

Research on Teaching Model Based on Cloud Platform of Big Data

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ABSTRACT

In recent years, the arrival of a large number of students in the era, the enormous shadow of the birth of education in Japan. Schematic. Mathematical education Unflattering appearance, inconveniently provided by students Individualized lessons and better academic lessons, reductions to a certain degree of improvement Students' lessons Related architects, lessons, lessons, education, big data, scholars, scholars, scholars, scholars, scholars, and scholars. At present, China attaches great importance to the education of colleges and universities. For the development of informationized education in colleges and universities, the Ministry of Education proposed to adopt the teaching method of big data and cloud platform to improve the teaching level, promote the continuous renewal and development of the traditional education model, and integrate the advantages of online teaching. The integrated "cloud platform education model combining online and offline" will be taken as the current normal teaching model. In order to improve the teaching quality, we should timely change the educational concept of colleges and universities and realize the informationization teaching as soon as possible. Under the direction of big data information technology, the educational barriers between colleges and universities will be broken, and the true sharing of educational resources will be realized, and ultimately the favorable development of higher education in China will be realized.

Keywords: *Big data environment, Cloud platform, Research on Teaching Model*

1. INTRODUCTION

Arriving social sciences horizontal elevation, traditional model of the temple, students of the lawlessness, the demand for knowledge, teaching ability, exploration, high efficiency, and taste Noboru Kyokai Kai Stage, "Large Exhibition Fist Leg" under the new teaching model. New teaching model Shosho-do division line upper and lower two individual parts, passing large numbers, analysis, etc. The most suitable analysis of the students, the most suitable study plan for the students, the high academic efficiency of the students, and the position of the main body of the students. Uninterrupted development of arriving science and technology, completion of the advancement of our country, completion of the large number of scholarships, completion of this one technology. This is a model of learning, which is a model of learning, and a model of learning, which is a model of learning. Education Unhiradai is in the background of this sample, and is provided by other students. Individualized academic body and software. Teacher's High School Education Efficiency Waji Hiradai User Service.

2. APPLYING BIG DATA TO SEEK NEW BASIC IDEAS FOR THE DEVELOPMENT OF UNIVERSITY TEACHING MODE

Department of education in our country was put forward in April 2014 the informationization teaching guidance, once the big data environment education teaching mode is defined as a new type of teaching model, this model can effectively will be the development of modern traditional education model is updated, the work of higher education teaching on the large data information technology development, Thus, an online cloud platform for sharing education and teaching resources is built. This content can constantly promote the development and transformation of educational concepts, make the funny education more and more in line with the personal development of students, and effectively carry out the daily management of colleges and universities. In the information age of big data, a large number of effective data are needed for specific operations. This includes three aspects: 1) the source of big data information must be the data collected in every

grade and class in the university; 2) The application of big data in the specific teaching process; 3) Whether the main information of the collected data and its significance can be applied to the current basic framework of education. These contents include three aspects of data information collection, processing and analysis and concrete application.

2.1. Data and information collection

In the current model of effective education, the process of information collection mainly consists of four parts: 1) the students education related to information collection, students' learning situation for new type of teaching mode is one of the most important data, related to the college students and teachers in colleges and universities, such as staff basic information, as well as in the state of personnel in the process of normal teaching and learning process can provide effective help for large data information technology; 2) In terms of the materials of the course, the required textbooks, materials and test contents of each course, including the information of a number of professional courses, involving many aspects such as practical courses, theoretical courses and experimental courses; 3) Basic educational data about schools, namely a series of data generated in the process of school management based on the rules and regulations of the Ministry of Education; 4) Basic educational information in terms of national policies refers to a large number of education-related information resources generated by universities in different regions and regions of our country. A lot of useful information can be obtained through the use of these resources.[1]

2.2. Processing of data information

In the current college education, most of the data obtained by big data information technology tend to greatly increase the difficulty of information data processing due to the variety and large amount of data. Big data format conversion, sorting and classification and other data processing work need a lot of manpower and material resources, which makes the efficiency of the traditional network teaching mode greatly reduced, cannot effectively give play to the advantages and advantages of network technology in teaching. Therefore, it needs to be improved: 1) make full use of data to enter the computer library

To synthetically collate and process the data; 2) Collect and process the data in the Internet by using the spider network technology of computer; 3) Use the distributed structure of the computer to store a large amount of data information, so that the information data can be effectively stored, can be quickly read and utilized.[2]

2.3. Data analysis and processing

Comprehensive analysis and processing of big data information is very important in data analysis. Big data analysis is carried out on the education cloud platform from all directions and multiple perspectives. The main tasks of data analysis are as follows: analyze and process data in the Internet, complete data mining of big data, and finally carry out visual data calculation. This can be done using a variety of methods: difference analysis, simple regression analysis and curve analysis.[3]

2.4. Application of information data

Through the comprehensive analysis of the data, a large number of valuable information can be obtained. How to apply these materials to the daily teaching process and students' learning can effectively promote the change of learning content and the development of learning mode. At present, the country attaches great importance to student learning, uses the teaching method of big data + cloud platform, improves the teaching level, promotes the continuous update and development of the traditional education model, and integrates the advantages of network teaching. The integrated "online and offline cloud platform education model" will standardize the current teaching model. It is necessary to change the educational concept of colleges and universities in time, realize the informationization teaching as soon as possible, and improve the teaching quality. The data in the teaching process of the teachers are retrospectively calculated, so as to obtain the quality analysis of the classroom teaching process, accurately find out the key points of the development of the information teaching model, and effectively improve the level of the relevant teachers. It can realize the important task of teaching with the pan-head under the current big data background. Through the use of relevant computer technology as a foundation, can be educational activities and other aspects of the data change processing, the use of relevant data analysis processing results, simulation of the most appropriate problem solving methods. Through the application of information and data, learning resources are managed, mutual utilization of resources is realized, and the cloud platform teaching mode under the background of big data is finally constructed.[4]

