

# College Fees Innovation under the Support of Mobile Internet Technology

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**Keywords:** Mobile internet technology; College fees; Digital; Online payment

**Abstract:** Digital campus construction under the mobile Internet technology is a key project of education informationization, and an important part of school education reform and development. Building a digital campus has become an inevitable trend of modern education. Nowadays, more and more schools regard the digital construction of campus as an important means and strategic choice to promote the leaping development of schools. The college student charging system applies the computer automatic charging management method, which is recognized in the charging of college students, gradually replacing the original manual charging form in colleges and universities. To a certain extent, it highlights the advantages of statistics, intelligence and accurate records, and effectively improves The timeliness and accuracy of the management of college fees. However, there are always certain deficiencies. Therefore, in view of the existing problems, it is necessary to take targeted solutions to better improve the management of college students' fees. This paper analyzes the status quo of college students' payment and the advantages of online payment in college fees, explains the risks and control measures, and explains the mobile Internet technology support under the direct payment of online payment, WeChat payment, public account payment and Alipay payment. The innovative strategy of college fees.

## 1. Introduction

The management of college fees is a work that universities and financial departments attach great importance to, and it is also an important link in the prevention of financial risks in colleges and universities [1, 2]. There are more fees and expenses in colleges and universities. If there is no effective internal control mechanism and advanced charging mode, the charging work is very easy to make mistakes, and even breed corruption, resulting in irreparable economic losses [3-5]. At present, most colleges and universities have developed a fee management platform based on their own actual conditions, and realized large-value and fixed-fee projects such as tuition and accommodation fees, which are collected through bank lending and online transfer, and the collection of a large number of sporadic expenses is basically Take the manual method [6-8]. There are many projects involved in college fees, the amount of fees has a strong policy, and the work is difficult, and the lagging development of charging means has many problems in charging management: First, the charging efficiency is low, and the queue time is long [9]. Second, the initiation of the charging process is slow, and the reconciliation workload is large [10]. Third, the charging system is independent of other business systems, and the progress of payment is uncontrollable [11]. Therefore, under the background of the rapid development of mobile Internet, the college charging platform based on intelligent mobile terminal is constructed to realize the mobile payment method, which greatly reduces the payment time, reduces the payment cost, and ensures the flexibility, convenience and security of payment. Greatly improve the economic efficiency and overall management level of colleges and universities [12-15]. In order to fully understand the status quo of information management development of college fee management, this paper uses literature research methods to review the literature and research trends of college fee management platform construction at home and abroad, through the analysis of the status quo and existing problems of college fee management platform, combined with practical problems to be solved. Analyze the idea of using information technology to build a fee management platform.

## **2. Analysis of the Current Situation of College Students' Fee Management System**

With the popularization of campus digitalization and the rapid development of accounting informationization in Colleges and universities, the automatic charge management mode of computer has been applied in the student fee collection system. However, the simple application of computers is very difficult to meet the management needs of college students' fees. According to the current situation, we can find that there are three shortcomings in the management system of college students' fees.

### **2.1 The Management of Fees is Unscientific.**

Although the development of computer informationization in most universities has made obvious progress, due to the nature of universities, students' registration is highly centralized and will involve the payment of various fees after registration. If students concentrate on the financial department to pay the fees, it will make the staff's work intensity obviously strengthened and also need to input the data information in the documents into the computer. The staff are prone to errors, which will bring some trouble to the charge management work and even fail to complete the corresponding charge work in time. It will also update and maintain the student's payment information to check it out. Job hunting causes some problems.

### **2.2 The Mode of Payment Management is Unreasonable.**

At present, the majority of colleges and universities in the payment work to achieve online banking payment. However, there are still many problems in connection between the charging management system and the online banking data. After completing the download of the online banking data, it is still necessary to sort out the data properly, and in the process of data entry into the student payment system, it will increase the operation link, which will increase the error rate. At the same time, because of the large number of students in the same session, there is the problem of the same name and the same name. Therefore, if there are problems in data processing, there will be the problem of missed payment or repeated payment.

### **2.3 There are Many Fee Items.**

College fees mainly include four categories, including full-time tuition fees in general colleges and universities, refurbishment fees in full-credit schools, adult education specialty, undergraduate correspondence tuition fees, tuition fees for special majors in self-taught higher education examination, tuition fees for directional classes, accommodation fees, etc., and substitute fees for teaching materials, freshmen's physical examination fees, military training clothing fees, apartment supplies fees, town and town fees. Medical insurance premiums for college students; service charges, including electronic image and photo collection fees, computer, Internet service fees, cost of reissuing certificates, school hospital fees, training fees; income from paid use and disposal of state-owned assets, including foreign investment, leasing, lending, sale, replacement, damage reporting and disposal of waste and residual value of state-owned assets on file or approved by the Asset Management Department of the Ministry of Finance.

