

Discussion on the Improvement Path of College Students' Computer Application Ability and Information Literacy

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ABSTRACT

The 21st century is an information world, college students are an important pillar of the future development of a nation, how to strengthen and improve students' computer application and information quality, will greatly promote the construction of China. As a new medium, new media has become the main way for college students to acquire knowledge. This paper studies the influencing factors and improvement strategies of college students' information quality, which is of positive significance for the training of university application ability and information talents, and the thinking innovation and path expansion of college students' computer application ability and information literacy development under the new media environment.

Key words: college students, computer use ability, information literacy improvement

1. INTRODUCTION

The skills of using computers has become an indispensable skill in current work and learning, which is a general skill unlike a vocational skill. Employers may spend a lot of time to familiarize new graduates with their professional skills. However, from the current situation, most enterprises lack personnel with certain professional skills and computer skills, therefore, they would rather fresh graduates immediately apply their ability to use computer skills to work. Therefore, it is very necessary to strengthen the students' computer use ability. Paul Zechowski, president of the American Information Industry Federation in 1974, proposed the idea of information literacy. Proper use can improve work efficiency and improve the quality of life; improper use

can not only reduce work efficiency, but also have bad effects on the society. In order to effectively use information morality, it is necessary to strengthen the cultivation of college students' information quality, standardize the information behavior of college students with information morality as a means, and create favorable conditions for creating a clean, peaceful and civilized information environment.

2. THE BASIC KNOWLEDGE OF COMPUTER APPLICATION ABILITY

Can be used in the work, non-computer college students must have the computer use skills, including four aspects. The main research idea of this paper is shown in Figure 1.

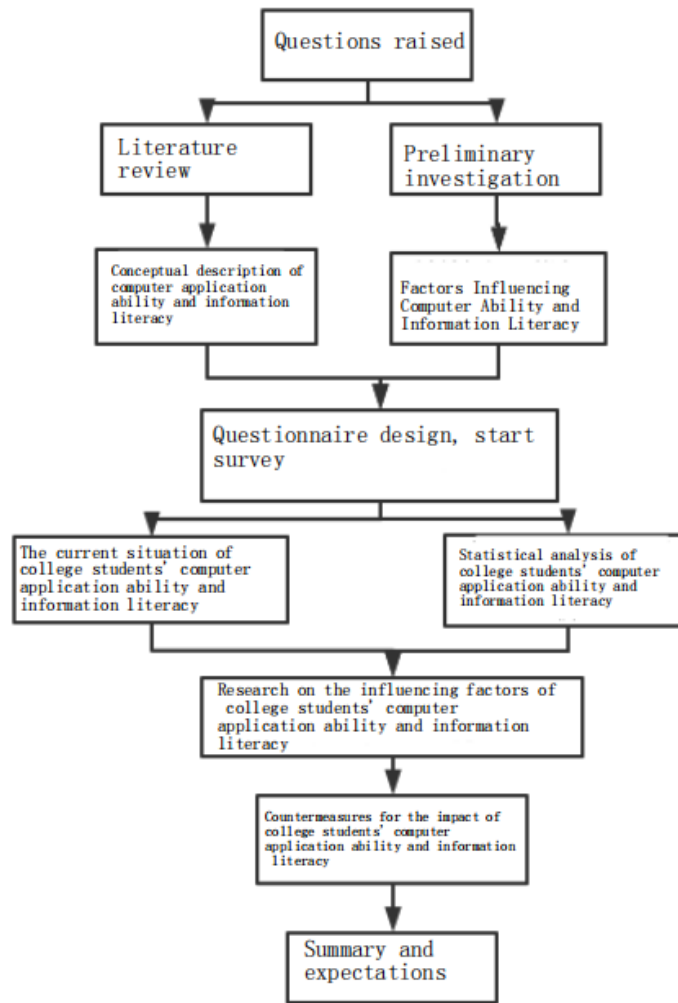


Figure 1 The data obtained in the survey were calculated using the multiple linear regression equation formula:

$$\frac{\sum_{i=1}^n x_1 y_1 \bar{x} \bar{y}}{\sum_{i=1}^n x_i^2 - n(\bar{x})^2}$$

2.1. General hardware knowledge

Although the number of laptops is increasing, many students will choose to buy desktop computers, but in the current situation, not many people can use laptops, and after not long, there will be more people to choose. Notebook maintenance work, most is done by the manufacturer, generally, no one to dismantle, because in that case, the seller will default. Desktop computers compared with laptop computers, have multiple connection points, prone to loose interface. Even if it is to repair, you can't move the whole computer to the repair shop, you first have to find the wrong parts. Therefore, the general hardware knowledge includes the connection

of computer components and the general fault determination. In my basic computer class, I often meet students who ask, "Why is my computer screen black?" There are so many such things, so college students should learn how to correctly judge normal problems, rather than easily find experts.

