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College admission process

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ABSTRACT

Online College Admission Process System is software developed to work on complete admission process of a various branch of an organization like Student section and many more sections. This information could be the general details like student name, address, functioning, attendant etc or specific information related to an organization like a collection of data. In this process is not used paper and pen and it is difficult to maintain the paperwork and file record. In this project, we used to MySQL database system to store the student record in very large time. All students to provide unique personal registration number would provide unique identification would be using this system to access this information. For Example, the student course is complete then it needs to check the details like Enrollment number, exam attendance, registration number, year of study and more details. In this project, we used to reduce the paper work and saving the time. The main aim of this project at the same time many more information is stored at the same time.

Keywords: *Personal registration number, Java, Students, Unique, Content management system.*

1. INTRODUCTION

College Admission process is managed by an executive. The Database follows a unique event flow developed for such a system. Communication between the student/parents and the organization management is the sole Purpose of this software along with reducing the paper work to some extent. This system Benefits the administrator to access and verify the information of students.

College admission system manages with all kind of student details, academic-related reports, college details, course details, syllabus, batch details and other resource-related details too. It tracks all the details of a student from the day one to the end of his course which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters years, coming semester year syllabus details, exam details, project or any other assignment details, final exam result etc.

Our design can help us to inquiry all the activities happening in the college, even we can get to know which faculty is assigned to which course, the current status of a student, attendance percentage of a student and approaching requirements of a student. The college admission system is an automated version of manual college admission system. The details admit college details, subject details, student personal details, academic details, exam details.

1.1 Scope of System

There are many colleges in every city. Every college has many student and staff. Everyone's details like name, address, etc require storing safely and confidentially. This software is very much capable of storing all the details and keeping it safe. All records can be kept separately. All the student records can also be kept separately. This system provides high security. This system can be used widely for each coaching class which works manually.

1.2 Existing System

Currently, to sustain data about different aspects, the school or college is using manual process i.e., using ledgers and books. Now the school or the college needs a computerized or advanced environment where it is simple for storing data regarding student information, their attendance, faculty details, course details, marks reports, and schedules and so on. Using current manual flow it is the feverish job in sustain data and moreover, it is time taken or consuming. There is a total wastage of stationary products and more human resources and manpower effort is required. After we have computerized and automatic environment it replaces all these issues.

1.3 Advantages

- This system helps us to keep records electronically.
- This system reduces complexity and documentation work.
- This system does not require more people to handle.
- It is easy to use and transportable by using a pen drive or memory card.

2. SYSTEM DEVELOPMENT

2.1 System Architecture

System architecture aims at establishing requests for the system to be acquired, developed and installed. It involves studying and analyzing the ways of an organization currently processing the data to produce information. Analyzing the problem thoroughly forms the vital part of the system study. Problematic areas are identified and the information is collected. Data gathering is essential to any analysis of requests.[1] It is necessary that this analysis familiarizes the designer with objectives, activities and the function of the organization in which the system is to be implemented.

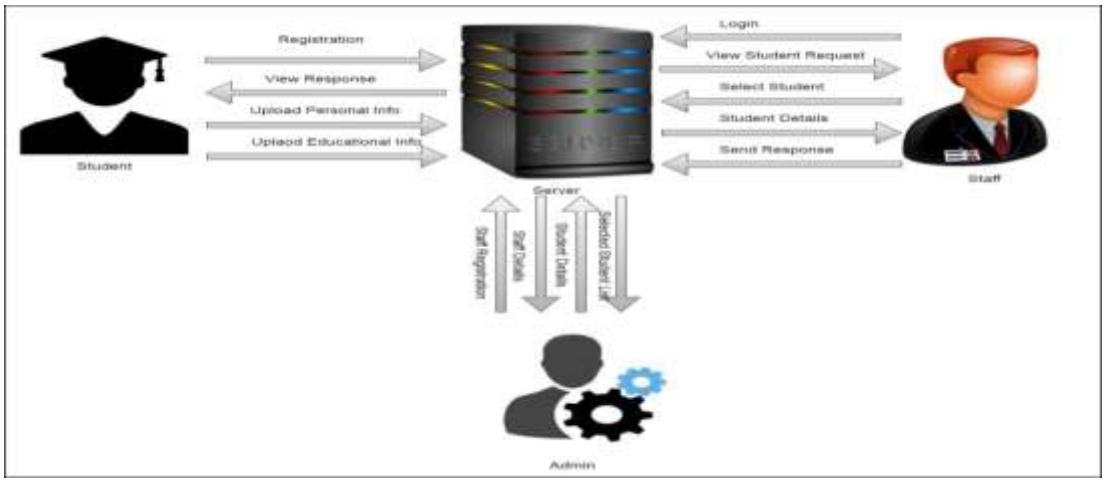

Fig 1 System Architecture

2.1.1 User Module

In this module, we are authenticating the users by providing user name and password. If user name and password is valid then they will be taken to their static screens. When they get matched with each other, system checks their status and transfer the control to respective user-interface.

2.1.2 Database Module

The system uses MySQL as its database and Apache Tomcat Server because of their simplicity and flexibility. This module store every single information about students, faculty, and model their data on specified operations

2.1.3 Staff Module

This module is designed for staff, which uses a mobile phone to take attendance, upload result and upload college notifications as well as a discussion forum. The entered admin details are encrypted and sent to the server for verification. Only after successful authentication, the operations are performed.[1] If username and password cannot match, he/she can enter into next static screen.

