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Automated Online College Admission Management System

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ABSTRACT

Automated Online College Admission Management System is software developed to work on web-platform to manage the complete admission procedures of various departments of an institution like, Finance Section Administration, Student section and many more sections. Over the years that the process of admission, notice boards, important declarations about academics and administrations are being carried out manually through paper and pen which is very time consuming and really a big headache to maintain all that record at some place. .This paper-pen process is not only time consuming but also inefficient and it's difficult to maintain the paperwork and the records. Through this software we are trying to overcome the problem of maintaining paper based records and focussing on the digital library. In addition to record based technology, we would be sending pushin notifications given by the institutes and the very same portal would be again used to notify the students and even the parents about the announcements digitally. Keeping all these points in mind, we have developed a web tool which is implemented using web-services that would connect with the database established on a remote server. The Unique PRN would provide unique identification to all the students who would be using this system. PRN Number would not just help the admin to keep the track of students, but would make it easier for the students as the student don't have to go through the pain of submitting multiple hard copies of the documents and proofs each time the institution requires it. Automated Online College Admission Management System is a simple yet effortful tool that would result in reducing the paper-work easy for the institutions as well as the students who would use it.

Keywords :- PRN(Personal Registration Number),CMS(Content Management System),JAVA

I. INTRODUCTION

 In today's time, inspite of technology advancement still all the admission process be it be the college or school admission it is being carried out manually using paper and pen which is very inefficient and

utilizes much efforts and time. In this present century of technology where computers are being used everywhere, they are being used as an alternative to pen and paper. The database can digitally store more information about users in less space and in very less time the very basic principle behind the necessity automated college online

admission system is peaceful observation of institutes. This tool can easily store the details of students such as fee details, documents details and admission details. This Student Database has been designed taking considering the practical needs to manage a Students data. Its design focuses on 2 types of users:

- Admin
- Students

 The Database follows a unique event flow developed for such a system. Communication between the student/parents and the institution 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. This Automated Online College Admission Management system benefits the administrator as he can send pushing notifications and make announcements which are directly received by the students and parents. The concept of Personal Registration Number or PRN is also included using which the each student gets one inimitable Identification. This id will help in future to access information or find student among several students of the college.

II. BACKGROUND AND RELATED WORK

The main aim of our project is to advance the application which will be useful in college admission system. As Automated Online College Admission Management System Project comprises

the rank allotment, documents upload, admittance procedure of student initial from when the student takes admittance in college in first year to final year of the student. The requisite of the student is to:

- Login to the system through the first page of the application.
- View/change his/her details.
- Can get help through the help of choice to view different features of the system.
- Admin login is present through which the official person can verify the details, modify and update the branches and maintain the students information

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

a) Problem definition

In today's scenario the counselling of student Admission is done manually through hands by ink and paper, which take large amount of time and causes strain and struggle for the administration. It is important and needed to Design an online Student Admission management System, to pace up the work and make it easy way to use system By shrinking those drawbacks we create a web based application for handling the admission of the students. This is an online system which includes firstly the admission of new student and by giving their preferred branch according to their CET rank and by verifying and validating students documents and by continuing it to further process by generating the fee payment receipts, documents and saving it with the scanning and uploading the student's permanent unique id provided.

b) Objective

Why we making this online system is to reduce the work load and easy the process and to give the desired functionality ingesting of time during the keeping the records of college admission procedure

The main objective in online Examination is main Counselling system is to offer an approach for easy and fertile management of all components included in counselling. As developers We have perceived the information as :

- To provide a counselling provision for the students.
- It manages the database of the students on the basis of higher secondary results, rank and their PRN.
- To assign branches according to merit list prepared according to their common admission test result..

- To maintain a final allotment for the students and their details branch wise.
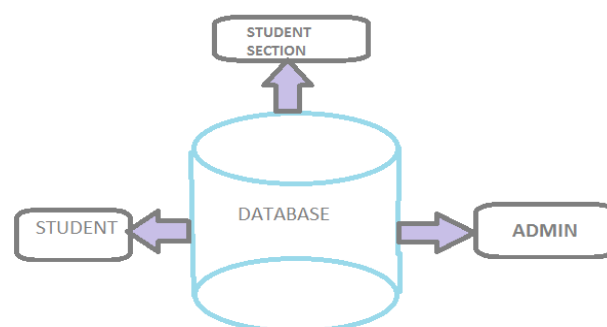
IV. PROPOSED METHODOLOGY AND DISCUSSION

a) Need of proposed system

The need of this system is to maintain a proper user-friendly communication. The scheme, which is created, now generates all the details that are recalled manually. Once the details are saved into the system there is no need for numerous persons to deal with distinct sections. Only a particular person is enough to preserve all the reports. The haven can also be given as per the implementing needs of the user and those needs are: big volumes of data can be stored with easy.. Records stored are modified with much ease without taking numerous efforts. Stored data and procedures can be easily modified .smooth calculations are done, and the Main important benefit from this system is it provides a good way of managing the thing in an better implemented way and large amount of work can be done in less interval of time

b) System design

This play with how the data flow through the various processes, comprehensive and detailed flow graph and the procedure flow of the front end and back end make of the student information running system. There is one database which deals with student section, student counselling process which holds its verification and validation process and admin section which holds the authorities for all the processes to be implemented.

