

Impoverished Students Affirmation and Funding Management System Application Design

Gui Wei¹, Wu Yafen², Zhong Wenbin^{3*}

¹School of Humanities, Jiangxi University of Traditional Chinese Medicine, 818 Meiling Road, Nanchang 330004, Jiangxi, P.R. China ;

²Research Department, Jiangxi University of Traditional Chinese Medicine, 818 Meiling Road, Nanchang 330004, Jiangxi, P.R. China ;

³School of Computing, Jiangxi University of Traditional Chinese Medicine, 818 Meiling Road, Nanchang 330004, Jiangxi, P.R. China ;

*Corresponding author: Zhong Wenbin .Email:328759165@qq.com

Gui Wei and Wu Yafen are co-first authors.

Keywords: Impoverished affirmation and funding; Management system; Application design

Abstract. At present colleges and universities in our country have initially created diversified funding system for impoverished students, such as award, loan, financing, subsidies and reduction. Impoverished students' finance management contents in colleges and universities are becoming richer and richer. Using the advanced network technology to create impoverished students' affirmation and funding system with rich information, accurate positioning and operability can realize impoverished students' electronic archives, democratic review and submission of poverty and grant application, etc, which can make simplified, open, efficient and standardized impoverished students affirmation and independent work.

With the continuous development of our society, each stage's school education policy also is in unceasing reform. Colleges have set up family economic difficulties students affirmation and funding system which gives priority to national student loans and aided by scholarships, work-study programs, financial aid, difficult allowance and free tuition reduction. The content and strength of funding work are constantly enriched and increased. The requirement of finance work enhances unceasingly. Create students' library information service by using mature information technology, design impoverished student affirmation and funding management system which can improve the affirmation and funding work efficiency and solve a series of problems existing in the work.

The present situation of impoverished students affirmation and fund management

Rich fund management content.

In the process of social development in our country, impoverished students' affirmation and funding work are unceasing. The contents are increasing besides the original loans student, campus subsidies, national scholarships and financial funding affirmation. There are provincial and state financial difficulty allowances, minority students' aid, and internal and external school social benefits, etc. Funded projects are increasing and the scope of its objects is becoming bigger. Traditional affirmation and funding programs process is that impoverished students get impoverish affirmation, and then submit it and receive the class and college examination and approval. Finally, the school reviews it. Each phase is a long cycle with many links and complicated procedure, leading to larger workload in impoverished students' affirmation and funding. [1]

Backward funding management way.

Impoverished students occupy larger proportion in colleges. Impoverished students' affirmation and funding work contents are a lot and complex. Traditional finance management system already can't satisfy the demand, and lack dynamic management and impoverished students follow-up study.

This leads to not standard affirmation procedure, waste of manpower, material resources and money, and the management way is relatively backward.

Affirmation procedure is not fully fair and open.

Some schools' affirmation basis is that impoverished students' certificate and a series of related materials are determined by class review and a series of work, but class reviews tend to be influenced by personal factors, resulting in unfair phenomenon. Traditional impoverished students' affirmation procedure is difficult to realize what impoverished students expect: fairness, openness and impartiality due to human factors. [2]

The design concepts and affirm standards of impoverished students' affirmation and funding management system

An impoverished student' affirmation and funding management system is designed and developed based on the information technology to solve the above problems. It can carry on a dynamic tracing and management of the basic information of the impoverished students, and use network operations for scholarships and grants declaration. This system has advantages such as advanced technology, operability, uniform data format, large storage and simple maintenance, and can effectively improve the efficiency of impoverished students' affirmation and independent management work. It will make impoverished students affirmation work fair, impartial and open. The design concept of impoverished students' affirmation and funding management system is to create impoverished students' management database, make it have stability and efficiency; Ensure the security and data consistency of database; Ensure good user interface for convenient user use; Improve query, modify, add, delete, and other auxiliary system; Improve the report output efficiency, and reduce the user workload. [3]

This system divides impoverished students into three kinds according to national impoverished students' independent policies and university impoverished students' affirmation standards based on family economic situation: special, medium and general poverty. The total number of impoverished students is lower than 20% of the total number of students, and specific affirmation standards are:

