WINDOWS BASED COLLEGE ENROLLMENT SYSTEM FOR SOUTH EASTERN UNIVERSITY OF SRILANKA

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Abstract

This project is aim to design windows based enrollment system for SEUSL. This system is an electronic way of facing the enrollment via a windows based application. There are so many windows based enrollment systems available in the market. This system eliminates all the manual process and to provide easy, efficient and accurate software based solution to help in enrollment activities. The main objective of this system is to provide a software, which helps the college management in recording all the information regarding students and the relevant information like registration, courses, payment etc. The system will enable students to register, select the course, payments of courses. It has modules of admission system and student management system. This software is very helpful to manage admission details. This system provides means for fast and convenient way to enroll the students. The system is user friend and is less time consuming. The data will be save with in a blink of time into the database. It also generates clear reports for the needed user. The main purpose of implementation of the system is to provide easy, efficiency and accurate software based solutions to help enrollment process easily resolved. Moreover, get more advantages from using it. These windows based enrollment system to enhance efficiency, increase accuracy, and add value to SEUSL more capability.

Key Words: Enrollment, Easy, Windows based

Introduction

Computerization is a control system that manages processes in industrial workplace. It reduced human errors and processing time. In Information System, computerization is concerned about interrelating different but interdependent transactions. This can result in a system with well-integrated processes that can perform much faster and more accurate than a manual system. Enrollment is the process of entering and verifying data of student to register on a particular school. Different interrelated processes build up enrollment procedures called Enrollment System (ES). ES is use particularly in recording and retrieving student's information. Tracking student's information is also one feature of ES, in which the college can trace the standing of a student. Verifying payments also added to update or browse student's billings. Enrollment System is a good example of a computer generated process. This can lessen the workload and provides accurate information needed of the college. As a result, it will benefit not only the student but also the administration as a whole.

Enrollment System is very essential in a school. In the case of SEUSL, it is composed of a manual system. Directress used manual system in recording and retrieving student's information. They also has information about

student's payment. In fact, they do all the record keeping just by using ball pen and columnar sheet. On the other hand, Registrar Department also used manual system as a way of recording and retrieving student information. Another department is Accounting Office that administers student's payment manually. Above my observation, human interventions will highly involve in this type of system. As a result, this may involve errors and redundancy of data resulting troubles in organization. This project is aim to design Windows based Enrollment system for SEUSL. This Windows based Enrollment system is an electronic way of facing the Enrollment via a Windows based application. There are so many Windows based Enrollment systems available in the market, which are design by the proper organization. Some of people still use a manual system. Users face many problems through the current manual system. Therefore, Windows based Enrollment system eliminates all this manual process and to provide easy, efficient and accurate software based solution to help in Enrollment activities.

This re-search will propose all features and procedures to develop the system. These re-search specially containing details about objectives, scope, design model, primary requirements and finally monitoring and reporting mechanisms. Windows based Enrollment System is very useful for enroll the course, save the time that will take to check the enrollment and prepare the course fee respites. It will help the global tech institute to testing of students and develop their skills. The effective use of "Windows based Enrollment System", any educational institution can be use it to develop their strategy for putting the courses, and for getting better results in less time. Windows based Enrollment is being launched because a need for a destination that is beneficial for both SEUSL and Users. With this site, Users can enroll the course and pay the course fees. This site is an attempt to remove the existing flaws in the manual system of enrolling courses. The re-search will enable SEUSL to enroll the course and view pay the course fees, and can view the balance payment of the students.

The project will enable students to register, select the course, payments of courses. College Enrollment System is very neatly designed project developed to the students of Global Tech Institute. It has modules of admission system and student management system. This software is very helpful to manage admission details. This is a JAVA – SQLITE Windows based Enrollment System. Here Administrator fills the form. First administrator fills the form, and then he uploads the data's. All the names of registered students with complete information are stored in a database, which is maintained. In this system a user, can Enrollment without any difficulty. This system is very useful to enroll courses, it has some modules. The modules are student details, authorization, course detail, Help module.

