

The Application of Information Management System in University Student Affairs

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Abstract: The goal of building a world-class university personnel training proposed new specific requirements, the connotation of student affairs also increases, and thus, the demand for student information management platform is also more urgent, it is also bound to encourage students to network management, internationally and personalized. This paper is based on in-depth analysis of student information management needs, and elaborates the application of database technology and computer technology, to enable students to achieve the network management information, in order to guarantee an efficient and standardized student information management.

Introduction

As an important basis for measuring the level of university management, student affairs have become a top-notch innovative personnel training an important part. As a systems engineering students in school throughout the entire process and all aspects , including all aspects of student management , performance management, scholarship, credit and correctional case management, overseas exchange information management, graduate employment guidance, showing the workload classification thin, wide and covered many projects and so on. Personnel training to face the new demands on student affairs developed a highly efficient and accurate student information management system has become an important means to improve school quality universities, cultivate innovative talents essential. The traditional student management system has exposed a number of problems: the tedious manual operation, print statement made arduous task redundant data and more data reproducibility serious, data exchange sluggish, slow update speed data, data structure is irrational, between data the contact is not clear, etc., these negative factors to university administration inconvenience, is not conducive to international communication and expansion. Combined with years of management experience, relying on appropriate language database software and computing, we embarked on exploration, research and intelligent student information management system.

Discussions

1. Student information management system requirements analysis

Student Information Management System to manage the entire student activities as a dynamic system, under the guidance of system science, this system functions to define and split, clear links and differences between the system and its external environment, the establishment of a structure reasonable level of clarity, coordination mechanisms for the efficient and orderly organization of student information management. Analysis of the specific needs of the student information management system includes the following aspects:

1.1 Individual student's comprehensive information data: name, student number, political affiliation, date of birth, National ID number, class number, major, dormitory phone number, home address and other basic static information.

1.2 Student academic data: including course name, course credit scores, curriculum, student grade point average and other information, and to achieve success in the class academic database on

the basis of student academic grade performance analysis.

1.3 Students reward and punishment information data: including reward subject, reward content, winning time, the contents of punishment, punitive reasons for punishment, etc., to achieve a record of such information and statistical analysis.

1.4 Students from poor families' information and data: including students' name, student number, contact information, family economic status, family contacts, family nature of information tables, and other information to obtain funding to realize these information recording and statistical analysis.

1.5 Graduates and employers information and data information: graduates' name, employers' information, contacts of graduates, feedback information from graduates, whether any alumni affairs in the unit, etc., to achieve graduates and employers information is recorded and can complete the inquiry as needed.

1.6 News announcement: to achieve internal and external, both inside and outside the school news and announcements posted timely.

1.7 Student activities data: including contents, time, participants and other data, records and statistics carried out through all student activities.

1.8 Student forum: different grades students and teachers could communicate through establishing an internet virtual forum.

2. Functional Design of Information Management System

In order to improve the safety and efficiency of the program's basic student information management data developed using VB programming language. The SQL Server database technology is used to development platforms generally, ASP language is used to development environment, ASP language is interpreted in the Web server side scripting process information in the database can be achieved by calling the page. ODBC technology is applied on database access. Specific features of student information management system to achieve the following:

2.1 System login screen: to achieve a different management interface and student user login system administrators to view and query interface, to ensure the safety of students and effective information management data. While establishing an interactive platform management system, students from different grade and major and teachers could communicate through both online message boards and student forum.

2.2 Comprehensive student information module: the module's function is to record individual student basic information during college, including students of natural information, information on student achievement, student incentive information. The information could be displayed as a separate module, and also as the entire list, while fuzzy search function is also set up to convenience the search function.

2.3 Student performance management module: this module records various subjects and students have learned and their results, the evolution of the situation can be analyzed, and the student achievement and academic status of classes, grades between professionals could also be analyzed. The assessment process module can well be used for student scholarships, and Miyoshi appraised for student achievement during the reference.

2.4 Student employment management module: this module consists of two aspects of student employment information and employing units. These two aspects are interrelated and share with each other. Student Employment is mainly student employment destination, and employer information is primarily a description of the employer, including contact details, with or without feedback from alumni and alumni information.

2.5 Student financial assistance system module: with the increasing enrollment of colleges and universities, as well as the cost of higher education, students from economically disadvantaged families has become an increasingly prominent social problem, which universities have a "poor students" of such a group. In order to make this part of students successfully complete their studies, universities and society developed a number of subsidy policy. The module is through management database to help students complete the financing of economic difficulties, including the difficult economic situation of students' families, records and statistics obtained funding status of content.

2.6 Other modules: in addition to these modules, as well as news, announcements management, student forums, student leaders' contacts information modules, this played a very good effect role in improving student management efficiency, while strengthening among teachers and students communication.

3. Student information management system should meet the following objectives

3.1 Establishment of efficient information collection, storage, switching, transmission, retrieval and query system.

3.2 To achieve information sharing, improving information utilization, and can obtain the relate data timely and accurate.

3.3 Improve students' level of management automation, improve the management quality of information, promote student workers to improve computer skills, and thus more effective for the management decision-making.

3.4 Strengthen macroeconomic management, improve the management system, and improve the handling information process, to shorten the process management system of generate internal information.

Acknowledgement

Construction of student information management system is a very complex system work. According to past experience, it is necessary to take a long time and money, and well co-operation through different parties. Developing and maintaining VB developers and database systems, is also a complex task. The rise and development of student information management system is different from other new things, it needs for coordination and cooperation in various sectors, and also to demonstrate and implement administrative measures. Only in specific work continuously explore, serious practice, efforts to develop, in order to actively and steadily to achieve the development and construction of student information management system, will enable the effectiveness of this work has been to achieve improved management of university education in this final goals.

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