

# Web Based College Admission System

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**Abstract** - College Management Software is web enabled software designed to manage the entire Operations of an institution. College Management Software is a simple yet powerful one joint integrated platform that connects all the various departments of an institution like Administration, Account, Student section, Student and many more specialized modules. We have seen over the years that the process of notice boards, important notification about academics has been carried out manually almost across all educational institutions. The process is not only time consuming but also inefficient. Today, we need not to maintain paper based Notice boards. Also in this system we are going to add the web based technology using which we can get the notifications given by the institutes. Following this thought, we have developed a system based on the concept of web services which is implemented on Android mobile application as well as on PC that communicates with the database residing on a remote server. The Unique ID system provides unique identification numbers to the persons who using this system. UID Number which would not just help the admin to track down individuals, but would make life far easier for users as they would not have to submit multiple documents each time because those will be available and to be used.

**Keywords** - CMS, UID, HTML

## I. INTRODUCTION

Today all the work at the time of admission of the students is done manually by ink and paper, which is very slow and consuming much efforts and time. In the modern world of technology, computer are affecting our lives in more ways than we probably are aware of. COMPUTERIZED MANAGEMENT maintaining information of an educational institute, colleges, other the list is endless. The main principle behind the need of college admission system is easy supervision of institutes[6]. It can handle the details of students such as fee details or marks details. This Student Database has been designed taking into account the practical needs to manage a Students data. Moreover, it provides security at product level as well as user level. Its design concentrates on 3 types of users:

1. Admin
2. Students
3. Account
4. Student section

This Database follows a typical event flow seen in such a system. The design and implementation of a comprehensive student information system and user interface is to replace the current paper records[1]. This system is intended for communication purpose between users of academic institutions. This system helps the administrator to easy access the information of students. This system is also helpful for the administrator because he/she can easily bring changes to the records of the students. The mobile application would require connecting to the database on a remote server using Wi-Fi technology. Our system primarily focuses on building an efficient and user friendly Android mobile application for a Cloud based Intra-College Communication Information System using Mobile Clients. The application will be installed on the users (student/teachers) Smartphone[9]. Here the concept of unique ID is also included using which the each student gets one unique identification number by email. This id will help to access his info or find him from multiple students[7].

## II. BACKGROUND AND RELATED WORK

The main aim of our project is to develop the application which will be useful in college admission system. As this college management system project includes the admission process of student, starting from when the student takes admission in college in first year till that student completes his course and collect leaving certificate from the college[6]. The requirement of the student is to:

- Login to the system through the first page of the application.
- New student registration after logging into the system.
- View/change his/her details.
- Can get help through the help option to view different features of the system.
- Admin login should be present who can read as well as remove any uploads.

The student details in separate records are tedious task. Referring to all these records and updating is needed. Since the number of students are growing and management has to handle records of all of the students, it is facing the little bit problems in maintaining the records of students.

### III. PRESENTATION OF THE MAIN CONTRIBUTION OF THE PAPER/SCOPE OF RESEARCH

#### *Problem definition*

Today all the work at the time of admission of the students is done manually by ink and paper, which is very slow and consuming much efforts and time. It is required to Design of a Computerized Automated Student Admission System, to speed up and make it easy to use system. The administrator would maintain the accounts of the pupil and all authorities related to students are given to admin so all the sections work under the observation of the admin[10]. By reducing those drawbacks we create a web based application for managing the admission of the students. This is a online system which includes firstly the admission of new student and also generate the fee payment receipts also the scanning and uploading the students documents and saving it with permanent unique id provided. In this notification providing concept the hierarchy of sending notice is taken in to consideration. Means the person having highest priority can send the notices to the persons having lowest priority than them[9].

#### *Objective*

The main objective of this system is to reduce consumption of time during maintaining records of college admission process. Separate division are provide to maintain record of student and fee details. In other word our college admission process has following objectives:

- Simple database is maintain.
- Easy operation for operator of the system.
- User interfaces are user friendly and attractive.
- It take very less time for operator to get use to with system.
- User must be able to send mails using this system.
- User must be able to join a particular group or leave it at will.
- User must be able to send messages to other users.
- Notices will be circulated easily.

### IV. PROPOSED METHODOLOGY AND DISCUSSION

#### *Need of proposed system*

The main objective of the existing system is to provide a user-friendly interface. The system, which is proposed, now computerizes all the details that are maintained manually. Once the details are fed into the computer there is no need for various persons to deal with separate sections. Only a single person is enough to maintain all the reports. The security can also be given as per the requirement of the user and those requirements are: Large volumes of data can be stored with ease. Flexible maintenance of file or data is possible by using this system. Records stored are updated easily without more efforts. Stored data and procedures can be easily edited. Reports can be generated with ease. Accurate calculations are made, and the more important advantage from this system is less manpower required.

#### *System design*

This deals with data flow diagram, detailed flow graph and the design process of the front and back end design of the student information management system.