The software to be produce is on college enrollment system. There is a user. The first user is college authority user or the admin who has the maximum access rights than any other user. He or she has the right to edit add or delete the master details entered by them. These master details will be visible to the other user, which makes application helpful. The Admin adds college information to this software also providing their username and password. Any awards gained by the college will also be entered into the database and will be display in this software for user reference. The courses offered by this particular college will be display in the course menu along with their fee structure, number of years to complete a course and the subjects offered. After viewing all these information, if the user wishes to enroll to this college he must first register. The registration form asks for the complete details of the student including their contact, parent's information, previous batch details etc. The fee for the particular course can be paid through offline by paying it directly to the college.

Problem Statement

Existing system is manual and it is hard to arrange the courses, long process in giving course details and it is slow and waste of time and materials, because manual enrollment system have to consider about each User. It will take more spaces to keep the application forms and other materials. Transactions are not secure, so application forms, payment sheets may can lost, damage or change. Sometime this method does not satisfy the student about the payment of course. It makes difficulties in conducting the course. In addition, it is prone to human errors. In order to overcome the problem, I propose the Windows based enrollment system. Because there is only one-person view, update or delete everything, others cannot involve it. Therefore, it is more secure than the manual system.

Background of the Study

The formal paper based Enrollment system is a very long procedure to enroll the students in universities. Some system uses various paper materials and pens to process the manual enrollment. Some cases, students have to visit the college to enrollment. It takes a lot time and it cost a lot. In addition, some institutes are using computerized system like Access, Excel Based systems for enrollment, but they are not an effective one. Windows Based Enrollment System is a system for SEUSL and all users of the system can get benefit from it. In this system, it provides the User information, course details, and payment details. It conducted through the Windows based system in offline. It saves time as it allows number of Users to give the enrollment at a time and displays the results quicker than manual. Today many organizations are conducting Windows based Enrollment worldwide successfully and enroll the course. The advantage is that it can be enroll the student easily and decrees the manual works.

Objectives

The objectives of College Enrollment System is to provide a software, which helps the college management in recording all the information regarding students and the relevant information like registration, courses, payment etc. This system would be very useful for SEUSL enrollment system where regular evaluation of User is required. Specific objectives include Design to facilitate administrator and student.

Methodology

Methodology is one of the most important part of a developing a system or framework. There are so many types of system development model. Therefore to do this system we use the waterfall methodology.

Waterfall method

The waterfall approach is one of the oldest SDLC models, but it has fallen out of favor in recent years. This model involves a rigid structure that demands all system requirements be defined at the very start of a project. Only then can the design and development stages begin.

Once development is complete, the product is tested against the initial requirements and rework is assigned. Companies in the software industry typically need more flexibility that what the waterfall methodology offers, but it still remains a strong solution for certain types of projects" especially government contractors.
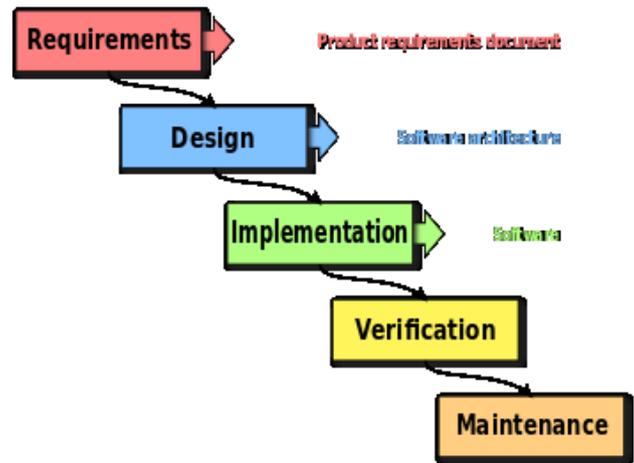
Figure 1: Waterfall Method

