Improvement of Bilingual Teaching in Big Data Analysis and Application Courses

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Abstract: From the current situation, there are still some problems in big data analysis and application of bilingual teaching, and there is great room for improvement. As long as colleges and universities can make improvements in terms of teachers, teaching materials, teaching methods, and teaching objectives, big data analysis and application of bilingual teaching will achieve better results. Bilingual teaching is an important criterion to measure the internationalization of teaching level in colleges and universities. The implementation of bilingual teaching in the teaching of big data analysis and application courses is of great significance for both talent training and discipline development.

Keywords: Colleges and universities; Big data analysis and application; Bilingual teaching

1. Introduction

In different countries and regions, bilingual teaching assumes different functions and goals. The main goals of bilingual teaching in colleges and universities in my country are to "strengthen the connection between ethnic groups and the outside world", "promote employment and improve status through foreign language skills", and "deepen the understanding of foreign languages and foreign cultures" [1] Therefore, in some minority areas Bilingual teaching has a strong function of assimilation and integration.

Bilingual teaching mainly refers to the teaching activities carried out using two languages as the medium of teaching. Therefore, the most common bilingual teaching in colleges and universities is the interactive use of Chinese and English, so that students can improve their ability to use foreign languages for questioning, thinking and communication while learning professional knowledge, so as to improve their professional foreign language level.

The country also pays more and more attention to bilingual teaching in colleges and universities. This is because, under the background of globalization, China is increasingly integrated into the world's political, economic and cultural systems, and exchanges with other countries in the world are becoming more and more close. Strengthen the bilingual teaching of big data analysis and application, and make use of the multidisciplinary nature of big data analysis and application, so that it has its own disciplinary advantages and characteristics in the practice of bilingual teaching, which is not only conducive to promoting the discipline of big data analysis and application The deepening development is also conducive to cultivating international talents with a broad vision.

2. The significance of implementing bilingual teaching in the course of big data analysis and application in colleges and universitie

The effective development of bilingual teaching is not only an inevitable requirement to improve the teaching level of big data analysis and application, and to further develop the discipline of big data analysis and application, but also the meaning of training compound and professional talents in the major of big data analysis and application in colleges and universities [2].

A.Improve the Professional English Level of Students

Today, as China is increasingly integrated into global affairs, as the most widely used international language, the importance of English proficiency has become increasingly prominent. It is true that college English courses also play an important role in improving students' basic English listening, speaking, reading and writing skills.

With the improvement of professional requirements of talent standards, in addition to basic language skills, it is also necessary to further improve the breadth and depth of professional knowledge and culture.

Big data analysis and application of bilingual teaching can enable students to improve their professional English level while mastering professional knowledge [3].

Big data analysis and application is a highly foreign-related subject. The implementation of bilingual teaching in this professional course will undoubtedly play an irreplaceable supplement and gain effect on the improvement of students' foreign language proficiency. The content of big data analysis and application teaching involves all aspects of big data related technologies such as Hadoop, hive, spark, base, flink, and storm.

Big data analysis and a wide range of teaching contents can further enrich students' vocabulary, bilingual interaction between teachers and students in the classroom can guide them to think in English, and the development of knowledge horizons can enhance their awareness of cross-technology and cultural communication.

B.Bilingual Teaching can Improve the Discipline Level of Big Data Analysis and Application in My Country

In the field of international big data analysis and application research, more than 90% of authoritative textbooks, core journals, and important works are published in English, and most international seminars in this field also use English as the language of communication. Therefore, the importance of bilingual teaching for the improvement of the whole discipline of big data analysis and application is self-evident [4].

The disciplinary level of big data analysis and application is mainly reflected in two aspects: teaching and scientific research.

Because of the strong foreign-related nature of big data analysis and application, teachers should strive to be in line with international standards in teaching. The big data analysis and application courses in colleges and universities can make domestic students synchronize with foreign students in terms of professional knowledge structure by introducing cutting-edge English original textbooks. In the process of teaching and learning, teachers' teaching ability will also be improved.

In terms of scientific research, through big data analysis and application of bilingual teaching, students can discuss and communicate with relevant foreign experts on some professional issues. With the in-depth development of the discipline, the exchanges between teachers and students of big data analysis and application majors in domestic universities and foreign experts will continue to increase.

3. The current situation and problems of big data analysis and application of bilingual teaching in colleges and universities

A.The Current Situation of Big Data Analysis and Application of Bilingual Teaching

At present, many colleges and universities with big data-related majors in my country have set up big data analysis and application courses as bilingual courses, and began to actively try a new model of big data analysis and application bilingual teaching. However, due to factors such as experience, teachers, and teaching conditions, it is still in the exploratory stage as a whole. Therefore, most of them focus on one or two courses, such as spark programming or python programming, rather than the entire professional course [5].

B.The Problem of Big Data Analysis and Application of Bilingual Teaching

In big data-related majors, more and more colleges and universities realize that big data analysis and application bilingual teaching is of great significance for cultivating big data-related professionals and deepening the development of disciplines, so they have opened big data analysis and application bilingual courses, and received to a good teaching effect[6]. However, some colleges and universities blindly set up bilingual courses on big data analysis and application regardless of the level of teachers and teaching conditions, which violates the laws of education [7].

This leads to the following problems in big data analysis and application of bilingual teaching.

(1).Insufficient teachers

(2). Simple teaching format

(3). Students' foreign language proficiency varies

(4). The teaching plan is not perfect

At present, the bilingual courses of big data analysis and application in many colleges and universities still use the past teaching plans, and it is difficult to maintain the same teaching progress and the same teaching capacity as in the original mother tongue environment under bilingual teaching conditions. Most teachers have to keep up with the school's teaching plan by compressing the teaching content and reducing the depth of explanation.

The form of large classes also restricts the effective development of bilingual teaching. The "Big Data Analysis and Application" class is generally taught in large classes, with the number of each large class ranging from nearly 100 to as few as more than 50.

4. Countermeasures to improve big data analysis and application of bilingual teaching in colleges and universities

Although there are many problems in big data analysis and applied bilingual teaching, as long as enough attention is paid to and corresponding countermeasures are taken, and efforts are made to improve the level of big data analysis and applied bilingual teaching, these problems can be effectively resolved, and finally a good teaching effect can be achieved. Therefore, colleges and universities should actively take countermeasures in the following aspects.

(1) Improve the ability of big data analysis and application of bilingual teaching, and strengthen the construction of teaching staff [8].

(2) Guarantee the quality of big data analysis and application of bilingual teaching, and promote the construction of bilingual teaching materials [9].

(3) Flexibly adopt appropriate teaching methods and make reasonable teaching plans.

(4) Improve the way bilingual courses are assessed [10].

(5)Updated bilingual teaching content

Conclusion

In short, big data analysis and application of bilingual teaching is a new exploration and attempt that has only appeared in recent years; bilingual teaching in colleges and universities is also a new teaching mode that has only appeared in China in the past ten years. The disciplinary nature of big data analysis and application determines the necessity and feasibility of implementing bilingual teaching.

The improvement and improvement of big data analysis and application of bilingual teaching is a systematic project and a long-term task.

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