

PAPER • OPEN ACCESS

On the Current Situation and New Development Direction of Student Management in Chinese Universities Based on Network Information Technology

To cite this article: Jiangying Dong 2021 *J. Phys.: Conf. Ser.* **1915** 022082

View the [article online](#) for updates and enhancements.



240th ECS Meeting

Digital Meeting, Oct 10-14, 2021

**Register early and save
up to 20% on registration costs**

Early registration deadline Sep 13

REGISTER NOW



On the Current Situation and New Development Direction of Student Management in Chinese Universities Based on Network Information Technology

Jiangying Dong^{1,*}

¹Criminal Investigation Police University of China, China, 110854

*Corresponding author e-mail: yushumeilin@edu.com

Abstract. With the development of network information technology, its application in the teaching industry has become more extensive and mature. The network platform greatly expands students' learning resources and learning horizons. Of course, while the Internet has improved the education, it also has a negative impact on students. Some unconscious students are addicted to the Internet, which makes their learning plummet. College student management needs to adapt to the requirements of the network age, network information technology must be applied in student management.

Keywords: Network Information Technology, Colleges and Universities; Student Management

1. Introduction

Nowadays, the level of social science is improving constantly, and more and more advanced science and technology are applied to various industries in society. It has greatly changed the way of people live and work. For the management of college students, this increases the difficulty of daily management. This paper analyzes the current situation of college student management in the age of network information and lists the problems [1]. At the same time, it also proposed specific countermeasures, these can provide reference basis for the relevant personnel of university management.

2. Analysis of the status quo of the information construction of college student management in the network age

At present, many industries in our society have gradually integrated network information technology, and have brought efficient work efficiency to various industries and fields, and promoted the rapid development of social economy. In the management of college students, the continuous use of network information technology has continuously improved the efficiency of daily management. The specific performance is the following two aspects. On the one hand, management staff can use smart devices to master the behaviors of students in the local area network involved in colleges and universities, and can formulate reasonable management formulations for each student, and regularly send the adjusted information to the students. On the other hand, the management staff can collect and sort out various texts, pictures, videos, music and other data information in a certain period of time in the university, and then analyze the content of students' attention at the current stage, and then predict the trend of students'



behavior and formulate reasonable Responses. However, due to the relatively short time for university management to incorporate big data technology, continuous research is still needed to efficiently collect all kinds of information from the overall students [2]. In addition, administrators can use information from mainstream communication and entertainment platforms to pay real-time attention to hot events on campus, grasp students' thinking trends, and continuously strengthen the training of students' normal behavior.

3. Construction of user-oriented college student information management system platform

As can be seen from Figure 1, users are mainly divided into two categories: one is students, and the other is the functional departments of colleges and universities. Students and functional departments of colleges and universities can be used as the input terminal and the output terminal of information., In other words, it is both a provider and a user of information.

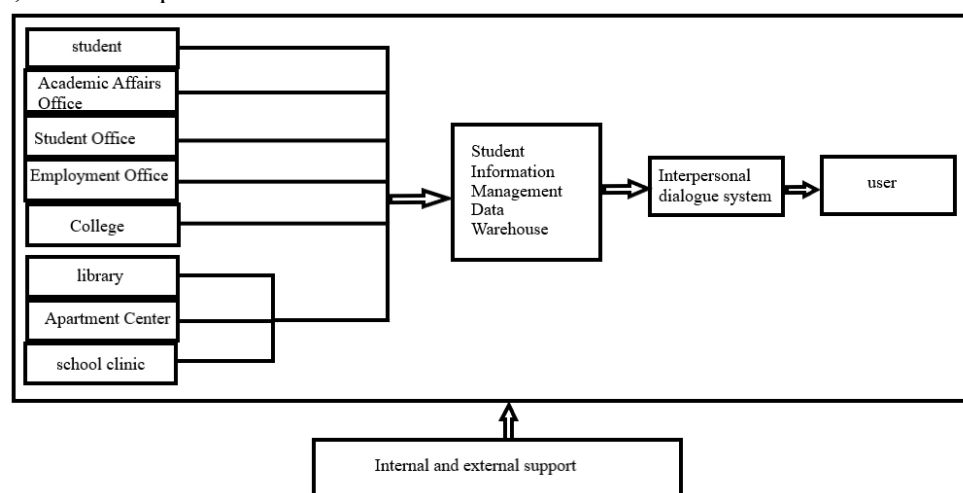


Figure 1. User-oriented information management system platform for college students

At the input end of the information system, students log in to the information system interface and input their own basic information. This information is basically a fixed attribute and does not require major changes. The course management module of the Academic Affairs Office login system platform is based on majors and Classes arrange courses, and at the end or beginning of each semester, students' scores are recorded according to their student number. The Student Office logs in to the rewards and punishments module and the work-study module of the system platform, queries students according to their student number, and records their rewards, punishments, assistance, and work-study status [3]. Students and the Employment Office log in to the employment module of the system platform respectively, Basic employment information and dispatch information for students. The college logs into the class management and daily management modules of the system platform, and enters the basic performance of the students in the fourth-year class and college life. Departments such as libraries, school hospitals and apartment management centers can log in to the auxiliary information module of the system platform and enter relevant information. The processing system or data storage system of the college student information management system uses data warehouse technology. The data warehouse is a subject-oriented, integrated, relatively stable, and historical change data collection to support management decision-making. Choosing data warehouse technology is more convenient and high-performance analysis and query, and supports information users to query information and make decisions, as well as the application of data mining technology [4].