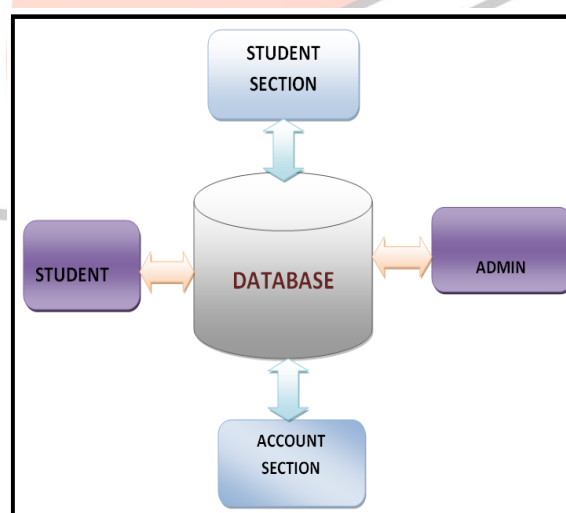


Fig 1. System Architecture

#### *The detailed flow graph*

The detailed flow is shown in Fig. 2 .The design of the student information management system includes the design of the home page which provides the way for all the students, staff and other user to access the SIMS. Every user of the SIMS has a unique username and password provided by the web master of the college. The home page mainly contains a login form through which a new user can register, or an existing user can login to the system by entering the username and password provided by the web master.

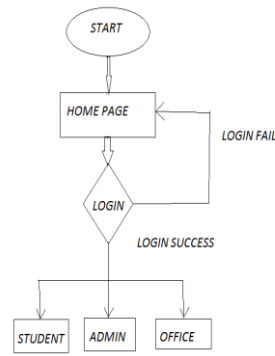


Fig.2. Detailed Flow Graph

**Student:**

The student is of center focus, because in every college student plays the very important role. The main work of student in college is to take the admission, so our project starts with the student admission.

**Administrator:**

The administrator is responsible for entering the new student, providing the individual login id to each student. Managing the student accounts like any changes regarding to the name, address etc.

**Office:**

In office section there are many subsections like exam section, student section, account section. Office contain many kind of work related to students. In college management system office section responsible for all document work of student.

**V. EXPERIMENTAL RESULTS**

Our College Admission System is online for student. It includes admin, student and office sections. Each section of office is helpful for student like exam, student and account. Experimental result of our College Admission System is student's admission will be done by online.& notice board application which is based on android is give notification to each section[9]. Each process includes in requirement of our project are going to be fulfilled.

**Input:**

Input will be details of students like marks, personal etc while filling the admission form. Also the notice will be send for check whether the student gets the notification.

**Output:**

That admission form will get submitted by student with student's fee details and admission of the student will get confirmed. And all the student details will be available and accessible as per the requirement of the various sections in the college. Also the student will gets notified by message.

**Analysis:**

After filling the admission form student will go for account section and here the accountant will enter the Unique ID No.[7] provided by Admin Then after verification of the form will be done by student section.

**VI. CONCLUSION**

In this way we are going to develop college management system, which is helpful for Reduction in manual work so less manpower required. Students' records can be accessed within few seconds. Clarity in account section. Our system primarily focuses on building an efficient and user friendly communication system for the educational institutions. And also the student gets notified for current notices in college by the android application developed by us.

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**REFERENCES**

- [1] Zhibing Liu, Huixia Wang, Hui Zan "Design and implementation of student information management system." 2010 International symposium on intelligence information processing and trusted computing. 978-0-7695- 4196-9/10 IEEE.
- [2] Zhi-gang YUE, You-wei JIN, "The development and design of the student management system based on the network environment", 2010 International Conference on Multimedia Communications, 978-0-7695- 4136-5/10 2010 IEEE.

- [3] TANG Yu-fang,ZHANG Yong-sheng, ,“Design and implementation of college student information management system based on the web services”. Natural Science Foundation of Shandong Province(Y2008G22), 978-1-4244-3930-0/09 2009 IEEE.
- [4] M.A. Norasiah and A. Norhayati. “Intelligent student information system”.4th International conference on telecommunication technology proceedings, Shah Alam, Malaysia, 0-7803-7773-7/03 2003 IEEE.
- [5] Jin Mei-shan1 Qiu Chang-li 2 Li Jing 3. “The Designment of student information management system based on B/S architecture”. 978-1- 4577-1415-3/12 2012IEEE
- [6] S.R.Bharamagoudar1, Geeta R.B.2, S.G.Totad3 “Web Based Student Information ManagementSystem” International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 6, June 2013.
- [7] Mrs. HemangiKulkarni, AniketYadav, Darpan Shah, Pratik Bhandari, SamuyaMahapatra “Unique ID Management” AniketYadav et al ,Int.J.Computer Technology &Applications,Vol 3 (2), 520-524.
- [8] Rajan Vohra1 &Nripendra Narayan Das2 “Intelligent Decision Support Systems For Admission Management In Higher Education Institutes”International Journal of Artificial Intelligence & Applications (IJAIA), Vol.2, No.4, October 2011.
- [9] Swapnil S. Bangare, Atul S. Mhaske, Sagar A. Sune, Harshal D. Pranjale “Cloud based Intra-College Communication Information System using Mobile Clients” International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 2, Issue 2, February 2013
- [10] Er. Saurabh Walia1, Er. SatinderjitKaur Gill2 “A Framework for Web Based Student Record Management System using PHP”IJCSMC, Vol. 3, Issue. 8, August 2014, pg.24 – 33

#### BIOGRAPHY

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