Fig. 1- System Architecture

c) The detailed flow graph

The implementation of the student information running system comprises of the creativity of the home page which

gives the best interface for all the students, and admin login. Every user has its own unique username and password provided by the college authorities. The home page mainly contains a login through which student and admin can login to follow it to further way.
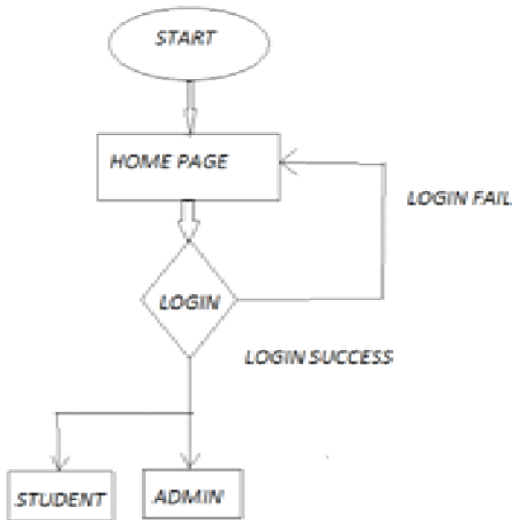

Fig.2- Detailed flow graph

1) **Student:** The student starts with login with their login Id and passwords provided by admin, through which they can process for their counselling process, they will have to add their three branch preferences in the given time and upload their documents which will be verified by authorities and an conformation will be given to them by the dynamic page.

2) **Administrator:** admin plays the crucial role as all process is implemented by admin units.The administrator is liable for entering the fresh Student, by giving the distinct login id to each student. Handling the student interpretations like any alterations regarding to the name, address, branch, seats etc. or by modifying or deleting the records.

V. EXPERIMENTAL RESULTS

It is an online system for our college of the university. It comprises of admin and student units. Each subunit of office is a great helping hand for providing the actual processes for student like student and account. Executed outcome result of our College student's admission will be done online and by verifying and validating the documents of the scanned copy by each of the student online by admin authorities. Each and every process comprises of the requirement of our project that are going to be executed in an better implemented way.

a) *Login module:*
Input will be particulars of students like academic summary, particular etc. though satiating the admission form. the receipt of conformation will be there to plaid to check the student gets the conformation about the details he gave . The functionalities of the administrator and student are stated and fruitfully tested.
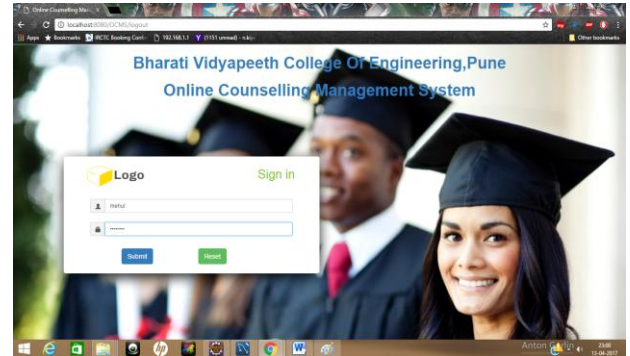

Fig.3- Login Page

b) *Branch allotment module:*

That admission procedure will be processed with student's documents verification and fee specifics and admittance of the student will get confirmed. And all the student details will be retrieved whenever any department or college section or unit wants it as per what they. The student will gets conversant by message by the college sector about their conformation report.
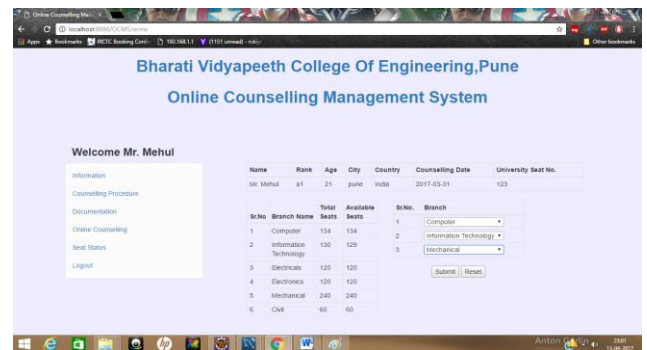

Fig. 4- Online Counselling

c) *Analysis of the database:*

After going through the admission procedure student will go for documents uploading and here the checker will enter the PRN No. provided by Admin section. There after

authentication of the form will be verified and validated by admin units of the college and after the whole completion of counselling 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.

VI.   CONCLUSION

By this project we are making to heighten and implement the improvements in college counselling system, which is good and an easy way for reduce in hand work and making less handwork necessary. Students' database can be retrieved within quick interval of time proper maintaining of records can be achieved. Our system presently aims on creation of an   good management system for the college universities. system will solve the problem of seat status by showing dynamic display of the seat status after every session of counselling, so that student can select their seat preference accordingly in an hassle freeway which will make a clear impact for selecting their desired branch in an quick interval of time. This online counselling management system will do the best for the needful who are at very large distance and will clear information about the process so that counselling

can be implemented in an smooth way and by reducing the efforts and by increasing the efficiency in the college work process.

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