Research on Construction of Digital Campus in Higher Vocational Colleges

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ABSTRACT

Strengthening the construction of digital campus, on the one hand can improve the school teaching, scientific research and management work efficiency, on the other hand, the level of digital campus construction has become a standard to judge whether an educational level of the school. The current digital campus undergraduate school construction in China is faster, but the vocational college digital campus construction progress is slow, has affected the reform and innovation the development of the school. This article through comprehensive analysis on the current situation of digital campus construction in higher vocational colleges, and find the existing problems and put forward feasible measures, effectively promote the construction of digital campus in higher vocational colleges.¹

KEY WORDS

Digital Campus; Problems; Measures

INTRODUCTION

The construction of digital campus in higher vocational colleges generally include network infrastructure, database construction, resources construction, service platform and unified portal construction. The construction of digital campus can integrate campus resources, improve the utilization rate of equipment, to provide better service resources for teachers and students, promote the innovation and

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development of the school. In higher vocational colleges as an important part in the
digital. The construction of campus with college relatively slow progress, most still
in the stage of infrastructure construction, has seriously affected the development of
school reform.

THE PRESENT SITUATION AND THE MAIN PROBLEMS OF DIGITAL
COMPUS CONSTRUCTION IN HIGHER VOCATIONAL COLLEGES

At present, some vocational colleges in China have achieved certain results in
the construction of digital campus, but the overall level of application is not high, the
resources are not shared, and the business process has not been simplified, there are
still some shortcomings.

Leaders do Not Pay Enough Attention To It

Is the early part of the higher vocational colleges from secondary vocational
schools merged or upgraded to the school to focus on expanding the size of the
school, improve the quality of teaching, enrollment, employment and other work, do
not pay enough attention to the construction of digital campus, there is no strong
executive and professional team of security, affect the construction of digital campus.

The Overall Planning Is Imperfect

The content of digital campus construction, the level of complexity, which
belongs to the application of advanced information technology, must formulate the
construction planning and the implementation of the certificate to the higher
vocational colleges. Since the implementation of the organization is not perfect, the
lack of relevant technical personnel and other reasons, in the construction of digital
campus, there is no overall planning for construction of scientific system, led to the
emergence of digital campus part of the contents of repeated construction, system is
not coordinated, information silos and other problems, seriously affecting the digital
campus construction of late.

Construction Shortage Of Funds

The construction of digital campus is a system engineering, need long-term,
phased investment, the demand for funds is large, although with the development of
national education informatization, government departments issued a series of
policies about university informatization, informatization construction of higher
vocational colleges must give financial support, but government subsidies on an
utterly inadequate measure, cannot meet the need of construction however, limited
sources of funding in higher vocational colleges, the construction of the digital
campus has put flesh.
The Lack Of Technical Personnel

The construction of digital campus is professional, must have a professional construction team, to a group of special network, computer professionals, to ensure the construction progress and quality, and the current vocational colleges in the construction of professional technical personnel information is not perfect, is a serious lack of professional information technology staff of two departments; two, college level set no full-time information management personnel to understand the technology, the influence of the construction of digital campus development.

Other Related Issues

Other prominent problems of digital campus construction in higher vocational colleges still exist. One is the lack of a unified data standard, construction of each subsystem, coordination among departments and solicit their views fully, leading to the respective acquisition system using data, which could not be repeated between data acquisition and sharing system, docking difficulties; the two is to rely on manufacturers, maintenance the difficulty, system change frequently. Because the school development is weak, generally take the form of purchase to buy related software manufacturers, but later the system changes in the business environment, cause the system to put into use after some function module needs to change, because in the purchase of system software on the late maintenance is not considered, makes maintenance difficult and high cost to buy a new system, a serious waste of money and manpower; three is the construction of digital campus is not fully combined with the self-characteristics of running school, Teaching mode, training environment, leading to practical; four is the demand of digital campus planning, construction, operation and so on in the process of teachers and students lack of user participation, resulting in the construction of digital campus and not completely for teachers and students.

