

Trends of the Educational Administration in the Information Age for Guiyang Vocational and Technical College

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ABSTRACT

In recent years, with the development of China's economy and the continuous improvement of informatization level, it is more convenient for the integration of all walks of life, thus providing a new development environment for China's development, and especially promoting China's education industry to enter a new stage in terms of the education industry. Along with the development of information technology, educational methods such as Flipped Classrooms, Microlectures, and MOOCs have been extensively applied to education and teaching, which not only change the teaching methods of teachers, but also promote the transformation of teaching management methods. However, in the process of informatization construction for vocational education, there are some problems, such as low teachers' informatization literacy, limited teaching resources and incomplete infrastructure, making strengthening the research on the trend of vocational education informatization an important topic. Starting from the above-mentioned problem that is widely concerned, the status quo and development trend of education management informationization in vocational schools were studied in this thesis. Firstly, the concepts, contents and significance of education management informationization were probed into by means of literature analysis. Then, taking Guiyang Vocational and Technical College as the research object, the status quo of school education management informationization was acquired by virtue of questionnaire survey, and relevant conclusions were drawn. Finally, based on the actual development of Guiyang Vocational and Technical College, some suggestions on the trend of school education management informationization were proposed, which can not only provide countermeasures for the informationization of education management in Guiyang Vocational and Technical College, but also serve as reference for the informationization of education management in vocational schools.

KEYWORDS

Vocational schools; education management informatization; educational resources

With the continuous advancement of education modernization, the hardware equipment foundation of major secondary vocational colleges has been greatly changed, and the network construction project is also increasingly perfect, which can lay a solid hardware foundation for expanding the information construction of schools. At the current stage, educational reform is being carried out in full swing. Schools are also at a crossroads of educational reform. The determination to change has become a vital choice for educators. In the process of promoting their own information systems and educational information development, various vocational colleges and universities have achieved more integration of business departments, improved data sharing capabilities and information communication efficiency between departments, and thus achieved centralized and

unified management, greatly improving business collaboration capabilities. However, the defect site of change or inadequate business restructuring during the work process makes it difficult for information management systems to leverage their significant business advantages and significantly improve business efficiency. Therefore, the layout of information management is a systematic project. The relevant aspects not only need to achieve the co construction and sharing of data flow, but also restructure and construct the original business, ultimately achieving unified and centralized management, so as to maximize the efficiency of education management informationization.

1 Objectives

(1) This paper chooses Guiyang Vocational and Technical College as the research object under the background of the rapid development of information technology in our country. Based on interview, questionnaire and other research methods, this paper analyzes the basic status quo of the school's education management.

(2) From the perspective of Internet, this paper probes into the defects and problems in the construction of educational administration informatization, and puts forward corresponding solutions according to many existing problems.

2 Research Problem

(1) In the environment of rapid development of information technology, what are the basic status and characteristics of education management of Guiyang Vocational and Technical College?

(2) From the perspective of information technology, what are the deficiencies in the educational administrative information construction of Guiyang Vocational and Technical College?

(3) Based on the current deficiencies, what is the optimization trend of education information management?

3 Research framework

Stage: The staff and students of Guiyang Vocational and Technical College are selected as the research objects of this paper, and the questionnaire of Education Management Informatization of Guiyang Vocational and Technical College is compiled by using the method of random sampling. The questionnaire questions were designed closely related to the information management situation of the school, including the construction of the school's information infrastructure and the information management environment, ensuring the reliability and validity of the questionnaire.

Stage: Through a questionnaire survey, first-hand information was obtained, providing a profound understanding of the basic status of the school's education management informationization construction, and providing important data support for analyzing problems and providing solutions in the next stage.

