Strengthening the Construction of Digital Course, Promoting the Innovation of Teaching Mode in University

Yun-Li CHENG
Department of Electronic Information Engineering, Guangzhou Nanyang Polytechnic, Guangzhou, Guangdong, China
767220031@qq.com

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Abstract. Digital resources are the necessary conditions for the implementation of educational information. Nan Yang Polytechnic insists on the development of digital curriculum resources and teaching reform, To highlight the characteristics of professional courses and skills oriented, Based on the digital campus network platform, Taking the learning activities as the main line, the development of a "dynamic" network course, The digital curriculum resources with good interactive and sustainable development have been constructed, and the representative teaching model. It can effectively improve the quality and effect of classroom teaching, and accelerate the process of digital teaching.

Introduction

"13th Five-Year Plan" during the pace of China's industrial restructuring to accelerate the impact of the wave of information under the current teacher education personnel training model and the need for social docking. It is based on this background, Nanyang Institute of Technology adhere to the digital curriculum resources construction and curriculum teaching model reform simultaneously, based on 4A network teaching platform to help teachers manage teaching activities, the accumulation of teaching resources, display teaching results, improve teaching quality, encourage and guide teacher education Should be from the "appropriate teaching" model to "school" model change [1]. The digital curriculum system not only provides the learners with a lot of teaching resources, but also creates a platform for teachers to teach, exchange, share and skill display.

Rely on Digital Campus, the Integration of Existing Digital Curriculum Resources

The Foundation of Digital Courses

The use of digital campus platform can build efficient and easy to use interactive network teaching system, expand the teaching space, and provide the development of digital curriculum resources, a good time and a broad stage. The course is based on the concept of "vocational education", which is based on the concept of vocational education, which is based on the course of the network, that is, the content of the course and the future work of the students, making full use of the advantages of cyberspace, and the mature technology, norms and processes of the industry Basic content, a clear teaching objectives, teaching content, teaching objects, teaching activities design, teaching environment design, teaching evaluation design, and can be updated according to the development of industry enterprises. Digital courses for teachers and students to build a personal network of learning space, so that learning resources infinite rich, and can make full use of debris time, to promote teaching and learning, teaching and teaching[2], learning and learning full interaction.

Integrate Existing Digital Curriculum Resources

Digital curriculum construction has a clear goal, must be with the students in the future job tasks to achieve seamless convergence. And as an opportunity to help teachers comb, integrate existing curriculum resources so that students can in a large number of curriculum resources and learning
content to achieve a rapid jump between. The traditional teaching resources into the network curriculum, resource library, works collection, examinations, student electronic portfolio and other digital curriculum resources and Internet access, requiring resource construction and resource applications both emphasize on teachers in the teaching process to accumulate and use of digital curriculum resources, Combined with the application, to promote the curriculum teaching and curriculum resources accumulation and management, in the teaching process to form the teacher's own teaching resources, teaching results. To promote the sharing of teachers and students online to play, to play the initiative and enthusiasm of students, students learning results become a small and important part of the curriculum resources and highlights.

**Quality Curriculum as the Core, Construction of Professional Courses on the Same Stage**

Many institutions usually take the "all courses together" approach has been the same, Nanyang Institute of Technology using "to point line, to the line with the way" way to implement the construction of digital curriculum resources. To focus on quality courses, core courses and special courses, as a demonstration course, play a brand effect, drive the construction of ordinary courses to achieve all kinds of courses on the same stage of construction and display, enrich the digital curriculum resources, accumulated high quality teaching resources, Resource structure, to achieve the open and sharing of network teaching resources. Has a "computer application foundation", "C++ program design", "graphic image processing", "MYSQL database technology" and a number of courses to become provincial quality courses.

**The Mixed Teaching Mode Based on Digital Course Resources**

The construction of digital courses should take into account the future trend of basic education reform and development, pay attention to the construction of high-quality digital courses, teachers should be based on student knowledge and ability to develop the needs of well-designed, designed diversified, personalized learning path for Student choice. The mixed learning model as the main mode of teaching and skills training at the core.

"**Student-Centered**" Teaching Reform and Innovation

With the Mu class, a large number of micro-classes there, many places have set off a "flip classroom" reform boom. Relying on a wealth of digital curriculum resources, school teachers to students as the main body, learn activities as the main line and carry out various types of mixed teaching applications, in-depth exploration of new models of network-assisted teaching. Digital curriculum resources application of the new method deepens the curriculum teaching content and methods of reform, and promotes the teaching model innovation. The teaching model reform, which focuses on learning activities, emphasizes the design of teaching activities in the center of learning activities, the design and development of multidimensional online learning activities, and the development of the curriculum and the application of digital curriculum resources to play the subjective initiative and subjectivity of scholarship. In the process of effective network interaction, interaction between teachers and students and resources, students develop learning, practice and innovation ability [3].