4. The influence of the Internet on college students

4.1. Positive impact

Students access the Internet through information terminals such as smartphones and computers. The massive amount of information on the Internet broadens students' horizons, facilitates students' interpersonal communication, and provides a lot of reference materials for professional learning. These are the many benefits that information network technology brings to college students.

4.2. Negative effects

In the Internet age, no one can avoid the influence of the Internet on our life, work and study, and no one can ignore the study and application of Internet information technology. Figure 2 shows the changes in the life of college students by Internet technology. However, due to the unevenness of good and bad information on the Internet, it has also produced a lot of negative effects and even poisons for college students who have just grown up and entered a relatively free, relaxed and fresh university life from the stressful and heavy high school study life [5].

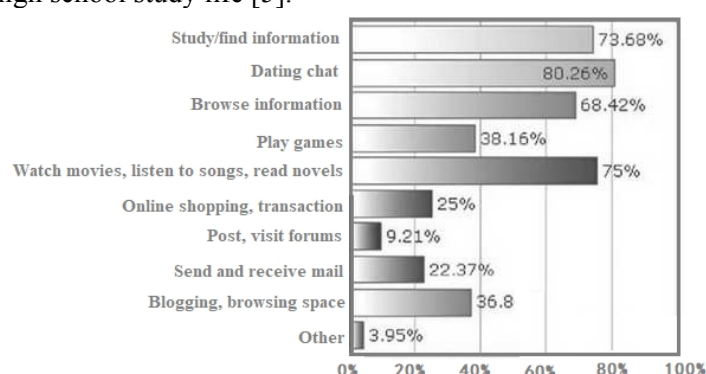


Figure 2. Network technology has changed the life of college students

(1) The Internet is full of gossip news and rumors such as "Yizhaomen" and "Guo Meimei Incident", for college students who have just graduated from high school, are curious about the society, and are in the developmental period of world outlook, outlook on life and values. In other words, it may not be able to distinguish right from wrong and treat it correctly.

(2) Hostile forces at home and abroad often use online tools to spread speeches attacking the party and government, and use young college students to care about the country and society, but at the same time they are not yet politically mature, and their life and social experience are relatively shallow, which confuses the audience and reverses black and white. And even incited and created some student group incidents, disrupted the normal teaching order and social order of the school, and seriously caused some criminal acts of students [6].

(3) Due to the relatively loose management environment of the university, many students are attracted by the beautifully made online games. Many students even indulge in online games, become addicted to online games, waste their studies, waste money, and harm their health. Health has brought endless troubles to many parents, and has shattered many families' dreams of success.

(4) Adolescent college students are curious about sex, and are easily attracted by pornographic information on the Internet. According to a survey of the name of a website, 46% of college students admitted that they had browsed pornographic websites, and 36% of them were active. The act of searching for pornographic websites [7]. Due to the influence of traditional concepts in our country and the lack of sex education, college students are extremely vulnerable to pornography, which leads to wrong sexual knowledge and behaviors, and even illegal and criminal behaviors, causing physical and mental health damage to themselves and others.

(5) The interpersonal communication in the long-term online virtual world may weaken the actual interpersonal communication ability of college students. Due to the concealment of the online virtual world, they can communicate freely with strangers without excessive psychological burden. This satisfies the needs of students' interpersonal communication to many extents, but the Internet is virtual

after all, and long-term online interpersonal communication will make young college students alienate from the real society and become too dependent on the Internet.

5. Suggestions and countermeasures for the application of modern network information technology to the management of college students

5.1. Renew concepts and attach great importance to student management under the network environment ideologically

At present, colleges and universities pay insufficient attention to the use of network information technology to manage college students. The specific problems are as follows:

(1) Many student administrators themselves do not understand and cannot use network information technology, and their ability to dynamically understand students' thoughts through the network is weak, and their awareness is not in place [8].

(2) The initiative of communication between teachers and students through the network is not high enough.

(3) Lack of technical monitoring methods and effective management rules and regulations for student network behavior. Therefore, student management workers in colleges and universities need to update their concepts and pay more attention to student management under the network environment.

