On Vocational Education Stage Set up "Information Retrieval and Thesis Writing" Course

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Abstract. With the rapid development of science and technology, timely and accurate industry professionals get the latest knowledge and technology is particularly important, as part of vocational stage of higher education, students need to master information retrieval methods, and understand papers written specification, so higher stage creation of "information retrieval and thesis writing" this course is very necessary.

Introduction

"Information Retrieval and thesis writing" has long been considered the only postgraduate courses, but with the technological development and popularity of the Internet, many levels of students, including vocational education students also need to learn how to quickly and efficiently access to professional and accurate the industry's most cutting-edge of new knowledge, new technology and new methods.

Information retrieval is a means of access to knowledge, techniques, methods and techniques a strong theoretical and must be taught by a teacher familiar with the process, the combination of theory and hands-on practice. Higher education students need to graduate design or papers, so the structure of the paper and how to write papers that students must understand and master. Higher stage but there is little systematic curriculum to teach information retrieval and writing papers, resulting in graduation design phase a lot of problems arise, is not conducive to student learning and development follow-up, so the creation of this course is very necessary.

The Capital of Student Status quo of Higher Vocational Education

Capital of higher vocational education positioning highly skilled blue-collar and technical personnel, the reason why the employment rate of graduates each year can be more than some colleges, because they have the ability to combine theory and practical operation of the school has conducted several hours of practice operation, has achieved certificates related trades. However, the current level of theoretical knowledge of students of higher vocational education lacking, because the infrastructure is poor, the lack of learning, poor learning, not happy to learn, self-learning ability is poor, forming a vicious cycle, but the future of the workplace, how to make students able to talk We were on the development of the industry, access to cutting-edge technology? Our school, Beijing Polytechnic, took the lead in the "3 + 2" that BBMG secondary school and college to take over our school opened the "Information Retrieval and thesis writing" course.

The Implementation of the Course

"Information Retrieval and thesis writing" is divided into two parts, the first part of information retrieval technology is 10 hours, included in the scope of this part of the main teaching searchable database of several common characteristics, retrieval methods, given a particular area and direction for students actual operation, select the most to meet the requirements of the paper, you can also give them the freedom to retrieve that, according to their usual interest or bottlenecks encountered in learning to retrieve, to see whether to resolve the doubts of their own existence through the retrieved articles. Teaching venue is the school library room.

The second part is the 20 hours of thesis writing part, this part is to let students know theses steps and structures. First of all, you need a wide range of reading literature related articles, to understand the status of the technology development, deficiencies, which put forward their views and solution, or by other experimental simulation method to verify their own solutions, the real draw valid conclusions presented insufficient and prospects, in addition, the paper also includes a summary and key words in English, which requires refining capacity, and Technology English writing ability. Students wrote essays as the main targets of this course.

The Prospects of the Courses

Beijing Polytechnic as the backbone of school vocational education in Beijing, has been actively exploring new teaching methods and curriculum reform, now I have a school of "3 + 2" Cohesion vocational classes, as well as the first batch of high-end talent through culture classes students learn two years of high school courses, vocational courses to learn three years, to go overseas or domestic well-known university for 2 years, to obtain the undergraduate degree.

In addition, our school students vigorously innovate practice projects, namely cultivating students' innovative spirit, innovation and hands-on brain ability practical ability to focus and innovative practice, "Innovation Base" is an important carrier of teachers and students for innovative practice, relying professional teachers' innovative practice base ", with creative and practical ability to guide students to skills training, experimental exploration and technological innovation. By focusing on school funding 7-9 innovation practice base, and create conditions for college students' innovative practice, open experiment base, to ensure that students in a certain time and space to carry out innovative practices; by the selection of a high level of morality, strong innovation ability, engineering practice experience, having dedicated teachers as tutors innovative practices, the development of innovative practice project to ensure the smooth development of innovative practice activities.

Innovative Students can practice a variety of forms. Can be scientific research, may also be technology research, management innovation, innovative research of art, it can be a comprehensive and designing experiment to encourage students to publish papers, filed patents. Students learn at home and abroad to create outstanding examples, inspire innovation consciousness invention, breaking innovation mystery, the desire to stimulate innovation; through self-designed products, work and other activities, with the knowledge and function theory, principles, and configuration analysis and structure expression, and the design of products (works) modeling, physical and industrialization. Through innovative practices and training ability, students can get engineering practice and innovation ability. Students under the guidance of teachers, the establishment of "innovative practice group" students as the main project, and in the interest driven by a combination of independent topics of freedom, self-designed projects and programs, projects and programs complete autonomy, independent research and development, until concluding acceptance,

self-management projects and programs. 3-5 years, innovative practices funded about 250 projects. Students involved in student population of about 1,000 people, college students realize innovative practice normalization. These require students to have the ability to self-learning, the use of the library database resources can be great to meet and improve student learning.

Conclusions

Through the creation of "Information Retrieval and thesis writing" This course will further stimulate students' interest in scientific exploration, making it the ability to obtain the correct and efficient method for the follow-up into the undergraduate and post-employment self-improvement, to lay a good foundation for the development. Currently, there is no similar course basic vocational stage, at the undergraduate level and very few similar courses, so start this course at the vocational stage is a bold attempt to actively Beijing Vocational College of Electronic Science and Technology.

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