2.2. Widely used software

The author believes that the current common software mainly includes Windows platform foundation operation; application software series; using anti-virus software, PS, PDF reader, compression tools and other applications. In order to improve work efficiency, college students should master the basic shortcuts and learn to use a variety of operation methods in the same event to adapt to various working environments.

Table 1 The main factors affecting the computer application ability and information quality of college students

influencing factor	concrete content
School aspects	School environment, school digital resources, library resources construction, school computer infrastructure, computer support, computer curriculum setting, school leadership attitude towards computer
Family	Parents' education level, socioeconomic status, family income, parental attitude, family living environment, having computer equipment, family background, family support
Students	Gender, source of origin, school type, education, grade, major, Internet duration, computer ownership, scientific research experience, and emotional participation in information technology
Social aspects	National education policy support, social information learning environment, social learning atmosphere, media people check, legal norms

3. THE WAY TO IMPROVE COLLEGE STUDENTS' COMPUTER USE ABILITY

3.1. *Serious study of the "computer application foundation" course*

At present, "computer application basic course" has been popularized in the first year of university. The content of this course includes basic computer foundation; operation, office series, virus prevention, consistent with the application functions described in this article. After more than ten years of practice, students have more and more mastery of the basic knowledge of computer.

The better the course, after completing a class, the distance between myself and myself will get closer and closer. The author believes that it is related to the personality characteristics of the new generation of youth. Today's freshmen are mostly born in the 1990s and are usually confident and proud. Teachers can hit them slightly in class or add extra work, rather than thinking they can do anything.

3.2. *To carry out various internship activities*

The use of practical skills is necessary, and students should practice as much as possible. Only when they encounter problems in practical work will they discuss more actively about how to solve them, and the way to solve them will be particularly impressive. The author arranges some internship courses for the students. First, to participate in the contact of the college newspaper, the department newspaper and other departments with the relevant institutions inside and outside the school. Second, engaged in social practice activities during the winter vacation; once had classmates reported to me, during the

vacation, once asked how the computer, the other side said ok, but to work, will find themselves ignorant, low work efficiency. In order to improve, we must actively participate in the holiday social practice activities, to find problems, to solve problems. This way, he can get into the work smoothly. Third, to establish computer-related service agencies. For example, a computer maintenance department can be composed of multiple students to provide free or cheap services to students in need. Nowadays, many students are running small businesses, so they can consider opening a printing factory to provide some help to those students who want to print.

4. THE CULTIVATION WAY OF INFORMATION ABILITY AND INFORMATION ETHICS

To have good information literacy, college students in the Internet, can not always be limited to similar web pages, to broaden their use field. To improve students' information literacy through practice. First, give full play to the advantages of university libraries; second, make full use of modern Internet technology, such as microblog, forums, chat tools; third, understand the related technology of baidu and other large search engines. Some time ago, the country promulgated a series of anti-rumor laws, which proved that our information ethics has reached the point of need to be regulated. Everyone is complaining about the current environment, but no one thinks for themselves. The author lists some content, calling on college students to consciously observe in the school, and to make a small contribution to the future of the civilized information environment. College students cannot manufacture and disseminate false, yellow and reactionary information; do not illegally infringe the intellectual property rights of others; abide by

information laws and regulations; communicate online communication; and make use and publish responsibly.

5. CONCLUSION

It is beneficial to strengthen college students' computer application ability, cultivate students' information quality, enrich college life, improve their ability, strengthen team cooperation and expand work channels.

REFERENCE

- [1] Liu Minna. The Four-in-one Talent Training Research to Improve the Information Literacy of Students in local Colleges and universities [J]. Shaanxi Education (Higher Education), 2022(01):51-52. DOI:10.16773/j.cnki.1002-2058.2022.01.023.
- [2] Hou Yiqing, An Shufang. Analysis on the improvement of teachers' information literacy ability in the era of "Internet + Education" [J]. Primary school students (ten journal), 2022 (01): 51-52.
- [3] Paia Yusufu. Teaching improvement strategy of secondary vocational information technology courses based on information literacy training [C] / /. Proceedings of the Curriculum Teaching and Management Research Paper (VI), 2022: 237-241. DOI:10.26914/c.cnkihy.2022.000512.
- [4] Li wen. Cultivating learning ability and improving information literacy. Application strategy of —— micro-curriculum in information technology teaching in primary schools [J]. Education, 2021 (49): 88-90.
- [5] Wu Yan. Construction and Practice Research of SPOC Mixed Teaching Mode in Higher Vocational College Based on Information Quality Improvement [J]. Computer & Telecom, 2021(11):26-29. DOI:10.15966/j.cnki.dnydx.2021.11.018.
- [6] Cai Yongzhi. College students' computer application ability and information literacy improvement path [J]. Heilongjiang Education (Research and Evaluation of Higher Education), 2014 (09): 76-77.
- [7] Niu Jing, Guo Qiong. Research on Curriculum System Construction Based on Improving the Computer Application Ability and Information literacy of Medical Students [J]. Health Vocational Education, 2014, 32 (01): 141-143.

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