Research Design

Design is the abstraction of a solution; it is the general description of the solution to a problem without a details. Design is view pattern seen in the analysis phase to be a pattern in a design phase. After design phase we can reduce the time required the implementation.
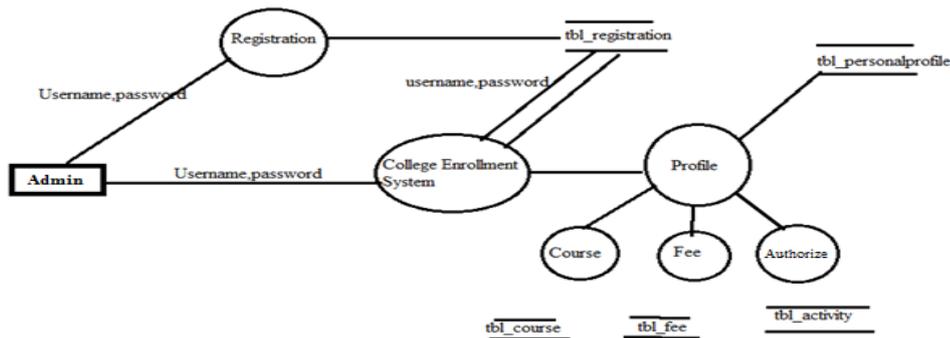

Figure1: DFD Diagram Level-1

The purpose of the system is to provide system administrator and Users with a central location for organizing various events. The purpose of this system provides the following reasons: No physical presence needed for courses, No wastage of time during evaluation, Instant availability of the payment details, In general, the system is much more preferred due to these reasons across various organizations and the world.

Here we have used primary and secondary data collections methods for collecting data regarding this window based application. We used observation; interview and discussion were hold as primary data. In addition, we used internet, research articles, and statistic reports as secondary data collection method. Information should be thoroughly analyze to get a clear understanding of them. Therefore, we analyzed the requirements gathered from administrators. The application consists of an initial login screen, which asks for user name and password to allow access to enroll the course. The details of the students and courses are stored in the database managed by SQLITE. Each time the admin to login with entered password is match with the corresponding user name and password in the database, which if successful is allow continuing to the welcome screen.

Benefits of This System

Windows based enrollment system saves time as it allows number of Users to give the enrollment at a time and displays the results quicker than manual. Administrator has a privilege to create, modify and delete the courses, course duration and course fees. In addition, allow administrator to create courses and update it. Another benefit is to make the system simple and easy to learn as possible. The user interface should be intuitive so that a moderate computer user would be able to use it fully, with minimum training.

It gives us particular data about how a student can enroll to a college, with an ease of use. The system is user friend and is less time consuming. The data will be save with in a blink of time into the database. It also generates clear reports for the needed user. This project is helpful in enrolling to a college offline without paying money to the applications. The detailed information about the college, student and other data will be provide in this system. Another benefit is to the system is simple and easy to learn as possible. The user interface should be intuitive so that a moderate computer user would be able to use it fully, with minimum training.

Discussion and Conclusion

This Windows based application provides facility to conduct Windows Based Enrollment System for SEUSL students. It saves times as it allows number of students to give the chance to enroll at a time and displays the results as the enrollment gets over, Administrator has a privilege to create, modify and delete the course details and course fees and its particular activities. User can login and see his course details, course payments and in charge lecturer of the course with specific national id no, and can see the details as well. The system has not only reduced the burden of all parties involved in the course process, but also improved the process by reducing errors. Windows based college enrollment system is to provide easy, efficient and accurate software based solution to help in students enrolling activities. The main biggest objective was to come up with a complete computerized, automated system and fulfill all the requirements.

At the end of the system we found that, this window-based application is a user-friendly system. Here, Files never miss, Can save huge number of files, System can save the time, complete solution to automate the enrollment information system. Advantages of proposed system are Data consistency, Better Data Accessibility, Data Security, Less Effort, Compactness, Save the Time, Time Flexibility, User-friendly interface. The constant checking with the requirements made sure that the developed system met the goals and objectives that were devise at the beginning of the system. The simple and intuitive user interface that design and develop easy to learn and use proved to be satisfactory for the user. The system allows users to complain easily and quickly when he wants to make a complaint to separate sections without any difficulties faced with manual complaint. So this system will help to make enrollment activities in a proper way with in a short period of time.

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