Innovative Research of Full Informational Teaching Mode under Mobile Internet Cloud Teaching Platform

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ABSTRACT

Under the background of information society, the mobile Internet, cloud computing, big data, artificial intelligence and internet of things becoming more important, in response to the urgent need of the society for innovative talents, the traditional teaching mode is "imparted by knowledge, Teachers as the center "has not adapted to the practical teaching problems, through the research and practice application of the mobile Internet cloud teaching platform-Mosoteach of various functional sections, put forward a comprehensive framework of teachers and students based on mobile Internet cloud teaching platform Interactive teaching mode, this model is based on action-oriented task-driven innovation-based O2O (online to offline) teaching mode, the purpose is to promote the cultivation of self-learning ability, self-learning ability is to cultivate innovative talents a factor. At the same time for the implementation of a comprehensive information technology teaching reference.

KEYWORDS

Self-learning, mobile internet cloud teaching, full informational teaching mode, O2O teaching mode.

BACKGROUND OF PROPOSING FULL INFORMATION TEACHING MODE UNDER MOBILE INTERNET CLOUD TEACHING PLATFORM.

The new era of mobile Internet technology, cloud computing technology, big data technology, artificial intelligence technology, Internet of Things technology has become the mainstream of the information society, the community's demand for innovative talents more and more urgent, and the traditional "knowledge-based, Teacher-centered" teaching model has not adapted to the model of innovative personnel training.

Mobile devices, especially mobile phones, are in the hands of every student and are much sought after by students. Divided into two, the phone can also be reasonably into the classroom. The phone how to enter the classroom has become a reasonable teaching one of the teaching and research topics.

Based on the above problems, this paper puts forward a kind of mobile-based cloud-based teaching platform based on action-oriented task-driven Information innovation O2O (online to offline) teaching mode, through a full range of interactive activities of teachers and students to stimulate student interest in learning and promote...
self-learning ability of college students to promote students to create thinking, the generation of critical thinking. Help improve the quality of personnel training, to achieve student-side, school-side, enterprise-side interoperability intelligent information technology teaching.

DESIGN IDEA OF FULL INFORMATIONAL TEACHING MODE UNDER MOBILE INTERNET CLOUD TEACHING PLATFORM

a). About Mosoteach. Launched on November 20, 2014, Mosoteach [1] are the first classroom interactive mobile APP software in China, driving the development of the entire IT industry. Fifteen months after the platform went live, another similar platform was born after February 2016. Technology Innovation and Leading Mosoteach is the only mobile Internet cloud teaching platform in China that can provide classroom teaching of big data. It is also the only mobile Internet cloud teaching platform that already has the function of initial artificial intelligence. Become a big data era, teachers’ empirical research classroom teaching behavior of big data research and analysis platform.

b). The essence of Full Informational Teaching Mode under Mobile Internet cloud teaching platform. Mobile Internet cloud teaching platform for full information technology teaching mode is essentially one of the forms of flip classroom. Flip classroom is based on the network information-based teaching environment to students as the center, emphasizing the problem center, to promote innovative integrated mode of inquiry. Through the teaching of the order of knowledge transfer and knowledge internalization, the teaching mode of changing the role of teachers and students in traditional teaching and re-planning the use of classroom practice is proposed. [2] Flip classroom is more from the classroom teaching efficiency [3], immersion [4], teaching satisfaction [5], and many other aspects to improve teaching effectiveness, Bergmann, Overmeyer, Willie (2011) thinks flip classroom also helps to increase teacher-student interaction, develop students' good self-learning ability and lifelong learning habits. [6] Flip classroom research is also much more scholars. Such as a four-stage model of a ring-shaped flip classroom by a foreign scholar Justin [7]. Flip classroom model by Tauber [8], foreign scholars Zhang Jinlei [2] flip special classroom teaching model and Zhong Xiao Liu's [9] Tai Chi ring flip classroom model.

c). Design Idea of Full Informational Teaching Mode under Mobile Internet Cloud Teaching Platform. Information technology teaching mode is divided into three stages, that is, before class, online teachers and students interactive learning tasks, the class time to complete the task according to the teaching environment, online submission of the task of evaluation of online to offline online mixed teaching mode, after class After the hand-over teachers and students to expand learning tasks. The three stages form a spiral rising closed loop. Figure 1 is a full information-based teaching mode of three stages model.

Full information teaching mode flip classroom is based on the "action-oriented, task-oriented, knowledge and practice of unity" concept design teaching. Through the heuristic teaching method, task-driven teaching method, the role of exchange teaching method and other teaching methods of organic combination of teaching. Pay attention to students' learning process training. Figure 2 is a mobile interactive cloud teaching
platform based on action-oriented task-driven interactive design of teaching and learning students and teachers.

![Three stages model of full information teaching mode.](image)

**d) The assessment method of Full Informational Teaching Mode under Mobile Internet Cloud Teaching Platform.** Mosoteach, a mobile Internet cloud teaching platform, will provide a comprehensive record of the teaching process, so the results of the course assessment will be based solely on the summary statistics of the cloud classes. Teachers in teaching design based on teaching objectives designed to weight. The end of the traditional classroom teaching process evaluation opaque, tedious accounting time, students earn experience by participating in a series of activities, ranking real-time dynamic updates, effectively enhance student interest in learning and initiatives. Teachers for teaching in the teaching of large data generated during teaching and research and timely adjustment of teaching activities.

**THE SIGNIFICANCE OF IMPLEMENTING THE FULL INFORMATION TEACHING MODEL UNDER THE MOBILE INTERNET CLOUD TEACHING PLATFORM**

**Help develop students' self-learning ability.**

Mobile Internet cloud teaching platform full informational teaching mode, to strengthen the pre-class after-class self-study, through a series of teaching activities designed by teachers training, students enhance their ability to learn independently, enhance self-education and mutual assistance education, especially for vocational students Self-learning ability to enhance awareness of proactive.

**Help develop students' innovative ability.**

Mobile Internet cloud teaching platform under the full informational teaching mode, students’ fully autonomous learning time, compared to the traditional classroom inquiry learning to enhance, you can give full play to students' innovative thinking and innovative ability.
Help develop students' communication skills and coordination skills.

Under the mobile internet cloud teaching platform, the full informatization teaching mode is student-centered, action-oriented and mission-driven. In the process of completing the task, it needs full communication and coordination to complete. Therefore, the students' ability of communication and cooperation and coordination can be obtained Training and promotion.
Assist classroom teaching extends to the student enterprise jobs.

ideological education throughout the entire process of personnel training and education [10], to achieve the entire process of education, all-round education. After the completion of the student course study, the remaining classes will continue to exist in the post-pupil internship and even into the future jobs, if necessary, can continue to learn. Realize the student side, school side, enterprise-side interoperability intelligent information technology courses.

Help students improve their overall quality.

Under the mobile internet cloud teaching platform, the full informational teaching mode is adopted. Through the training of the three-phase model, students can improve their overall literacy through the completion of various teaching activities.

PROBLEMS AND CHALLENGES IN THE PROCESS OF PRACTICE

a). External factors such as lack of performance of mobile phone and instability of work environment network affect students' effective online learning to a certain extent.

b). Teachers require a wealth of teaching resources development capabilities. Teachers push the teaching resources to match the actual needs of students. The integration of teaching resources is clear and easy to learn the classification of students to facilitate the search.

c). Teachers have massive data analysis capabilities. Teachers should regularly carry out academic analysis according to the automatic statistics and summary data of blue ink cloud class and find out the problems to timely communicate and feedback.

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