3. UNDER THE BACKGROUND OF BIG DATA ENVIRONMENT, HOW TO EFFECTIVELY CONSTRUCT THE INFORMATION-BASED TEACHING MODEL OF COLLEGES AND UNIVERSITIES

under the background of big data, we need to based on the information of the large data, gradually build up a new modern applications "Internet +" to the teaching of students, change the traditional teaching model of the

non-computer majors, let the students to acquire knowledge of ways to become more vivid and concrete, teachers through change our education ideas, innovative teaching methods, Scientific use of the Internet platform to collect teaching materials, for students to bring vivid experience of the course, stimulate students' interest in learning, promote students to learn the course knowledge. Through the application of the Internet platform, teachers can show some abstract knowledge points to students in the form of pictures or animations to promote students' understanding. In the traditional teaching mode, teachers mostly rely on textbooks to carry out teaching tasks, and students' knowledge acquisition process is rather boring, so it is difficult to stimulate students' interest in learning.[8] Through the application of the "Internet +" platform, teachers can make the text on the textbook "alive". For example, in the explanation process of some experimental courses, teachers can use the Internet platform to collect some video materials. The development of modern information technology and the use of the Internet platform, make teachers and students on knowledge acquisition is more efficient and convenient, to a certain extent, promote the students' understanding of knowledge and learning, so the teacher for the effective use of "+" Internet platform to have a very good role in promoting students' learning and teachers to explore and research by constantly, Make full use of the advantages of "Internet +" platform to create favorable conditions for students' learning and promote students' learning of course knowledge.[5]

To realize the education model of big data and cloud platform, first of all, schools should actively adopt the online classroom teaching model. Through the relevant network teaching platform, we can obtain the relevant data resources of students' learning, homework, experiment and other links. Based on the learning process and trajectory reflected by these resources, we can fully analyze them, and then develop a personality education system that is more in line with students' characteristics and learning needs. It is necessary to improve teaching methods. Secondly, big data and cloud platform are added to the current teaching model to further develop the teaching.[9] This requires universities not only to manage students' daily life and study, but also to strengthen the construction of internal basic network facilities, provide the corresponding platform binding equipment, strengthen the quality improvement of campus network, and provide students with the conditions for learning anytime and anywhere. In the current well-constructed big data background, the relevant cloud platform can be used to download and use relevant learning materials anytime and anywhere. Can through the study of students on the platform to browse data concluded that students are faced with the problem of classification, sum up summary to students, to help the students to find their own shortcomings and short board, can be targeted plan accordingly, let the students to understand their own

learning characteristics, push the corresponding learning materials in a timely manner. For example, if a student searches a lot for a certain high number of content, it may indicate that the student is not clear enough about the knowledge point. Therefore, the platform will push the corresponding high number of knowledge to students based on the conclusions drawn from the big data.[6]

Create a good informationized teaching atmosphere. The use of big data can better understand the learning needs of students, and the cloud platform can create a good online learning atmosphere for students and provide high-quality teaching resources for students. The cloud platform can offer the downloading of the recorded videos of the courses, so that students can learn the relevant content at any time.[7] Open online courses allow students to enjoy more educational resources. Teachers should also open corresponding communication opportunities, so that teachers can exchange teaching experience, give full play to the role of the network, and show the strong support of cloud platform for education. At the same time, the whole learning process of students should be summarized and recorded, so that students can accurately and intuitively find their own changes, so that students can promote self-adjustment, can effectively supervise students to study well. At the same time, tracking detection should be carried out for students, and knowledge content pushed should be changed in time according to their age growth, so that students can effectively grow up. After the completion of the school's educational tasks, students will be pushed related interesting activities, so that students can form a network learning community according to their personal interests, so that the knowledge exchange becomes closer. The application of big data and cloud platform has many benefits. We should actively adapt to the development and change of society, constantly change the current education model of colleges and universities, and strengthen the utilization of educational resources in MOOC platform to realize the sharing of educational resources.[10] The construction of big data and cloud platform in universities is of great significance. Schools can optimize the online teaching model on the basis of the construction of teaching and learning platform.[11] Only by combining the advantages of cloud platform and big data can the disadvantages of the current traditional network education model be changed in essence. Using the network teaching environment of big data and cloud platform, we strive to make every participating student can enjoy high-quality educational resources and communicate with students from famous universities.[12]

4. CONCLUSION

To sum up, the current state attaches great importance to the corresponding teaching strategies under the cloud platform of big data, and universities are actively

exploring relevant teaching models. This paper analyzes how schools use cloud platform and other information technologies to constantly update their teaching models in the era of big data. The high efficiency of big data in information processing and the advantage of data processing can be used to assist the continuous optimization and development of the teaching model. It can provide high-quality learning services for students, and at the same time, it can also supervise the learning of students in the learning process, thus providing development energy for the vision of higher education in China.

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