Stage III: Combined with the questionnaire analysis, the research conclusions and suggestions for the information construction of Guiyang Vocational and Technical College

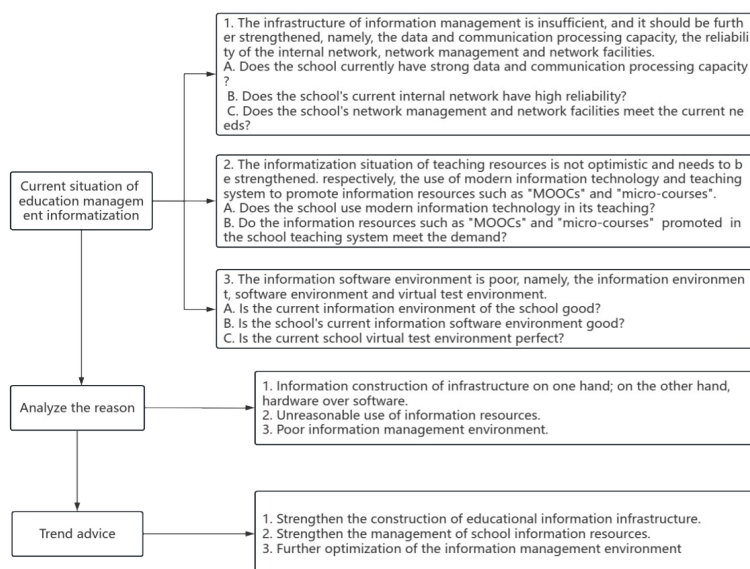
According to the proportion of teachers, students and managers of Guiyang Vocational and Technical College, 300 for students, 285; 115 and 110; 58 for teaching administrators and 55.

First, students' questionnaires were designed and issued. In order to make the survey results more accurate, students were trained before the questionnaire survey, and then questionnaire

survey was conducted.

Then, this paper randomly selected school teachers as the questionnaire survey object, investigated the school information management problems.

Finally, a questionnaire survey is conducted on the corresponding managers to understand their understanding of school information management.



4 Results

(1) The current infrastructure of information management in Guiyang Vocational and Technical College is insufficient, which should be further strengthened.

(2) The informationization of teaching resources in Guiyang Vocational and Technical College is not optimistic currently and needs to be strengthened.

(3) The survey on the virtual experimental environment in the College reveals that the current virtual experimental environment in the College is poor.

5 Conclusions and Discussion

5.1 Insufficient Infrastructure Informatization Construction

On the one hand, the funding investment is single. In 2022, the investment in vocational education in the city where Guiyang Vocational and Technical College is located accounts for 79.5% of the overall financial education funds in the whole city, which obviously shows that the investment is not ideal. Meanwhile, compared with the urban areas, the investment in vocational education in counties and cities is less. Limited by insufficient funds, Guiyang Vocational and Technical College will invest a certain amount of funds to build informationization according to the specific situation of the College. Naturally, its construction direction will be tendentious. Besides, being in this state for a long time will make the resource allocation unreasonable and hinder the

process of educational management informationization in the College. On the other hand, hardware is preferred to software. Taken as a whole, the College has relatively perfect basic hardware for its education and management informatization, while it is slightly insufficient in simulation environment and digital small cloud public service and its public services and information application systems of digital campuses still need to be expanded and improved.

5.2 Unreasonable Use of Information Resources

The planning, information software and hardware facilities, information technology enterprise cooperation and information resources investment and construction of the College are not scientific and reasonable. The national teaching quality evaluation parameter system has demands in personnel training quality and ability, and some hardware infrastructure work has been included in the evaluation output system. Therefore, in order to ensure that they can get better evaluation results, colleges and universities generally choose to invest more resources in the construction of hardware infrastructure without paying due attention to software development. On the whole, teaching application, auxiliary management application and other management work are not valued much. In addition, the lack of scientific and reasonable planning of software and hardware construction from the financial level makes colleges and universities lag behind in information management and development. There is a clear gap between the actual effect and expectation of teaching management control in frontier and online, and the benefits that can be obtained from digital construction are preferred.

5.3 Poor Information Management Environment

To begin with, the work content covered by information management is not comprehensive enough. Although the College has also built its own website, the main content of the website is to show the school style, most of which are static content, rarely involving dynamic content, and the functions involved in the website are too single with only display function but lacking in management function. Besides, its website design function is not rich enough, mainly including campus portal website, library website, and party building website.

Moreover, the guidance on information management is insufficient. Important guiding opinions can create a good environment for information management, avoid detours for school information management work, improve work efficiency and reduce unnecessary mistakes. The lack of guidance on the information management of Guiyang Vocational and Technical College makes the Information Department responsible for solving all the problems existing in the information management of the College, which, obviously, may make the decision not in line with the objective reality, and thus exert an adverse impact on the process of information technology of the school. These problems are in some ways caused by the lack of guidance.

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