Online Admission System

Laxmidhar Zainab1 Karkera Minal2 Ansari Rukhsaar3 Er. Shrinidhi Gindi4
1,2,3,4 B.E Students 4Assistant Professor
1,2,3,4 Department of Information Technology

M.H.Saboo Siddik College of Engineering, Mumbai University, Mumbai, India

Abstract— As the population of students is growing tremendously over the time so it becomes very difficult for registering, recording, retrieving and updating each record of the student. And during peak transactions time for each semester registration lines are getting to be too weak which leads to longer waiting time for students and longer processing time. With the current process involved and mounting the complaints of the students and the faculty, and taking into consideration all the difficulties of them there is a need to develop an online admission system for minority. 

Key words: Admission, Candidate, Minority, Form, Merit 

List 

Fig. 1: Pie chart showing distribution of seats

The above figure shows the distribution of the total seats of the institute. 49% seats are reserved for the admission of candidates from the CAP round. The other 51% are reserved for the admission of minority category.

I. INTRODUCTION

The main aim of this system is to provide computerized admission process for the higher courses in studies and to reach the geographically scattered students i.e. the students who reside far away in the different states, thereby reducing time in activities, centralized data handling and paperless admission with reduced manpower. Its other factors are cost cutting, operational efficiency, consist view of data and integration with other institutions. Main challenges are effectively synchronisation of internal and external operations in such a manner that job can be finished within time limit and integration with different agencies on an agreed upon common data format. Online Admission System is aimed at developing an online admission application for a college. This system is an online system that can be accessed throughout the organization and outside as well with proper login provided. Our system has two type of accessing modes, administrator and user. Student management system is managed by an administrator. It is the job of the administrator to admit and monitor the whole process. When a user log in to the system. He would only view details of the student. He can't perform any changes .manual maintenance of student admission is very difficult. Hence, the need for online admission is inevitable.

In case of manual system they need a lot of time, manpower etc. Here almost all work is computerized. So the accuracy is maintained. Maintaining backup is very easy. It can do within a few minutes. Today in college student details are entered manually. The student details in separate records are tedious and time consuming. Referring to all these records and updating is needed. There is a chance for more manual errors. When the student comes in college. First of all, he/she takes admission form from reception. Fills it and submits it into office. Filled form is first checked with documents like merit list an details came from university and verified by an official person , if there is any mistake then it is corrected. At the time of submission of it the fees is deposited by the candidate. At the time of submission of admission form admission no. is assigned to the candidate by the institute. The application process will be as straightforward as possible, using an intuitive form layout, with the necessary information being completed in stages. The system will monitor this and not allow a student to apply to a single course more than once, but will allow them to apply to multiple courses in the same college. When an application has been completed by a student, they will be able to log in to the system at any time and view its status.

II. PROPOSED SYSTEM

The online admission System is to computerize the admission process for engineering courses. Its basic objectives is to extend their reach to geographically scattered students that is the students that are far away or in the different states, thereby reducing time in activities, centralized data handling and paperless admission with reduced manpower. Its other factors are cost cutting, operational efficiency, consist view of data and integration with other institutions. Main challenges are effectively sync internal and external operations in such a manner that job can be finished within time limit and integration with different agencies on an agreed upon common data format.

The objectives of the proposed system is to address the limitations of the current system. The requirements of the system have been gathered from the defects recorded in the past and also and based on the feedback from users of previous metrics tools.

A. Buying Forms:

In the traditional system, the students had to come to the college to buy forms as well as to submit them. In our system, we provide student the facility to pay for the form online via card or bank transaction. If the transaction is successful, the student will be allotted the unique User id and password. Then he/she can login using this id and password and should click on profile where they will see the option of filling the registration form.

B. Filling the Form Online:

After the payment, the students can then proceed to fill the registration form online. The student has to fill all the details which include Personal and Educational details. Student can then proceed to submit the form. After the submission, the
data will be entered in the database. The student can then take the print of the form. The data once entered by the student cannot be edited.

C. Verification of Data:
The student data can be verified or modified by the assigned staff only.

D. Defining and Assigning Roles:
The user can be assigned role such as admin, staff, student, etc. Each of the roles have certain privileges which are granted by the admin of the system. Some of the privileges include changing profile, activating/deactivating registration form, generating merit list, etc.

E. Generating Merit List:
The admin can generate the merit list just by the click of the button. The student data will be sorted and the merit list will be displayed. The students will be able to view this list online.

F. Allocating the Seats:
Following the day after the merit list has been displayed, the students will be allotted the seats as per their preference and availability in the respective fields. The remaining amount of seats will also be displayed.

G. Overview:
1) Common interface on web accessed by everyone.
2) Online availability of the admission forms along with the online submission.
3) Central database having all the information about the candidates courses, seats.
4) Sending call letters to online users on e-mails call letters will contain centre for examination based on preferences given by the candidate drawn out from the database.
5) Geographically scattered students can approach to the institute.
6) Trace of all the institute courses and the seats in each college falls under the institute.
7) Marks details and verification of filled forms for eligibility checking through online contact with institute. Online counseling procedures having various phases.

III. RESULT AND ANALYSIS

Fig 1 illustrates that the student has to purchase the registration form by visiting the website.

The student enters the E-mail ID on the form and has to select the mode of payment i.e credit card or by bank transfer. then on the completion of this activity the student will be getting the userID and the password which will be generated on the spot.

Fig 2 shows the admission form in which the student has to provide with his/her personal details like firts name, last name, father’s name, mother’s name, date of birth.

Fig 3 illustrates the qualification details part that has to be filled by the student. In this part the student has to fill the qualification details like 10th SSC mathematics score, 10th SSC aggregate score, 12th HSC Physics marks, 12th HSC mathematics marks, 12th HSC Chemistry marks, 12th HSC English marks and finally the student has to enter the aggregate score, now this part of entering the marks is done and next the student has to enter the SSC Board from which he/she have passed out, passing year of SSC, SSC Seat no, HSC board from which he/she have passed out, passing year and seat no of the student etc.
Fig. 5: Saving and submitting the form.

The above figure illustrates that after filling the form completely the student has to save and submit the form.

IV. CONCLUSION

In the existing system, the maximum work is done manually and is an error prone system, takes time for any changes in the system. The big problem is the searching, sorting and updating the student data.

The Online admission system provides automation in all the aspects of minority admission such as online payment for form, registration, and checking the merit list. The system gets automated in the online registration. The admin can see the user information and will validate it. He will generate the student merit list based on their scores. He can also allocate the seats to the students according to their preference.

REFERENCES

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