(1) Monthly living expense is less than \$150 a month, and students in the following circumstances are seen as with special difficulties: first, family members are suffering from serious diseases with huge burden of medical expenses, and they have no medical insurance; Second, the student comes from families of revolutionary martyrs and servicemen or superior government management department preferential treatment; Third, student comes from single parent family or is an orphan who has no direct economic source or does not have economic source; Fourthly, the student who has minimum living standard or is from household enjoying the five guarantees or exceptional poverty certificate family; Fifthly, students have family economic difficulties because of other special reasons.

(2) Monthly living expense is 150-250 Yuan per month, and students are in the following circumstances are as of medium difficulty: first, there are disabled people in the family who have no labor ability and cause household debt; Second, the students family has economic difficulties due to illness liabilities; Thirdly, there are two or more children in the family who are in high school or college at the same time, leading to family economic difficulties; Fourthly, students come from the remote areas, and the families are unable to pay the tuition and living expenses; Fifthly, students are in financial difficulties due to other reasons. [4]

(3) Monthly living expense is 250-300 Yuan per month, and students are in the following circumstances are seen as of general difficulties: first, students have urban registered permanent residence, both parents or one parent has no labor ability; Second, students' both parents or one parent has no income causing family difficulties; Third, parents are farmers and there are servicemen in the family; Fourthly, students come from family with property loss due to serious natural disasters; Fifthly, students have family economic difficulties due to special circumstances.

(4) Students who are in the following situations will be cancelled off their impoverished students' affirmation: first, students falsely report family difficulties; Second, students one of whose exam result is unqualified; Third, students who live their life luxury but not thriftily; Four, students

rent apartment out of campus; Fifthly, students often go in and out of business premises such as Internet cafes. [5]

The application design of impoverished students affirmation and funding management system

According to the actual requirements for impoverished students funding management requirements, other functions are extending based on the work content and the system's main structure and module function are determined, which is shown in Figure 1:

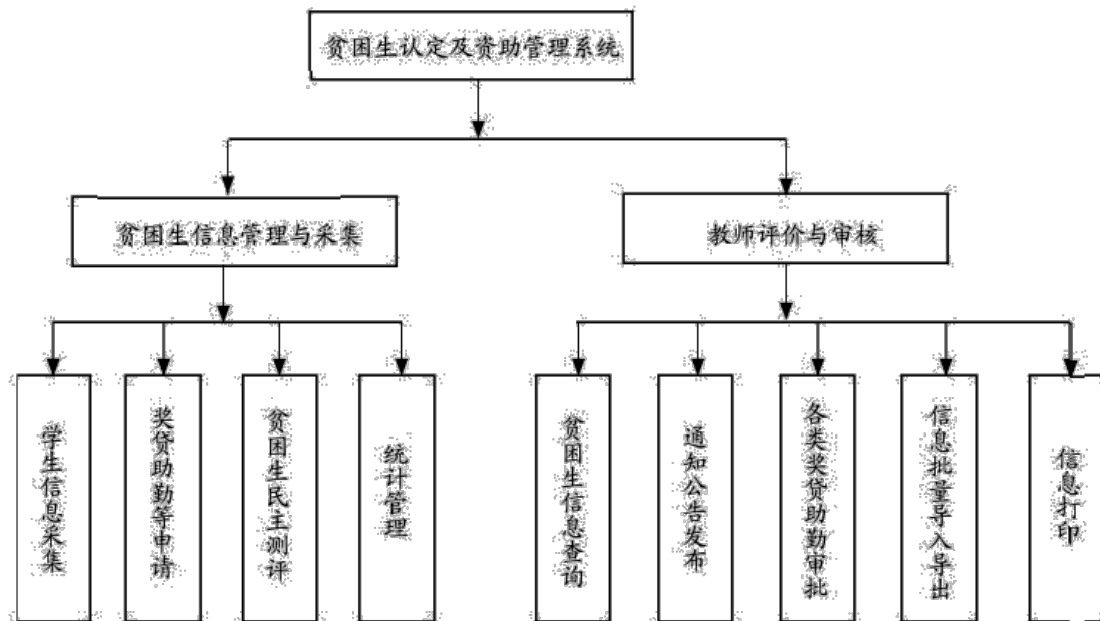


Figure 1 Impoverished students' affirmation and funding management system function structure

The system's main function is to realize the information collection of impoverished students, relevant notice of impoverished recognition, impoverished students' affirmation and assessment, students' dynamic management to get access to information review, various funding applications and teachers' assessment, and the specific function is as follows:

Impoverished students' information management and collection.

