

# Construction and Optimization of Modern Education Management System based on Multi-Dimensional Informatization

Su Yongzheng  
School of Finance and Economics  
JiangSu University  
301 , Xuefu Road, Zhenjiang, 212013  
Jiangsu Province, P. R. China

**Abstract:** Construction and optimization of modern education management system based on multi-dimensional informatization is studied in the paper. For the education management of colleges and universities, its main goal is to cultivate students' ability to live independently, so that students can actively adapt to future life and work. The method can timely obtain some suggestions and opinions of parents and students on school management, which can greatly improve the management quality and efficiency of the whole school. Hence, our study then uses the novel multi-dimensional informatization ideas into the modern education management system to then achieve the better performance.

**Keywords:** Construction and optimization; modern education; management system; multi-dimensional informatization

## 1. INTRODUCTION

Education management informatization is an important part of the education informatization, and it is a powerful means to improve school management efficiency and build a modern campus. The most important content of school informatization is actually to realize the informatization of the education and teaching. In terms of school informatization construction, it is necessary to first implement the construction of the school's website. Teachers and parents can use the school's website to learn about various information about the school. The school can also publish the various school activities and examination-related information through the website.

The method can timely obtain some suggestions and opinions of parents and students on school management, which can greatly improve the management quality and efficiency of the whole school. Schools are the key components of our country's education system. Core archives management is an important part of campus work. Under the new situation, it is necessary to realize changes and independent innovations in management methods and the core concepts. Especially, the finance management is the key aspect. With the continuous reform of the education system, high school education is slowly popularizing, and the enrollment scale of schools is increasing, which also leads to the increasing workload of school financial management.

The financial management work itself is characterized by the complex and trivial, wide range of the design, etc., and the traditional financial management model has serious lag and uncertainty, which seriously restricts the development of the financial management work. The informatization construction of financial management is an important foundation of modern management. Under the development of our country's market economy, the school's financial management work must constantly adapt to the needs of reform and establish a modern concept of financial management. Accordingly, in the

figure 1, the Modern Education Management System as the sample is presented as the background.

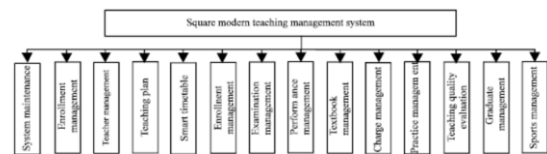


Figure. 1 The Modern Education Management System  
(<https://scialert.net/fulltext/?doi=itj.2014.340.346>)

## 2. THE PROPOSED METHODOLOGY

### 2.1 The Management System based on Multi-dimensional Informatization

Establishing a multi-dimensional teaching monitoring mode to manage the teaching process, implement daily inspection, evaluation, and also feedback, facilitate better processing and adjustment, and then effectively assist the establishment of the core system. Most schools in our country have gradually used information management and also the professional archives management system, but when using it, they did not do a good job of then classifying the data information, and only digitally entered the core information content of the archives into the computer, which caused When viewing data information, it will be affected by other archives, so the efficiency of viewing information will also be significantly reduced.

By improving the level of teaching and learning management The school's promotion rate can be effectively achieved through improvement of teaching management. Information technology can effectively improve the school's teaching resources library to meet the specific requirements of the educational development. Moreover, number of educational resources should be increased to ensure the number of educational resources should be increased to ensure that they match the needs of the society, and the curriculum should be

developed in a way that meets the process of developing the curriculum, we should conform to the social situation and also make timely adjustments to the relevant content. In terms of scientific research, we can cooperate with other schools, share resources with the help of the network, and comprehensively improve the information management level of primary school teachers. Making full use of file management is for better teaching, and for the teachers, students and also their school administrators to refer to relevant activity materials and data information.

## 2.2 The Construction and Optimization of Modern Education Management System

As an important part of the philosophy and social science, the discipline of educational management should actively explore the "three systems" and do a good job in its construction. We consider integrating the concept of the humanism into the teaching management of colleges and universities. The main purpose is to innovate and optimize the traditional passive teaching mode, and at the same time transform the passive teaching mode into an active learning mode.

Scholars believe that the passive teaching mode is beneficial to students' learning interest and enthusiasm is not helpful. The integration of humanistic care in student management can better to the actual needs of students and to carry out targeted educational work according to the characteristics of students. This is not only an important measure to promote the students' overall development, but also a fundamental requirement to cultivate talents of the new era.

