Student Admission Management System for Regulating Admission Process

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Abstract - Today, the Admission process is mainly based on paper – pen work, that results in a lot of confusion with regards to uploading of important Documents and their availability, Fee receipts, Form filling, finding out the current status. Moreover, these tasks are carried out manually. Not only is this a time-consuming process but it is also quite a difficult job to maintain the records of more than hundreds of students. The need for a software-based technology that helps to regulate and manage the admission process is emerging.

The Proposed System provides a simple, hassle-free platform that enables teachers to look into the Current Status of Admission process, Student Fee Details, their Attendance and much more as well as notifies Students about Upcoming Events and important notices. The System emphasizes security of documents as only authenticated users will be able to access data in addition to storing of data in an organized manner under one Integrated platform. It aims to reduce Redundancy, minimize Time consumption and overcome other drawbacks of manual paperwork. It empowers the communication between both teachers and students regarding academics and entitles Parents to have a look at their children's academic performance. To conclude, the use of this system will result in increase in performance along with easy Admission Management to the teachers as well as students who might use it.

Key Words: LAN, Computer Laboratory, Assignments, Attendance

1. INTRODUCTION

In Today's world, technology is rapidly pervading many fields of human endeavor [4] .Nowadays most educational institutions are still using traditional pen-paper techniques to keep record of students names along with their performance

At present the Important Details of Students becomes a more integral part of admission process and it becomes essential to maintain such details for future events[5]. Every college has a particular Student Admission Procedure however it is mostly centralized on written records.

The problem with written records of any type is that it can be duplicate ,redundant and does not provide much security to sensitive information and has higher probability of being leaked

The biggest challenge for a writing based admission management system is loss of important data and even documents getting lost .It is therefore quite important to manage and maintain records without being dependent upon unreliable system
However, most of the college Computer admission system management methods are outdated and cause heavy work pressure for staff members. This system will be beneficial for teachers which will minimize their documentation work as well as reduce time.

1.1 Objective
This Project's aim is to manage students records efficiently. Analyzing their performance and marking their attendance and controlling their activities based on following functions
-By reducing manual work that would've been done in case of conventional writing-based systems
 -Easy retrieval of data about students is provided
-Maintaining, managing student records by organizing in an efficient manner

2. LITERATURE SURVEY

2.1 Related Work

Jadhav S. B., Supekar B. S., Wakole V. K.,"Web based college admission system"[1] Computerizes all the details that are maintained manually details are fed into the computer there is no need for various persons to deal with separate sections a single person is enough to maintain all the reports .

Gupta M., K.K Iyer, M.R Singh, Kadam A.k,"Automated Online College Admission Management System."[2] The implementing needs of the user and those needs are : big volumes of data can be stored with ease records stored are modified with much ease without taking numerous efforts stored data and procedures can be easily modified smooth calculations are done.

Budrani D.,Mulchandani V.,"Student Information Management System"[3] Design and implement of student information system is to replace the current paper-based records college faculties are able to directly access all aspects of a student's academic progress, attendance details, and various activities of students through a secure, online interface.

Geeta R.B, S.G. Totad,"Web Based Student Information Management System"[4] A simple interface for maintenance of student information it can only be used by educational institutes or colleges to maintain the records of students easily creation and management of accurate, upto-date information regarding a student's academic career is critically important in the university as well as colleges.

Krithi P. , Dr M Ramakrishna ," Student Management System "[5]Application software which is deliberated to begin with exchange of information in a secure manner to affiliate with students, faculties, parents and the college /school administration.

Dharni Negandhi, Aastha Mishra, Akshay Doshi, Sunidhi Desai, Rasika Thakare, "Online College Admission System"[6] In this system authors are going to develop online college admission system, which minimize the time required for the manual admission process system. Records of the students can be produced easily in a short span of time. Workflow of the process will lead to efficiency and will be user friendly.[6]

2.2 Problem Statement

It is observed that manual paperwork of admission based management system leads to time inefficiency ,duplicate records and loss of data .Keeping record of each and every student is difficult for every GFM and also student have many doubts regarding admission process. To overcome this problem we are developing **"Student Admission Management Using Software Based Technology To Maintain Admission Records "**.