It is a student module, which can collect information about students, generate information database, and provide basis data for teachers and school audit. Each student can apply for an account, and ordinary students can view the related funding information through this system. Make democratic appraisalment for impoverished students, and after impoverished students log in system, they can register impoverished information, impoverished affirmation and scholarship, financial aid and other applications, and check their submitted application at any time. They also can check related impoverished students' management announcement and funding review formula to master student financial assistance work information. The main content of the subsystems is as follows:

First is student information acquisition. After students log in system, fill out related forms such as personal information, family information etc., to provide data base for funding application. System will update impoverished fresh data information every semester, and students need to apply can upload relevant certificates after the start of each semester, and then their poverty can be affirmed. After the approval, they can get into impoverished students library. To those who do not accord with standard of impoverished students will be deleted from the impoverished students' library;

Second is funding application. Students choose the project to apply for through login system, fill in relevant information and explain the reasons in accordance with relevant requirements, and the system will automatically generate the corresponding application and send it through the system to the administrator which reduces the written application link of gathering information;

Third is impoverished students' affirmation. The link is an important part of impoverished students funding work and is the foundation of national impoverished student program implementation, which directly affects impoverished students work efficiency and effect. This module is mainly divided into poverty students' self evaluation and democratic assessment. Students log on this module to carry on the evaluation of themselves and others. Because the link is secret type, students' poverty situation and real consumption situation can be reflected and provided for the management staff as basis.

Fourthly is statistical management. Impoverished students' statistical and query applications and granted loans data in application and appraisalment will have corresponding record. Students can query through the system every impoverished student's application and grants obtained each term. [6]

Teacher evaluation and audit.

It is operated by the system administrator, including two levels of colleges and schools. Administrators can issue announcements and documents related to impoverished students funding through the system, and manage and query students' information, college and school impoverished students' self-evaluation and democratic assessment situation. For each funding application management and audit, print or import fund application form. The main content of the sub system is as follows:

First is impoverished students' information query. Layer the information submitted by students based on class into list, and the administrator can query the information of all the students through the system and export or print out the impoverished students' documents;

Second is to release notice and public announcement. Administrators can issue impoverished students funding and related information and policy documents through the system on the platform, and dynamically manage the information. Timely file related work documents. After students log in account, they can see relevant documents and notices issued by administrator. Each semester's funding formula can be released through the platform, which enables all the students to understand funding situation and realize fair, just and public impoverished students' affirmation and funding work.

Third is impoverished students' funding approval. According to different levels, the administrators can be divided into two layers, including colleges and schools. Users can manage their students' application for query and audit. For impoverished students whose documents are not in accordance to the requirements and applications, students can return through the system and state the reasons. Return application form filled in wrong information and make students correct it. Students can check administrator return advice, information, and examination and approval result in login system. In addition, the system can automatically generate the corresponding statistical tables of project application according to the category. Each application can be simple and clear to improve administrators' management efficiency.

Fourth are information import, export, and printing. Administrators can present system request, and the system can import and export different information and forms according to the request of the administrator and print out the information and forms. [7]

Conclusion

Impoverished students' affirmation and funding management work is a long-term systematic project, and the management of impoverished students funding is the important content in current domestic colleges and universities management. Through scientific measurement way, create impoverished students' affirmation and funding management system based on Web. Based on advanced information technology, make impoverished students' affirmation and funding work more fair and reasonable, scientific, promote the informatization pace of impoverished students' management work, which can make impoverished students' funding policy being carried out continually and create a good campus environment.

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