This is not only an important measure to promote the overall development of students, but also a fundamental requirement for cultivating talents of the new era. Therefore, teachers should teach students in accordance with their aptitude, instead of using uniform standards to shape students with different personalities, they should adopt different educational methods for different students, and change from "managing students" to "educating students".

Finally, pay attention to the spiritual needs of students and teachers should not only pay attention to the material needs of students, but also pay attention to the spiritual needs of the students, especially the ideological dynamics of students. The informatization is the basis of the application of big data technology and also determines the transformative nature of education management. Through the application of big data, the quality of education management can be significantly improved within a period of time, the quality and efficiency of the running schools and education can be improved, and the management model can be optimized.

## 3. CONCLUSIONS

Construction and optimization of the modern education management system based on the multi-dimensional informatization is studied in the paper. College management is the key to promoting the development and progress of the colleges and universities, and it is also the core content of education and teaching.

Therefore, during the teaching practice, college education management is related to many aspects of the school. In the process of carrying out student education management, teachers are required to implement and implement the concept of humanistic education according to the teaching reform proposed by colleges and universities, and fully respect the dominant position of students in the classroom. Furthermore,

the information model will be integrated for the construction of the system.

## 4. REFERENCES

- [1] Prikhodchenko, Olga, Vladimir Pankov, and Lubov Afanasyeva. "Modern Trends in the Development of the Regional Economic Management System in the Context of Digital Globalization." In SHS Web of Conferences, vol. 92, p. 07053. EDP Sciences, 2021.
- [2] Papaskiri, T. V., A. E. Kasyanov, N. N. Alekseenko, V. N. Semochkin, E. P. Ananicheva, and I. V. Volkov. "Modern technologies of digital land management." In IOP Conference Series: Earth And Environmental Science, vol. 350, no. 1, p. 012066. IOP Publishing, 2019.
- [3] Nwankwo, Wilson, Akinola S. Olayinka, and Benjamin Uchenna Benson. "X-ray Cargo Scanning and Risk Management in Trade Facilitation: Analysis & Model of an Online Imaging and Documentation Management System." International Journal of Modern Education and Computer Science 10, no. 5 (2019): 10.
- [4] Rinkey, Gupta P., and Archana Bhatnagar. "Architecture of Modern E-learning Education System using Cloud Computing." Int J Eng Adv Technol 8 (2019): 5132-7.
- [5] Fajar, Ahmad Nurul, Aldian Nurcahyo, and Septi Redisa Sriratnasari. "SOA system architecture for interconnected modern higher education in indonesia." Procedia Computer Science 135 (2018): 354-360.
- [6] BOTEZATU, Mihai Alexandru, Claudiu Pirnau, and Radu Mircea Carp Ciocardia. "A Modern Quality Assurance System-Condition and Support to an Efficient Management." TEM Journal 8, no. 1 (2019): 125.
- [7] Kurbatova, Svetlana M., Larisa Yu Aisner, and Oleg D. Naumov. "Labor resource as a factor of modern agricultural production." In E3S Web of Conferences, vol. 161, p. 01088. EDP Sciences, 2020.
- [8] Masenya, Tlou Maggie. "Application of modern technologies in the management of records in public libraries." Journal of the South African Society of Archivists 53 (2020): 65-79.
- [9] Almazova, Nadezhda, Elena Krylova, Anna Rubtsova, and Maria Odinkaya. "Challenges and opportunities for Russian higher education amid COVID-19: Teachers' perspective." Education Sciences 10, no. 12 (2020): 368.
- [10] Sherstneva, Alina. "Impact of Modern Processes in Management Education on the Acquired Competencies." In SHS Web of Conferences, vol. 93, p. 03010. EDP Sciences, 2021.
- [11] Leontyeva, Irina A. "Modern distance learning technologies in higher education: Introduction problems." Eurasia journal of mathematics, science and technology education 14, no. 10 (2018): em1578.
- [12] Kurgansky, Sergey I., Natalia R. Turavets, Yekaterina G. Vakulenko, Vitaliy V. Kistenev, and Kristina Yu Boyko. "From the paradigm of learning to the paradigm of self-education: Modern technologies of preparation of students of university of culture and arts." International Journal of Criminology and Sociology 9 (2020): 1894-1897.

[13] Korshunov, I. A., G. A. Chakhoyan, A. M. Tyunin, and E. L. Lyakhovetskaya. "Modern types of consulting in the management system of an educational organisation."

The Education and science journal 23, no. 1 (2021): 73-101.