2.1.4 Notification Module

This module allows the department HOD to update students about any college-related information through notifications. The students can view notifications provided by the interface provided by the application. HOD can send a message to only available options like all student, all faculty, specific faculty and to all.

3. IMPLEMENTATION

3.1 Waterfall Model

Waterfall Model is the most common process to develop a project; this project is following this model too. Waterfall model is a linear sequential model. It is the oldest software paradigm. The software development used in different phases of Planning, Analysis, Design, Coding, Testing.

Fig 2 Linear Sequential Model

It regards creating a set of plans to help guide your team through the execution and closing phases of the project. The plans created during this phase will help you to manage time, cost, quality, change, risk, and issues. After obtaining the approving, the next phase is analysis. Gathering and analyzing the system and user requirements is essential for entry to the design step. With the user requirements gathering completed, there is a need to prepare the resources for the project.

The conclusion on the proper resources to be used is further detailed under the subsections below. The next step is to design the system and database structure. Results from the analysis and preparation that were concluded from the previous stage are put into action. With the user requirements in mind, the town of the system is planned and the user interface is designed to suit their easy navigation needs. In addition, the number of tables, attributes, primary and unique keys of the database is listed.

After completing the design, actual coding begins. The database is created and codes are written. Some of the codes required amendments and improvement to it so these are being developed this fourth stage of the waterfall model. With the development completed, testing will begin. The codes and database are tested to ensure the results obtained are as intended. More time is gone on both development and testing stages because it is unavoidable to have misprints and issues and fender time is allocated for troubleshooting.

3.2 Snapshot of Project

3.2.1 Home Page

Fig 3 Home Page

3.2.2 Student Registration

Fig 4 Student Registration

3.2.3 Student Login

Fig 5 Student Login

3.2.4 Student Personal Information

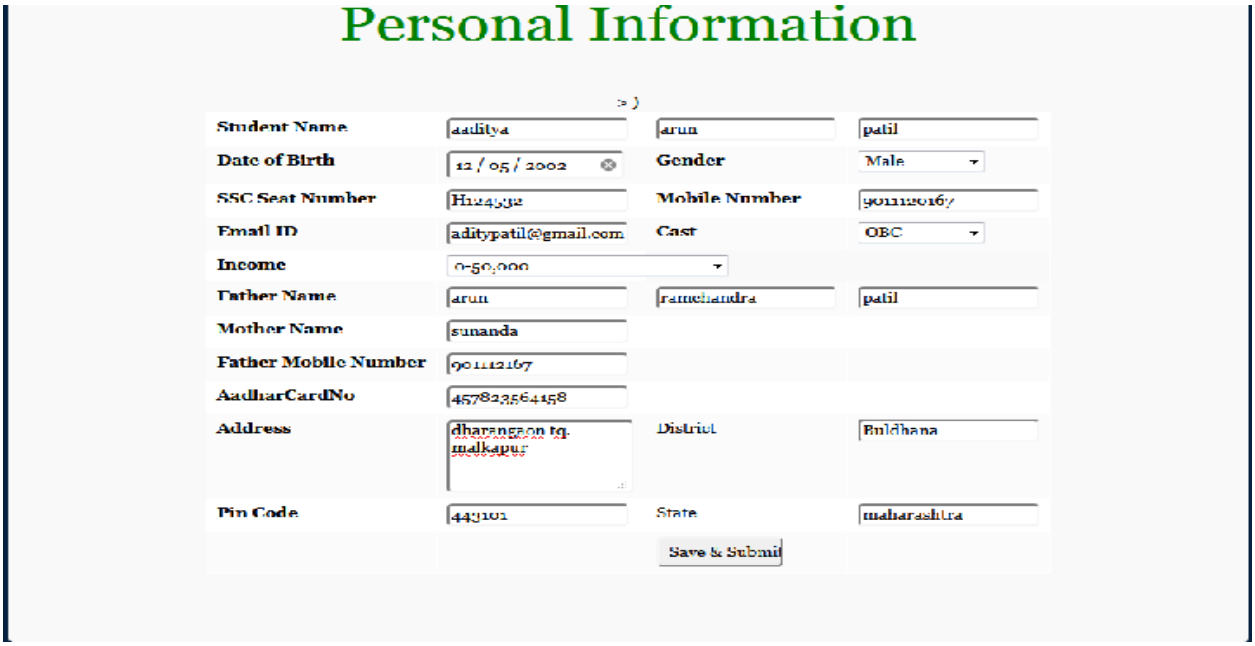

Fig 6 Student Personal Information

3.2.5 Student Document

Fig 7 Student Document

3.2.6 Admin Login

Fig 8 Admin Login

3.2.7 Contact Us

Fig 9 Contact Us

4. RESULT

It is an online system for our college of the university. It comprises of admin and student units. Each sub unit of office is a great helping hand for providing the actual processes for a student like student and account. Executed outcome result of our College student admission will be done online and by confirming the documents of the scanned copy by each of the students online by admin authorities. Each and every process comprises of the authentication of the form will be confirmed by admin units of the college and after the whole completion of guidance process, a branch wise list will be prepared with detailed information of student which will ease the work of the department and their faculty to further more stages.[3]

5. CONCLUSION

In this way, we are going to develop College Admission System, which is helpful for reducing in manual work so fewer work forces required. Students' records can be accessed within few seconds. Our system primarily focuses on building an efficient and user-friendly communication system for the educational institutions. And also the student gets notified of current notices in college by the application developed by us.

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