

Campus Connect- College Information Sharing And Communication System

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1. ABSTRACT

In current scenario, management and maintenance of student information, sharing information among parents, students and faculty is cumbersome task for any institution. The student's academic information consists of sharing of syllabus, time-tables, marks, notes of each subject which seems to be a huge workload on lecturers to handle and update each of these tasks for the respective classes. Till this day we have a traditional way of sending attendance to parents through messages, which is not cost efficient. Apart from this, these days we are using social networking sites for sharing all the college information, which is actually making all the students use social networking sites like whatsapp at least for college purpose. In order to reduce the usage of such social networking sites in our proposed system we will store, retrieve and send all the college information from our college portal for individual student. This proposed system allows faculty, students, parents, and all non-teaching staff to register by themselves and use their privileges that are provided by admin. Students, faculty and non-teaching staff have to register using their email id's and respected admission number

or registration numbers providing to them by college admin. Where-as parents login using their email ids. Admin is responsible of allocating faculty to students of each section and he has the best privileges of approving members, adding classes with respective to their sections, maintaining timetables and announcing news day to day.

2. INTRODUCTION

We have developed the best website which enables all the people associated with an institution to communicate with each. We have provided security through login page. Login for all the people is done through their mail ids and password. People can access data only if member approval is done by admin. We have many college portals but we guarantee this is the best website since we are providing security as well as separate logins. We have designed in such a way that all the information to be shared can be done through our website, here all the information includes pdf files, YouTube links, images, notes, attendance, result and announcements. If illegal logins get detected then admin can delete the person immediately. The best thing about our website is we are providing a functionality which calculates faculty performance and best faculty will be notified.

As we met all the requirements given we can even assure quality of our project

3. EXISTING & PROPOSED SYSTEM

A. Existing System

In the present system data is shared manually or through social networking sites. All the information that is to be informed is getting notified manually. We may or may not be able to send the correct information at appropriate time for all the students. This leads to delay of information or announcement of improper information. It becomes faculty's task to share information. Faculty performance, attendance, marks must be calculated manually which becomes burden for every one

B. Proposed System

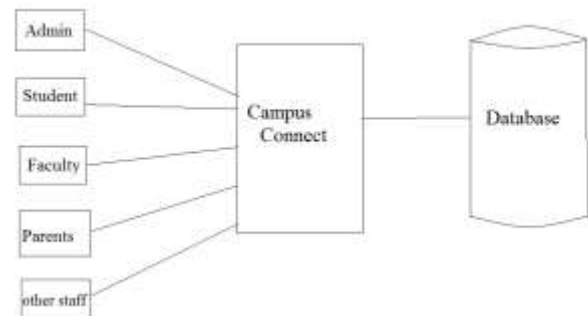
In order to overcome the above mentioned problem we introduce this system. There is an urgent need for the solution to any student or organization "Tkreduconnect.in" comes in handy. It has various dynamic features that are listed below as follows:

- i. We can access data from any-where in the world.
- ii. Parents can always track their student's attendance.
- iii. Faculty performance can be calculated and informed to every faculty time to time.

4. SYSTEM ARCHITECTURE

The system architecture has a web application, a database server and the user as its components. The smart phone or tablet must use 3G or Wi-Fi network for internet connectivity to ensure better performance. The user will login to the application through any of the browser. The user-type is verified

with the database server and access is given to the appropriate user. The admin gives member approval for the user, so that so other user can access the data.



5. ALGORITHM

MD5 was designed by Ronald Rivest in 1991 to replace an earlier hash function MD4. The MD5 algorithm is a widely-used hash function producing a 128-bit hash value. Although MD5 was initially designed to be used as a cryptographic hash function, it has been found to suffer from extensive vulnerabilities. It can still be used as a checksum to verify data integrity, but only against unintentional corruption. The ideal cryptographic hash function has four main properties:

- i. It is quick to compute the hash value for any given message.
- ii. It is infeasible to generate a message from its hash value except by trying all possible messages.
- iii. A small change to a message should change the hash value so extensively that the new hash value appears uncorrelated with the old hash value.
- iv. It is infeasible to find two different messages with the same hash value.

A related application is password verified. Storing all user passwords as clear text can result in a massive security breach if the password file is compromised. One way to reduce this danger is to only store the hash

digest of each password. To authenticate a user, the password presented by the user is hashed and compared with the stored hash.

The password is often concatenated with a random before the hash function is applied. The password is stored with the password hash. Because users have different password, it is not feasible to store tables of pre-computed hash values for common passwords. Divided into 3-tiers that consist of the following:

Database- tier

It contains data about system users and their profiles, Citizens information, available resources, and social association profiles.

Business – tier

It consists of the core of the system. i.e. complaint handling and feedback components.

Presentation - tier

It consists of web-based user interface.

6. MODULES

Admin

Admin's main responsibility is to approve members, assign faculty to students for each section, linking students with their parents, creating exam time tables and manage data.

Faculty

Faculty's main responsibility is sending syllabus, attendance, internal marks, notes to students.

Student

Students can just view all the details uploaded by admin and faculty. Student can upload images.

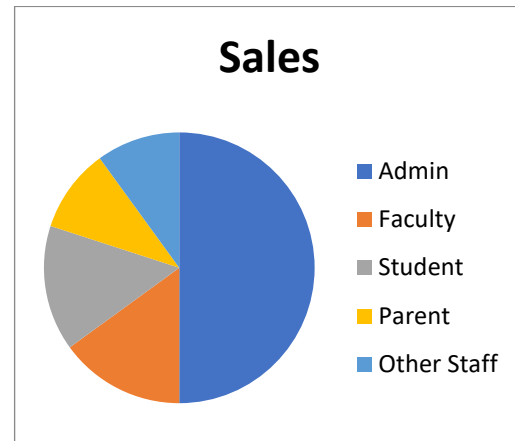
Parent

Parents can view attendance of their kids and marks.

Other Staff

Other staff include clerk, library staff etc. They can view all the announcements and attendance of them.

7. RESULT ANALYSIS



8. CONCLUSION

The main objective of our project is to create the best communication platform for all the people who are associated with an institution. We have implemented this idea so that we can reduce the use of social networking sites like whatsapp for knowing college information. Our projects mainly interacted parents with their respective child's faculty which was never done before

9. FUTURE ENHANCEMENTS

Further, we will develop our web application as android application which has texting option for students and parent and faculty. In next update we will add another functionality about job notifications for all the students.

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