3. PROPOSED SYSTEM

This explains the flow of online admission system. There will be three modules in which the process will be conducted. Firstly, the details of student will be accepted from user and then it will be transferred to the server. The student details will also be stored in the database. Secondly, the data of student will be stored on server after that access to admin will be given to server for retrieval of student information. Lastly, after verifying the details a message(verified) will be generated and will be sent to student ID through server.

Over the recent years, the performance and efficiency of the education industry have been enhanced by using the Student Management System. This tool has productively taken over the workload of the admin department with its well-organized, easy, and reliable online school management software.
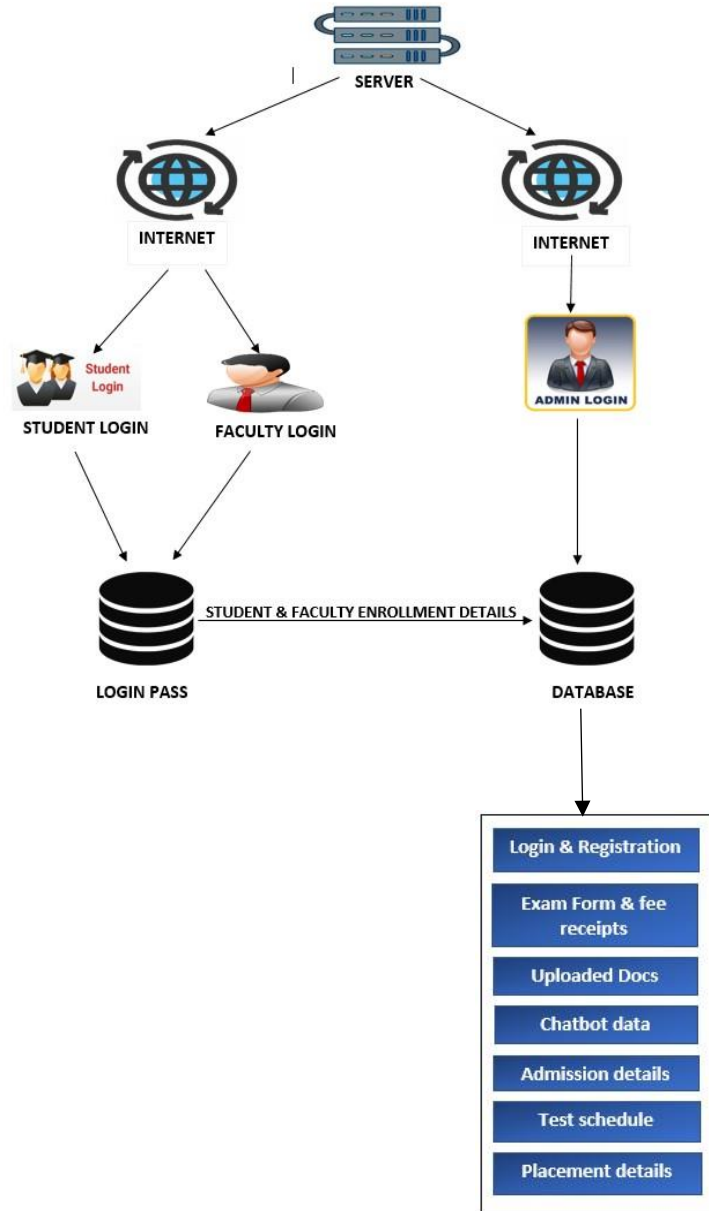
4. WORKING METHODOLOGY

Fig-4.1. Architecture Diagram of proposed system

WORKING METHODOLOGY

4.1 Login

There will be three login forms for student, faculty and admin respectively. In student login, students will have their own login credentials i.e.by entering valid email-id and passwords they will get access to the system. Similarly in faculty login, faculties will also have their separate login credentials to authenticate themselves. Admin will have a separate login where he/she can monitor and control the overall system.

