

Practical Application of Informatization Teaching Tool "Super Star Learning " in the Teaching Process of Software Engineering Major Courses

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Abstract: In the background of the current information age, the teaching mode of "Internet+Education" has been gradually practiced and applied. Compared with the traditional teaching mode, assisted teaching and course construction with the help of various network platforms has great advantages. This project studies the practical application of the information technology teaching tool "Super Star Learning Channel" in the teaching process of software engineering professional courses, taking the front-end development technology course as an example, analyzing the characteristics of the tool in the application process, teaching resources construction, teaching implementation, teaching management, and exploring the practical teaching application.

Keywords: Informatization; Super Star Learning; Teaching Resources; Course Teaching.

1. Introduction

With the development of information technology, information technology has been integrated into all aspects of our life, in the field of higher education, the state attaches great importance to the reform of information technology teaching in higher education, and has introduced a number of policies to support and encourage higher education to carry out in-depth information technology teaching reform research. As teachers, we should also actively integrate informationization into our teaching, make up for the shortcomings of traditional teaching methods, lack of resources and low interactivity, and use information technology to serve teaching, so as to achieve better teaching results. At present, there are more research results on the reform of teaching informationization in education, and the use of informationization means in the teaching process of software engineering courses has a natural advantage. Therefore, it is of great theoretical and practical significance to study the implementation method of informatization teaching reform for software engineering majors, to integrate modern information technology with professional teaching, to improve the teaching effect, to cultivate the comprehensive ability of students, and to promote the quality of professional personnel training to meet the demand for talents in today's social development.

2. Informatized Teaching Tool "Super Star Learning "

"Super star learning" is a professional mobile learning platform for smartphones, tablet PCs and other mobile terminals. The platform is rich in functions and can basically cover the whole process of teaching, from the construction of courses, storage and sharing of teaching materials, teaching activities, teaching evaluation and so on, which can be accomplished on the platform. The platform has many learning resources, which can be collected and consulted. At present, there are learning resources such as mobile library, mobile museum, lectures by famous teachers, course square,

micro-reading, etc.; there are also more than one million e-books, a huge number of newspaper articles as well as metadata of Chinese and foreign literature, which are convenient for teachers and students to study anytime and anywhere; there are more learning tools, which are very convenient to use. At present, StudyTone has many learning tools such as student schedule, cloud disk, Daya weight checking, data searching, proficiency assessment, recruitment, etc., which can better serve teaching and learning; StudyTone is very convenient for teachers to carry out teaching work, and at present, there are teachers' schedules, demonstration teaching packages, screen casting, roll-call, signing in, whiteboard, live broadcasting and other intelligent teaching tools, which can provide convenience for teachers to teach in the classroom.

3. The Advantages of the Information Technology Teaching Tool "Super Star Learning " in the Teaching of Software Engineering Courses

For software engineering students, the long time in the learning and application of information technology, so that in the promotion and use of "Super star learning " tool as a means of information technology teaching in the acceptance and application of the ability to have obvious advantages. In recent years, under the influence of the new coronavirus epidemic and the call of the Ministry of Education for "stopping classes without stopping teaching, stopping classes without stopping learning", the use of "Super star learning " for online classes helps to promote the integration of information technology and professional courses. This tool has a wealth of support functions for both online and offline teaching. In the course of teaching, the software engineering courses are designed for informatization teaching, which helps to integrate informatization teaching methods with professional courses, expand the depth and breadth of professional courses through advanced information technology, implement reform of informatization teaching methods, use video, pictures, animation, games and other

information technology in classroom teaching, and fully mobilize the students through the use of the functions of the informatization platform such as signing in, polling, robbing, theme discussion, grouping and tasks, and fully mobilize the students to participate in the class. Through the use of information platform functions such as check-in, voting, quiz, thematic discussion, grouping tasks, etc., we fully mobilize students' enthusiasm and classroom participation, improve the dull atmosphere of the classroom, and make students fall in love with learning. Through the application of "Super Star Learning Channel" informatized teaching means and teaching methods, teachers can present the course content more intuitively and vividly. At the same time, the increased interaction and communication between teachers and students before and after class is also conducive to the consolidation of the course content, as well as the answers to the students' difficult questions, which effectively improves the teaching effect. "The informationized teaching means of "Super star learning " helps to improve the construction of informationized teaching resource base for software engineering majors and carry out the reform of informationized teaching, and the construction of resource base is an important link. Under the environment of "Internet Plus", the channels of obtaining teaching resources are richer and more diversified, and a large number of network resources can enrich the teaching resource base, and the forms of information resources are also more diversified.