DIGITAL CAMPUS CONSTRUCTION,COUNTERMEASURES AND SUGGESTIONS

Leaders Attach Importance To The Formulation Of Special Construction Plans

Higher vocational colleges should attach great importance to the construction of digital campus, set up with the president as head of the leadership of the organization, and set up an independent information center (Network Management Center), responsible for the implementation of the digital campus. The digital campus construction should be based on sufficient survey, according to the school's own characteristics, learn from other colleges and departments of comprehensive advanced experience. In the opinion, the school requirements, in the building, the
principle of gradual implementation, scientific construction planning, construction planning especially relevant technical architecture planning, data construction standards must be technical demonstration, or consult the relevant experts to determine the need to ensure that planning in line with the higher vocational colleges, with the long-term development plan of the school, to prevent the construction of digital campus wrong.

Layers Determine The Digital Campus Technology Architecture Model

In order to prevent the spread of digital campus construction and lack of logic, higher vocational colleges should set up a professional team construction, according to the school funding, teaching mode, architecture of digital campus technology model to determine the training requirements as well as management environment demand, and reasonable hierarchical structure of the model according to the individual, sector demand and stage development planning. To determine the content of each layer in the model construction, and points out what belongs to the project will be built, which belongs to the project, and determine the project has hierarchy. At the same time to determine the technical architecture technology standards project model, business logic structure. The technical architecture model by technical experts, before the implementation of the implementation process. Also to adjust according to the specific environment and financial situation.

Establish Data Standards

The construction of digital campus construction in higher vocational colleges should experience a good school, prior to the comprehensive construction of digital campus, focus on the establishment of data standard, data center construction, system platform don't appear is not compatible with the problem of information island, information resources sharing system can not, seriously affecting the digital campus platform to promote and use. Therefore, the school according to the demand of each department, the data of two colleges, scientific design of the application system of database, and the preparation of basic data and information encoding set, including user groups, departments and other encoding rules. It should also be written in standard system specification, including business standards, technical specifications. To ensure that a system of data information technology summary and sharing, we must also strengthen the data center, data integration, cloud computing platform, and the confidence of departments responsible for the management, regularly carry out Massive data mining and analysis work to form effective data information for management decision making.

Raise Funds And Make Reasonable Investment

The development of information technology is very rapid, requires constant investment and construction. But the good construction planning and
implementation of the program, if there is no funds for construction, it is an empty sentence. On the one hand, the school should try to, a reasonable way for construction funds, to ensure that the construction of digital campus can be achieved. In addition to the basic input for the government in the school funding should also take the mode of school enterprise cooperation, cooperation for enterprises to invest in construction funds to raise funds for the construction of a batch should be in accordance with the order of priority, the principle of investment, technology is feasible, should not blindly one input, because the construction of digital campus is not easy, and the updating of information technology development, planning and construction may be adjusted at any time, if the time invested too much, and information technology equipment easily outdated, depreciate quickly, easily lead to construction of a waste of money.

Technical Personnel Construction

In order to ensure the stability and infrastructure of the digital campus construction, normal operation and management system of the platform, the school should establish a high level of informatization talents team. Including personnel department of information technology and construction of the schools and departments, each grade two school of information. To a certain extent, to ensure the stability of the information of the team. At the same time relevant technical staff to carry out regular technical training, training, improve the technical level. Schools should ensure that information technology professionals work related to treatment, implementation of technology to stay posts, treatment to keep people.

Teacher-Student Cooperation

The construction of digital campus is the school is in charge of the leadership in charge, the informatization construction sector led, but the relevant system and platform for teachers and students to use. Therefore, in the development of digital campus construction project, must listen to the views of the majority of teachers and students, but also to seek for reference, including pipe, temporary staff views so, the digital campus can be down to earth, the system platform can truly for the teachers and students, teachers and students use Shuxin, if did not seek the views of teachers and students in the purchase system, some function modules use up a lot of trouble very hard, will be difficult to popularize, may be disabled or abandon the use of some modules, or even to buy not only waste, construction funds, but also waste a lot of manpower.

CONCLUDING REMARKS

In the era of the Internet and big data, higher vocational colleges should make full use of advanced information technology, combined with the characteristics of
the school, the demand of digital campus, to build high level. In order to integrate
the resources of the school, teachers and students to provide better service for the
foundation, and then improve the school teaching, scientific research, management
information level, realize the rapid development of the school.

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