4.2 Registration

The students and faculty who are going to access the system
for the first time have to initially register themselves by   creating a valid user id and passwords in order to have   access to the system.

4.2 Student details and file uploadation

After logging, students can perform various operations like fill exam form & submit fee receipt for the same, add required educational details and based on which can view the placement section for suggested companies, can view and download files uploaded by the admin & faculty, also can view the important notices, can apply for an online exam and can have conversation to the desired faculty through chatbot.

4.3 Faculty monitoring and files handing

After logging, faculty will be able to view all the student related information regarding exam form, paid fees, can upload files from their side, schedule a test and can respond to the student's conversation through chatbot.

4.4 Administration

The administrator has full control of the system. He will be responsible for adding new student and faculty by providing separate user id and password, managing students and faculty accounts, can even upload files and send important exam and any upcoming events notifications.

Fig 5.2 New registration

Fig 5.3 User Aggregate

5. MODULE IMPLEMENTATION

5.1 Student Module

Fig 5.4 Notifications

5.2 Faculty Module

5.3 Admin Module

Faculty Login

Email :	shreya@gmail.com
Password :	••••••
Login	New Registration

ADMIN LOGIN

Username :	admin
Password :	•••••
Login	

Fig 5.5 Faculty login

5.8 Admin Login

Upload Stuff

Select File :	Browse... No file selected.
Course :	java
Select Duration :	—Select—
	Submit

5.4 Contact us Module

Upload Hall Ticket

Select Hall Ticket :	Browse... No file selected.
Semester :	—Select—
Select Student :	—Select—
	Submit

5.9 contact gfm

Fig 5.6 upload files
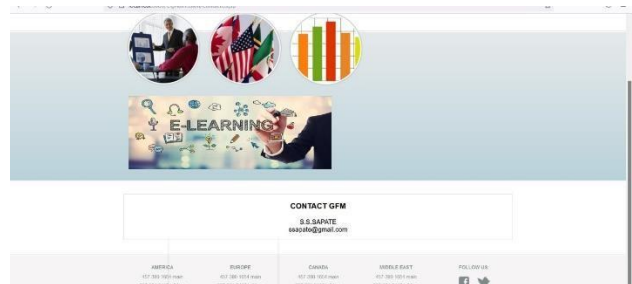
Student Information

Sr.No	First Name	Last Name	Gender	Email	Mobile	Course	Duration	Exam Form	Result
1	Raju	Ram	male	raju@gmail.com	9568554231	java	3 Month	Check Status	See Result
2	Ram	Raj	male	ram@gmail.com	8765432211	java	3 Month	Check Status	See Result
3	Yash	Patil	male	yash@gmail.com	9876543211	java	3 Month	Check Status	See Result
4	Karan	Kumar	male	karan@gmail.com	9876543211	java	3 Month	Check Status	See Result
5	pratiksha	kolekar	female	pratikshakolekar79@gmail.com	9856327562	java	3 Month	Check Status	See Result
6	malishka	salke	female	salkemalishka@gmail.com	9876531464	java	6 Month	Check Status	See Result

Fig 5.7 Student information

FUTURE SCOPE

The proposed system helps in keeping track of admission related documents

-The system integrates large number of resourceful
 data useful at times of registration. Data retrieval Student- Ms. Misbah Bagwan, has been simplified at times of need, without having
 -The system can only be useful to the students of computer department.

5. CONCLUSION

This paper explains the concept of Student Admission Management System which is helpful for Maintaining records as well as notifying students about upcoming user activities. User Authentication is provided before access is provided to data as well as manual paper work is reduced thereby saving time efficiently.

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