**Explore the Vitality of Digital Curriculum Resources with "Online Learning Activities"**

To improve resource utilization and sharing, school teachers and students through online learning activities, to achieve interaction between teachers and students, students and students interact with teachers and students. Student-oriented, according to professional characteristics and curriculum design rich and colorful online learning activities, combined with the activities of the development of a wealth of digital curriculum resources in the implementation of the activities of the process to enhance the effectiveness and vitality of resources. The collaboration between teachers and students to protect the sustainable development of digital resources, enhance the vitality of digital courses, improve the enthusiasm and interest of students. In recent years, online education began to sweep the world, "University of China MOOC" and "love course" online a large number of teachers
education courses [4], if the institutions of higher learning can be considered Mu students, will love to learn and learn to save students plenty of time.

Make Students Become the Protagonist of "Online Learning"

The model is conducive to the systematic and efficient transmission of knowledge, but the initiative of student learning is deprived, the students' individual learning needs can not be met, the development of students' personality specialty is limited, the cultivation and practical experience of students' innovative ability can not be implemented. Especially in the ever-changing technological innovation today, the function of education into the wisdom of students enlightenment and innovation ability. In the digital campus environment, the "school" model makes the students gradually from the teacher center freed; students began to become the protagonist of learning, only independent learning students to adapt to the rapidly changing modern society, learners will automatically refresh their knowledge system [5]. Some students hope to take more time for the study of professional courses, if the teacher education theory module courses gradually become digital courses, students can complete through online learning.

The Construction of Digital Education Curriculum Environment for Teacher Education

Strengthen the Technical Support of the Teacher Education Network Community

Teacher education network community is the birth of educational wisdom of the new territory, in this online community each person to contribute their educational point of view, classic reflection, teaching video, handmade works. These generating resources become a new way of wisdom and inspiration; teachers should pay attention to students' education practice video, try video collection, sharing, evaluation. A large number of digital tools can be used to support collaborative learning and research learning activities in teacher education programs, the increasing availability of mobile media technology, and the media creation and sharing of new levels. With the continuous enrichment of mobile media applications, students use WeChat, QQ, Snap Chat and other software to take pictures and record small video used to present their teaching story. Under the support of technology, the teaching of teacher education curriculum should be changed from theoretical teaching, experience instilling to interactive teaching based on network platform, from teacher center to student center, from passive learning mode to active learning mode.

Using Digital Campus to Create Teacher Education Digital Classroom

Digital campus has a wealth of resources, while the network is an important platform for teachers and students to communicate, the network or students innovative thinking training of the main places. Teachers colleges and universities should start from the student's point of view to build convenient, cheap way of wireless Internet access, so that students can access information resources anytime, anywhere. In September 2015, the Beijing Normal University Wisdom Learning Research Institute released the "2015 China Wisdom Learning Environment White Paper" to explore the wisdom of learning and learning environment, digital campus, classroom environment, the relationship between business universities, and wisdom learning industry growth and pattern [6]. The construction of the digital campus is the foundation of the digital classroom. The information center of the university is liberated from the entertainment service. The new technology is used for the study and study of the students. The construction of the digital learning environment and the construction of the resource service system are meticulously planned. Digital classroom can effectively support student learning, innovation and teaching methods change, expand the school's campus space-time dimension, enrich the campus culture and optimize teaching, teaching, management and service process.

Create a Platform for Teacher Education Curriculum Network Interaction

Internet interactive platform is based on the Internet based on the network teaching to provide comprehensive support services for the general term for software systems. A complete network interactive platform should be composed of three systems: online curriculum development system,
online teaching support system and online teaching management system, respectively, to complete the network curriculum development, online teaching implementation and network teaching management functions. Network interactive platform is to become students, teachers, teaching content of the link, through the interactive platform to achieve the teachers and students, between students and students of information exchange [7]. The process of their exchange can be face to face, it can be online communication, both real-time and non-real-time. Through the network interactive platform teachers can design content into a project or task, so that students to explore and collaborative activities, such as teaching design, education, teaching aids design.

**Conclusion**

The digital curriculum system creates a new environment for teachers' education, experience, communication and sharing. The digital curriculum system not only provides a large amount of teaching resources for learners, but also creates a platform for learners to communicate and demonstrate skills. The digital curriculum environment advocates democracy, openness, inquiry, collaboration and pluralistic teaching idea. The new teacher education mechanism should pay attention to the simultaneous construction of students' knowledge system and ability structure. In the digital curriculum environment, the elite colleges and universities should focus on the construction of digital teaching resources, to the ability to guide the purpose, to explore the theme, project, task teaching model. Teachers should pay attention to the students through mutual cooperation to enhance the critical thinking ability, to promote teacher education curriculum teaching from the maintenance to the creative change.

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