4. Take "Front-end Development Technology" Course as an Example, Use "Super Star Learning " to Implement Course Teaching.

4.1. Establishment of Teacher Team

before the implementation of the course, it is very important to establish a teacher team, the establishment and construction of the teaching team is a collective cooperation process, aimed at improving the teaching level of the team members, and the common pursuit of the team's goals. In the process of teaching implementation, through continuous training and communication, team members work together to discuss teaching strategies and methods and get more ideas in course design. The establishment of the team increases the cohesion and trust of the team, and improves the effectiveness and quality of teaching. The "Super star learning " provides a simple way to build a team of teachers and share teaching resources among teams.

4.2. Share Course Materials

he second semester of the 2022-2023 academic year, the course "Front-end Development Technology" was implemented in the 22nd grade of software engineering major. The course is a compulsory course for software engineering majors, and it is also a course that combines theory and practice, and the objective of the course is to require students to have a certain degree of software development ability. The materials involved include PPT, syllabus, development tools, teaching cases, document manuals, etc. "Super star learning " provides powerful uploading and downloading functions of the course materials, which can be uploaded to the course "materials" for sharing by the teachers, and the students can easily access these teaching materials. Teachers can upload these materials to the course "materials" for sharing, and

students can get these teaching materials very easily.

4.3. Application of Auxiliary Teaching Tools

the teaching process, teachers can use a number of tools to assist teaching, for example: you can use the platform to launch a "discussion", "Super star learning " provides a "discussion" function, guiding students to the "discussion" function, the students can use the "discussion" function to guide the students to the "discussion" function. The "Discussion" function is provided by "Super Star Learning Pass" to guide students to discuss and learn about the topics. Including "Topic Discussion", "Group Discussion", "Free Discussion", to stimulate the enthusiasm of learning. "Super Star Learning Channel also provides the function of "homework", in which teachers can post homework for students to complete online. The types of assignments provided by the platform are very rich, and you can set the correct answers to the objective questions to facilitate the system to complete the correction of assignments, which greatly reduces the burden on teachers, and students can also view the platform to view the release of assignments, complete the assignments and check the results. "Super Star Learning Channel" also provides "exam" function, in the past two years, every issue of "front-end development technology" this course is through the platform to provide the "Exam" function to complete the final exam, "Exam" function provides a very large number of types of questions, can fully meet the needs of teachers, and very objective questions can be set up for the system to automatically complete the answer marking, which greatly reduces the burden of teachers. Study Pass also provides "activities", functions, including "check-in", "voting", "questionnaire", "Q&A" and other functions, enriching the teaching methods.

4.4. Teaching Evaluation

"Super star learning " has a very powerful means of teaching evaluation, the platform provides "statistics" function, including "class statistics", The platform provides "statistics" functions, including "class statistics", "resource statistics", "course report" and "course statistics", which greatly enrich the statistical requirements for teaching data of courses. Last semester, the "front-end development technology" course final evaluation of student performance, their usual performance, completion of homework, learning attendance, etc. are derived from the platform's data export.

4.5. Teaching Resources Construction

a quality course must be inseparable from a wealth of teaching resources, including: learning videos, textbook reference, lecture videos, test bank, classroom quizzes, course interaction, PPT courseware, student work, lesson plans, lesson plan design, etc., in the "Super Star Learning" platform can be a long-term construction and the use of the teachers' team construction of teaching resources. Teaching resources. Since the creation of the course "Front-end Development Technology", through the efforts of the teachers' team, there has been a very rich library, which facilitates students' independent learning and improves their motivation and learning efficiency.

5. Conclusion

With the help of the information teaching tool "Super star learning " in the software engineering major "front-end development technology" course teaching practice

application, teaching results are very good. Through offline learning combined with online attendance, online homework, online examination, online discussion, online learning materials sharing and other independent management and independent learning on this platform, students have stimulated their enthusiasm for learning. According to the characteristics of courses, students and platforms, teachers make full use of the advantages of online and offline to carry out differentiated teaching, providing solutions to some problems in teaching, which is of great practical significance and worth promoting.

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