### **2.4 The Search Ability is Weak.**

The college toll collection system is widely used. However, most of the systems are mainly used in the accounting work of colleges and universities. The relevant leaders and teachers responsible for managing students in colleges and universities cannot fully understand the payment situation of students. This week, college teachers have no way for colleges and universities. The timely help of accounting work has made many college students unable to complete the payment in time.

## **3. College Charging Platform under Mobile Internet Technology**

The Significance of College Charging Platform under the Mobile Internet Technology. Improve the level of financial information management, the new college toll platform has the function of gathering financial data of various departments, through real-time docking with business systems

such as student systems and educational systems, and comprehensive, multi-level design according to departments, charging items and charging contents. The standard, through the finishing of the background, can provide relevant departments and units with complete, accurate and unified financial information, while improving the efficiency of each department, it can also improve the satisfaction of teachers and students. Today, with the rapid development of network information technology, the platform under the mobile Internet technology of colleges and universities is also an important part of the realization of intelligent campus construction, which is of great significance. The charging of colleges and universities involves the management and control of funds. With the establishment of the toll platform under the mobile Internet technology, the positions of toll collectors will also withdraw from the historical stage. From the perspective of internal control, such as the establishment of receivables and the separation of review posts, toll posts and receivables. The post separation and other post positions, and the construction of relevant post control mechanisms will undergo major changes and be effectively established and improved. The charging platform under the mobile Internet technology will further promote the level of financial information management, and further standardize the key links in the construction of internal control mechanisms around the requirements of internal control system construction.

#### 4. Functions of College Charging System

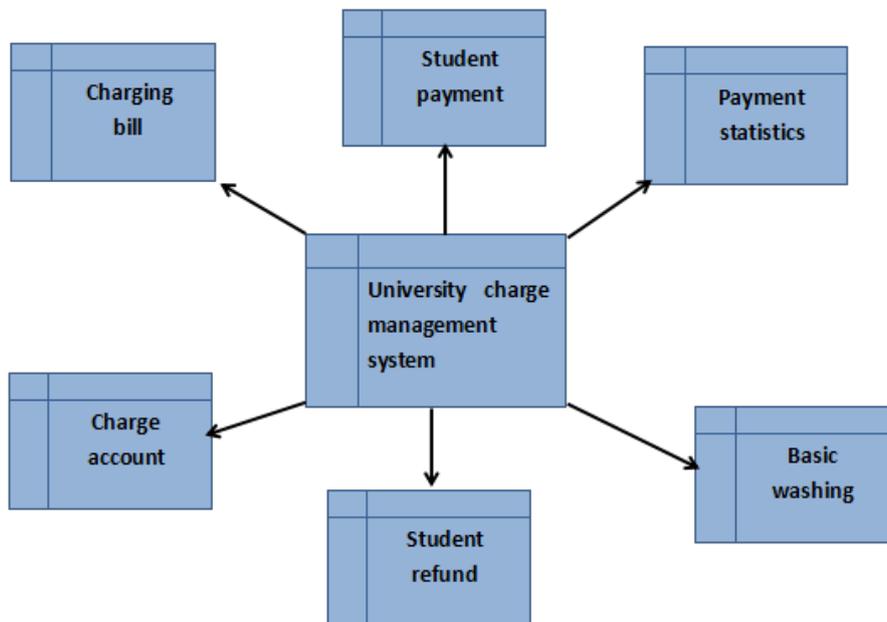


Figure 1. General package diagram of college student fee management system

As shown in the figure 1. The student payment management package is used to generate student fee information, and provides a variety of payment methods for students to choose, namely online self-service payment, cash payment and credit card payment; for online self-service payment, students first need to log in to view their own payment information. After the student selects the payment item, the student can choose one of online banking, Alipay or wire transfer to complete the payment process of the online payment. After the payment is completed, the financial invoicing staff can directly view the self-service payment information of the student and can directly print from the system. For bills, the students will go directly to the finance to collect the bills; for cash payments, students need to bring sufficient cash to the Finance Department to complete the payment procedures. The Student Refund Management Package is mainly for the students, the Academic Affairs Office, the Student Affairs Office, and the Financial Cashier to provide tuition fee waiver and accommodation refund. The charge account processing is provided to the financial invoicer, the financial cashier, the chief of the finance department, the agent bank for the daily billing and the centralized remittance work; the financial invoicer and the financial cashier generate the daily bill through the system and complete the collection on the same day. The bill

reconciliation work is submitted to the Director for review and review; the financial invoicing officer and the financial cashier complete the preparatory work for centralized remittance of data through the system, and the system generates a centralized remittance payment book, which is reviewed by the Director of Finance. The bank agent will pay the account to the Finance Bureau, and will eventually hand over the payment form to the Municipal Finance Bureau.