5.2. Pay attention to methods, adopt a multi-pronged approach, and use network information technology to carry out university student management

1) Conduct surveys on college students' online behavior habits and integrate into the online world of students. Colleges and universities need to understand students' online behavior habits through questionnaire surveys, seminars, etc., and grasp where students go to online activities, so that student administrators can participate in student online activities and understand what the students say and do online. For example, by joining the student QQ group, logging in to the BBS, and posting it to participate in the discussion, you can learn what games the students are playing recently, what social hot spots they are following, etc. so as to dynamically understand the students' thoughts and behaviors, discover problems in time, and seize opportunities to develop Educational activities [9].

2) Make full use of existing campus network resources, purify the campus network environment, and regulate students' online behavior. In view of this characteristic of students keen to surf the Internet, colleges and universities should make full use of their own campus network resources and organize professionals to build a good campus network. You can open campus forums on campus online, and invite experts, scholars, school leaders, and representatives of outstanding graduates to participate in campus online forum discussions. Regularly conduct discussions about professional studies, career planning, and related social hot spots, use the Internet to publicize the party and the country's guidelines and policies, and release positive and healthy messages. So as to educate people with correct ideas and inspire people with advanced models.

3) Build a diversified online student management team. The first is to carry out network information technology training for student counselors and political cadres to let them understand the network and master network technology, and enhance their ability to combine student management with network technology. The second is to encourage teachers and students to use the Internet to communicate. On weekdays, the contact between the teacher and the students is very limited except for the teaching time. Teachers must not only teach but also educate people. Therefore, teachers and students should be encouraged and required to use the Internet to carry out educational exchanges, such as encouraging teachers to join the class QQ group, leaving students with their own QQ numbers and Email addresses, Weibo, etc. The third is to select a group of student cadres and student party members with high political and ideological qualities, good student relations, and knowledge of network technology as school network information administrators.

4) Pilot sex education courses to guide college students to form correct sex concepts. Due to the influence of my country's traditional cultural concepts, sex education at the middle school stage is only

a simple introduction as part of physical hygiene. It is shameful to answer and cover up, which makes my country Sex education for young students has been missing for a long time. However, with the growth of young college students, sexual cognition is an unavoidable problem. Instead of concealing it, let the students search for sexual knowledge through unhealthy channels, or take advantage of the situation and set up elective courses for sex education in schools [10].

5) Use a variety of network information technology platforms to carry out online student education activities. We can use real-time online platforms such as Tieba and Groups to conduct online class meetings and conduct interactive discussions on some hot issues in the online society. The counselor teacher conducts positive ideological and political education counseling online, breaking through the time and space limitations of traditional class meetings. Secondly, we can also encourage students to learn network technology to create their own class's blogs and web pages, and upload class activities and students' personal style to the Internet through Flash animation, PPT playback, pictures, videos, etc., thereby increasing class cohesion. At the same time, it also cultivated students' innovative ability and strengthened their self-confidence. We can also open up special columns such as professional knowledge lecture halls, employment guidance, student party building, etc. on campus to encourage teachers and students to build together, and we can also carry out online competitions between professional classes, entertaining and entertaining, and carry out a variety of network activities, Attract students to the correct university life that is beneficial to physical and mental health and ability development.

6. Conclusion

In short, in this information age, colleges must make full use of the advantages of network technology to manage students, and they should expand students' learning resources through online teaching platforms. Let students learn more effectively with high-quality teaching resources, it can improve students' learning effects and teaching quality.

References

- [1] Chang Jiang. Current Situation and Countermeasures of Information Construction of College Student Management in the Era of Big Data [J]. Research on propagation force, 2018:198+200.
- [2] Cheng Hongtao, Jiang Yongchang, Yu Tian. Research on student management in colleges and universities based on big data [J]. "New Campus: Shangxin", 2015:151-152.
- [3] Lin Wei. Problems and Countermeasures of College Student Management Based on Network Environment [J]. Human Resources Management, 2017.
- [4] LIU Xiaoping. Application of Network Information Technology in College Student Management [J]. Electronic Testing, 2014:86-87.
- [5] Song Haige. On the Current Situation and Development of Higher Vocational Student Management in China [J]. Young Writer, 2013:137-137, 139.
- [6] Wang Yaoping. New Ideas of College Student Management Based on Network Community [J]. Shanxi Youth, 2016.
- [7] Wu Hongyun. New Development of College Students' Archives Management Based on Informatization [J]. Urban Construction Archives, 2016:75-76.
- [8] Yan Mingyang, Mao Shupeng. Research on class and university student management system based on network [J]. Computer CD-ROM Software and Application, 2014:228-229.
- [9] Ye Zhenping. Current Situation and Countermeasures of Information Construction of College Student Management in the Era of Big Data [J]. Urban Tutor: the second half of the month, 2017:81.
- [10] Zhang Limei. Innovation of College Student Management Service Based on Network Platform [J]. Science and Technology Information, 2015:139-140+142.