

A Brief Analysis of the Matrix Construction of Three-dimensional Network Ideological and Political Platform for University Libraries

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Abstract: Based on library literature resources and services, using cloud computing technology, artificial intelligence technology and scientific and effective data security management mechanism, a three-dimensional network learning platform is constructed, which organically combines learning, life, culture and other aspects of services, and on this basis, ideological and political education is integrated into library services to form a complete learning ecosystem, so as to guide students to correctly establish outlook on life and values, and enhance students' ideological and moral accomplishment and sense of social responsibility.

Keywords: University library; Three-dimensional network ideological and political platform; Matrix building

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1. The purpose of building a three-dimensional network ideological and political platform matrix

The matrix construction of three-dimensional network ideological and political platform refers to the transformation of the service form of university libraries from traditional paper books to digital and networked, and the construction of a three-dimensional online learning platform, which organically combines services in learning, life, culture and other aspects to form a complete learning ecosystem. On this basis, ideological and political education is integrated into library services, and through advanced means and management mechanisms such as network technology, students are guided to correctly establish their outlook on life and values, and enhance students' ideological and moral accomplishment and sense of social responsibility, so as to adapt to the development requirements of the new era ^[1].

2. The core content of the matrix construction of the three-dimensional network ideological and political platform

The emergence of the matrix construction of three-dimensional network ideological and political platform for university libraries is an innovation and upgrade of traditional library services, which can provide students with more convenient and rich learning and ideological and political education resources, help students grow into talents, and also provide new ideas and means for the development of ideological and political work in colleges and universities.

Specifically, the core content of the matrix construction of the three-dimensional network ideological and political platform of university libraries includes the following aspects:

(1) Digital library construction: Transform library services from traditional paper books to digital, build a digital library, provide online book lending, online reading, literature retrieval and other services, and provide students with more convenient learning resources ^[2].

(2) Construction of online learning platform: Use network technology to build a comprehensive and diversified online learning platform, organically combine services in learning, life, culture and other aspects to form a complete learning ecosystem. Students can conduct online learning, online communication, online evaluation and other operations on this platform to achieve the goals of online education and online learning .

(3) Construction of ideological and political education platforms: Integrate ideological and political education into library services, build an ideological and political education platform, and provide students with convenient ideological and political education resources. On the platform, ideological and political courses, ideological and political lectures, ideological and political salons and other activities can be set up to guide students to correctly establish their outlook on life and values, and enhance students' ideological and moral accomplishment and sense of social responsibility.

(4) Social platform construction: Build a social platform to provide students with a platform for online social interaction and online communication. Students can establish social relationships on this platform, share learning experiences, exchange ideas and opinions, enhance communication skills and interpersonal relationships, and improve their overall quality.

3. The difficulties and solutions of the matrix construction of the three-dimensional network ideological and political platform of university libraries

At present, universities at home and abroad are actively promoting the research and application of three-dimensional network ideological and political platforms, and have achieved a series of research results and experience. However, there are still some problems and difficulties.

3.1 Data security issues for the platform

The construction of the matrix of the three-dimensional network ideological and political platform of university libraries involves a large amount of education and teaching and student information, and the data security issue of the platform is very important. However, there are still some difficulties in the data security of the platform, for example, the data sharing and exchange methods of the platform are not secure enough, and the password security of the platform is not high enough. Therefore, it is necessary to pay attention to the solution of data security issues in the construction of the platform, and adopt more advanced data encryption technology and data protection measures to ensure the data security of the platform .

3.2 The content richness of the platform

The matrix construction of the three-dimensional network ideological and political platform matrix of university libraries needs to provide rich and colorful ideological and political education content, but there are still problems in the content richness of the current platform. The ideological and political education content of some platforms is not of high quality, lacks pertinence, and cannot meet the needs of students. Therefore, it is necessary to pay attention to the innovation and optimization of ideological and political education content in the construction of the platform, improve the quality and richness of content, and better meet the needs of students.