## 5. Innovative Strategies for College Tolls Supported by Mobile Internet Technology

### 5.1 Silver School Direct Online Payment.

Direct online payment can realize real-time payment. The important operation process is: the financial toll server in the university and the banking server are connected by a dedicated line. In the relatively independent networks of universities and banks, the bank line, the secure communication machine, and the double-layer firewall are used to communicate. In the payment of the expenses of college students, the use of the silver school directly connected to the online payment system will be able to complete the corresponding payment work. At the same time, the online payment system of the Silver School can automatically complete the collection of charges, reconciliation and the generation of bills. In the online payment system of the Bank of China, not only can the student's tuition and accommodation fees be charged, but also the small fees such as registration fees, teaching materials, examination fees, Internet fees, and meal card fees can be realized. .

### 5.2 Develop a New Fee Management System to Improve the Efficiency of Charge Management.

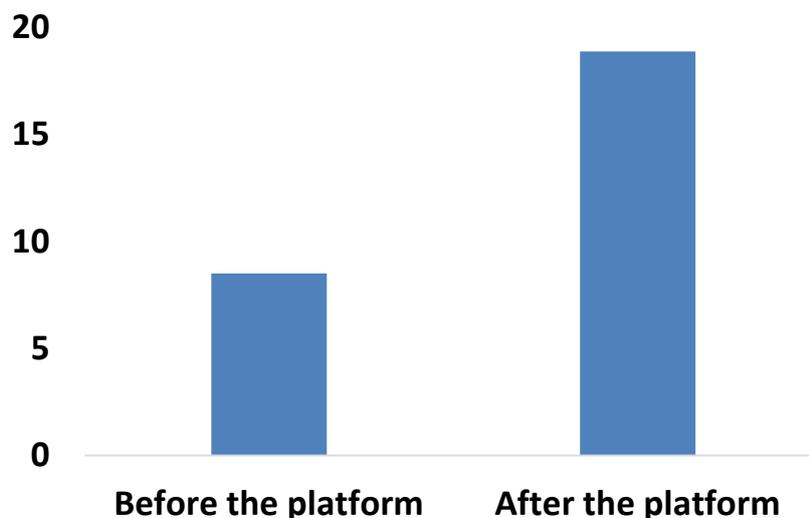


Figure 2. Comparisons of Payment Speed before and after Implementation

Colleges and universities can increase the intensity of financial informatization development, cooperate with professional fee-based software companies, and develop a campus-based fee management system based on the characteristics of college students' fees and the main problems. On the one hand, the finance department can follow the department. The project, the interval, and the student level conduct comprehensive and multi-dimensional management of the charging data, and uniformly manage all the charging data of the whole school; on the other hand, it can strengthen the work connection of all departments of the school, improve the efficiency of student charging work, and realize the college fees. Scientific and information management. The system should provide a comprehensive platform for all relevant departments of the school on the basis of financial management informationization, such as charging, information inquiry, notification release and follow-up management. All relevant departments can realize data through the platform. The uploading, downloading and interaction can also be systematically interfaced with other school

systems through the charge management system, breaking the barriers of data transmission, in order to realize the sharing of student information in the true sense. For example, the counselors of each department can inquire about the student's payment within the authority of the post setting, and promptly pay the unpaid students. The comparison of the payment rates before and after implementation is shown in the figure 2.

### **5.3 WeChat, Alipay and Public Address Payment.**

Colleges and universities can post "sweep code payment" to enable students to use mobile phones to complete the payment of tuition fees in a timely manner. In order to ensure the safety of WeChat and Alipay in the collection of university fees, and to reduce the cash and transaction fees paid by WeChat. In addition to Wechat Sweep Payment, Public Number Payment is also a more feasible way of payment. In the process of use, universities can first launch financial public accounts, so that students and teachers can pay attention to them. In this public account summary, students can check the payment of tuition fees, textbook fees and other small fees, and also can realize online payment. After paying attention to the public account of University finance, students can first authenticate and bind through the information such as student number, and then complete the inquiry of payment information in the customized menu of public number.

## **6. Conclusion**

In the rapid development of the mobile Internet, the user's academic exchange activities have gradually shifted to mobile and Internet cross-domain connections. WeChat public platform services continue to deepen and broaden people's access to knowledge information. The management of college fees is a complicated and meticulous task. It must have a sound fee management system and an information-based innovative charging model. It is necessary to serve the teachers and students conveniently and efficiently, and to complete the effective docking of data of various business departments, to lay a solid foundation for the orderly operation of the school, and to promote the sustainable, stable and healthy development of the university. In short, the management of college students' fees is a comprehensive work, which requires the cooperation of various departments of the school. Colleges and universities should pay attention to the management of student fees, and list them as important contents of financial management. At the same time, face up to the problems in the work of student fees, and take corresponding measures in a timely manner to continuously improve the charge management on the basis of optimizing the management of college fees. The level provides financial security for the development of colleges and universities, and thus promotes the school to achieve better development.

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