arguments, replacing abstract fact judgments with abstract value judgments, causing serious disengagement from theory and reality; third, our academic works, monotonous in content, are full of management science Tag-like terms, using them all, makes it hard to believe that this is theory. "

Because of these problems, so far, China's education management research as a whole is still in the metaphysical empirical research stage, has not yet reached the empirical science stage, far behind the research level of European and American countries.

Conclusion

Under the rapid development of the Internet era, the development of education management theory has also developed rapidly, from the immaturity at the beginning of the 20th century to the development of more and more perfect now. Under the continuous progress of this society, education management theory the successful cross-age transformation has met the requirements of modern education management theory, but we must not be satisfied with the current needs. Under the continuous advancement of science and technology, and under the rapid development of the Internet era, we should constantly change ourselves, discard all the theories of the past that cannot meet the contemporary needs, develop, find some new methods, new Educational theory. The new management theory is always better and better than the old one. We increase our direction and want to develop more efficient and standardized education management theories. I believe that the development trend of educational theory in the Internet era is not only perfection, but more efficiency, diversification, and many forms.

References

- [1] Chan S E, Tin A S, Chow W L, et al. Frequent attenders at the emergency department: an analysis of characteristics and utilisation trends[J]. *Proceedings of Singapore Healthcare*, 2018, 27(1):12-19.
- [2] Gamidullaeva L A, Vasin S M, Surovitskaya G V. Towards combining the triple helix concept with competence-based approach of educational management theory[J]. *Global Business and Economics Review*, 2019, 21(3/4):278.
- [3] Cristobal E, Montegut-Salla Y , Ferrer-Rosell B , et al. Rural cooperatives in the digital age: An analysis of the Internet presence and degree of maturity of agri-food cooperatives' e-commerce[J]. *Journal of Rural Studies*, 2020, 74:55-66.
- [4] Li X, Pak C, Bi K. Analysis of the development trends and innovation characteristics of Internet of Things technology – based on patentometrics and bibliometrics[J]. *Technology Analysis and Strategic Management*, 2019, 32(4):1-15.
- [5] Joe Conforti. Monitoring of Workers and Workplace Records in the Internet Age[J]. *breast journal*, 2018, 15(4):399–403.
- [6] Zhang G, Wu D, Jia J, et al. Architecture Characteristics and Technical Trends of UHF RFID Temperature Sensor Chip[J]. *Active and Passive Electronic Components*, 2018, 2018:1-8.
- [7] Cristobal E , Montegut-Salla Y, Ferrer-Rosell B, et al. Rural cooperatives in the digital age: An analysis of the Internet presence and degree of maturity of agri-food cooperatives' e-commerce[J]. *Journal of Rural Studies*, 2020, 74:55-66.
- [8] Tiozzo B, Pinto A , Mascarello G , et al. Which food safety information sources do Italian consumers prefer? Suggestions for the development of effective food risk communication[J]. *Journal of Risk Research*, 2019, 22(7-8):1062-1077.
- [9] Tabash M A. Characteristics, survival and incidence rates and trends of pilocytic astrocytoma in children in the United States; SEER-based analysis[J]. *Journal of the Neurological Sciences*, 2019, 400:148-152.
- [10] Song Z, Yan D , Qiu L , et al. Unconformity characteristics, age constraint and tectonic significance of the Weng'an Dome in southwestern Yangtze Block[J]. *Earth Science Frontiers*, 2019, 26(2):16-41.

[10] Wu Y J, Chen S C , Pan C I . Entrepreneurship in the Internet Age: Internet, Entrepreneurs, and Capital Resources[J]. International journal on Semantic Web and information systems, 2019, 15(4):21-30.