3.3 Technical problems with the platform

The construction of the three-dimensional network ideological and political platform matrix of university libraries requires the use of advanced technical means to support the operation and management of the platform. However, there are still some problems with the technology of the current platform, for example, the response speed of the platform is not fast enough, and the stability and security of the platform are not high enough. Therefore, it is necessary to pay attention to the solution of technical problems in the construction of the platform, adopt more advanced technical means to support the operation and management of the platform, and improve the performance and stability of the platform.

3.4 Management issues of the platform

There are still some problems in the current management mode of the platform, for example, the managers of the platform lack professional ideological and political education knowledge, and the management process of the platform is not clear enough. Therefore, it is necessary to establish a scientific and effective management model and improve the management quality and efficiency of the platform.

4. The path and method of matrix construction of three-dimensional network ideological and political platform for university libraries

The construction of the matrix of the three-dimensional network ideological and political platform of university libraries is a complex system project, which needs to be comprehensively planned and promoted in an orderly manner. In terms of construction

paths and methods, it is necessary to start from the following aspects.

4.1 Build a three-dimensional network ideological and political platform

The core of the matrix construction of the three-dimensional network ideological and political platform of university libraries is to build a three-dimensional network ideological and political platform. This platform needs to integrate various resources, including ideological and political education, literature resources, network resources, etc., so that students and teachers can obtain comprehensive information and resources on one platform, and integrate various forms of educational content, including traditional classroom teaching, online teaching, MOOC, etc., to meet students' different learning needs. At the same time, the platform also needs to be visual and interactive to improve user experience and engagement.

4.2 Optimize the content of ideological and political education

By optimizing the content of ideological and political education, we can improve students' ideological and political quality and further raise the level of ideological and political work. In the optimization of ideological and political education content, it is necessary to pay attention to the innovation of educational content and provide students with more targeted educational content.

4.3 Establish personalized learning archives and evaluation systems

University libraries can use big data technology to establish personalized learning archives and evaluation systems, analyze and mine students' learning situations, interests and hobbies, etc. by using machine learning algorithms, provide students with personalized recommendations and services, and provide evaluation feedback to improve students' learning effects and satisfaction.

4.4 Strengthen data security management

The construction of the matrix of the three-dimensional network ideological and political platform of university libraries needs to pay attention to data security management to ensure the personal privacy and information security of students and teachers. In terms of data security management, it is necessary to strengthen technical means such as data backup and recovery schemes, encryption and storage schemes, authority management and audit schemes, and establish a sound data security management mechanism.

4.5 Adopt advanced technology means to support platform construction

The construction of the matrix of the three-dimensional network ideological and political platform of university libraries needs to adopt advanced technical means to support the construction of the platform. For example, artificial intelligence, cloud computing, big data and other technical means are used to improve the intelligence and automation level of the platform. At the same time, it is also necessary to pay attention to the openness and interconnection of the platform, providing interfaces and open APIs, so that the platform can exchange data and share information with other systems .

4.6 Establish and complete management systems and assessment mechanisms

The construction of the three-dimensional network ideological and political platform matrix of university libraries needs to establish a scientific and effective management model, including the planning, organization, implementation and evaluation of platform construction. In the construction of the management model, it is necessary to clarify the responsibilities and tasks of each position. Ensure the stable operation and quality service of the platform.

To sum up, the implementation of these methods can help university libraries build a complete set of ideological and political education platforms, meet the diversified learning needs of students, improve the comprehensive quality and ideological quality of students, and promote the comprehensive development of colleges and universities.

In short, the construction of the matrix of the three-dimensional network ideological and political platform of university libraries is a complex and challenging project, which requires the cooperation and efforts of many aspects. Through active exploration and practice, and constantly improving and optimizing the contents and services of the matrix construction of the three-dimensional network ideological and political platform, we can continuously improve the service quality and level of university libraries, promote the all-round development of students, promote the informatization construction and cultural construction of colleges and universities, and promote the harmonious development and modernization of society .

References:

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