

College Department Management System

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Abstract— College Department Management System is essential for an institution or to a college or to a university, which utilizes computer, also which reduces manpower. Main objective of this study is an important step towards streamlining this effort is to develop a framework and identify necessary properties that a secure and trusted online department working system must satisfy to reduce discovery redundancy. Such a framework will allow us to evaluate as well as compare the merits of existing and future candidate in department. System should support multi-user environment. System should be fully automated. System should provide concrete security features like creating users and assigning privileges to users of the system. System should be capable to keep track of all the detailed descriptions of the client and the whole details of services offered by the client.

Keywords: Admin module, Event module, Feedback module, Newline, Student module, Voting module,.

1. INTRODUCTION

College Department Management System is being developed to fulfill all the needs and requirements at department level. It is integrated with the all department daily operations including activities, feedback, voting. It is a web based system that facilitates the running of elections, events or activities, feedback of each event and displaying the achievements of department. The user will login in the system with login id and password. Users are individuals who interact with the system. All user interaction is performed through the user's web browser. Users are provided with an online registration form before voting user should fill online form and submit details these details are compared with details in database and if they match then user is provided with username and password using this information user can login and vote. If conditions are not correct entry will be cancelled. It contains two level of user's administrator level and voter level where each level has different functionality. Department management System software manages complete department working system. It will have all the basic modules and also it makes have all the basic modules and also it makes working fully computerized which is very fast and efficient. College Department Management System is a software application which maintains records of the students, Candidates, Users. This software is planned for voting purpose which saves lot of time and money, the event creation to take feedback from students for any event happen in the

department. It is a complete online project, for a firm to run it successfully. It is compulsory to take feedback from clients. The front-end will be HTML pages. Java code will be used for validation and processing of user input and database it will act as a middle layer. Third layer of database will be interacted with these layers, which would be MYSQL database. The web server would be Apache Tomcat.

I. LITERATURE SURVEY

The system provides guidance to the admin to keep track of each student. The admin have the access to the database of system. In an educational institute management is crucial thing. So in order to reduce the efforts of staff we are introducing our system. The system comes on with much functionality like voting event details, feedback, news line etc. It provides a additional feature newlines that helps the student to get department newlines and reports (achievements, toppers). It also provide the voting feature so that manual work is reduced. This system is paperless system. System provides functionality for student to application where in admin can manage, student can access uploaded notes, course details. Student will get the event details through sms. Overall manpower and reduces the time required.

II. PROPOSED WORK:

The main objective is to develop a project which is an important step towards streamlining this effort is to develop a framework and identify necessary properties that a secure and trusted online department working system must satisfy to reduce discovery redundancy. Such a framework will allow us to evaluate as well as compare the merits of existing and future candidate in department. System should support multi-user environment. System should be fully automated. System should provide concrete security features like admin creating users (students) and assigning privileges to them. System should be capable to keep track of all the detailed descriptions of the activities and the whole details of services offered by the admin.

III. ARCHITECTURAL VIEW

The architecture of the proposed system for CDMS can be shown in the figure below.

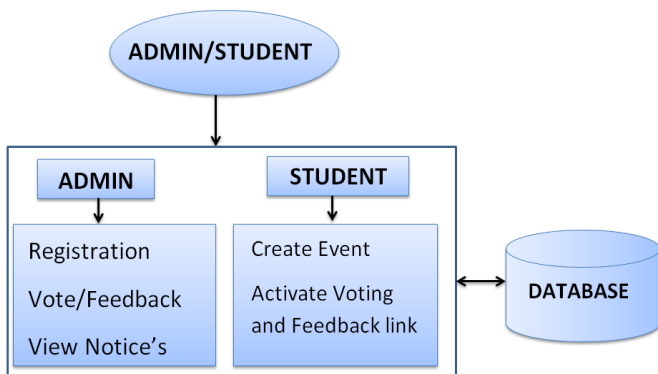


Fig1: Proposed Architecture for CDMS System working flow is given below:

1. Admin will login to the system. Admin might be head of the department.
2. He can send the notice of events conducted in department to all students. Also he can create the reports of the feedback and vote given by students.
3. Next stage is login of student. Students have to visit to the website and will be registered to the system.
4. When admin activates link of voting then student gets login to the voting module and they can see the list of nominees, can vote to particular nominee. Events, workshops, industrial visit, guest lectures etc.
5. They can see the notices of events that will happen in the department such as technical.
6. After login to the system student can give feedback and vote.

It contains four modules: Feedback module, Newline, Voting module, Event module. End user will be going to login to the system. There are two types of users created based on the access criteria: Admin and Student.

- Admin has responsibility for storing student data, can activate link. Admin users can create report of feedback and votes.
- Admin can send notice to students. Admin users will have all the permissions and access to the application. Admin user is a root user; he is having complete control over the application.

Students are responsible for viewing their own page. They can give feedback for the subjects and guest lectures. Voting is conducted to choose GS, LR, and CR for the department. After particular user is positively registered

in, if logged in user is student then he is not authorized to manipulate the details.

Architectural Design Of College Department Management System: Fig (2) shows structural design of college department management system. Users will login to the college management system.

ADMIN:

Suppose the logged in user is an admin user then he will create accounts of students and can add login credential information in the database. Admin can only have the complete access to the system.

STUDENT:

If logged in user is student then he can give feedback of guest lectures conducted in department and subject feedback. Also he can give a vote to the particular nominee. After voting admin generates result that will be displayed to the users. He can be able to see the notices given by admin regarding to events.

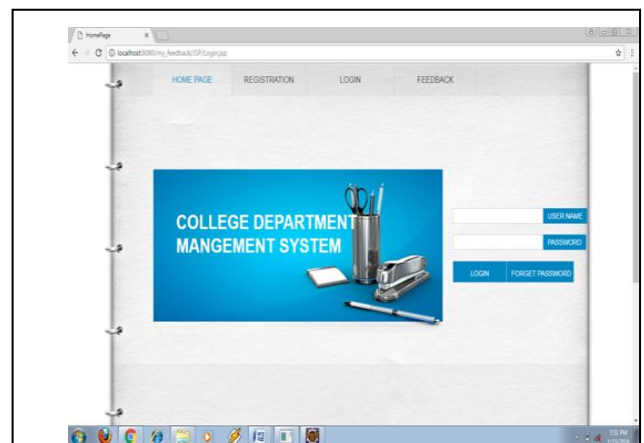


Fig 2: Login page

Student and admin login to the student.

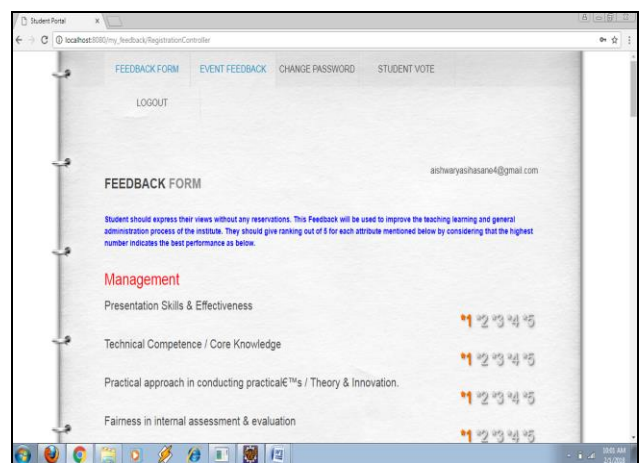


Fig 3: Feedback form

Students give feedback to the system.

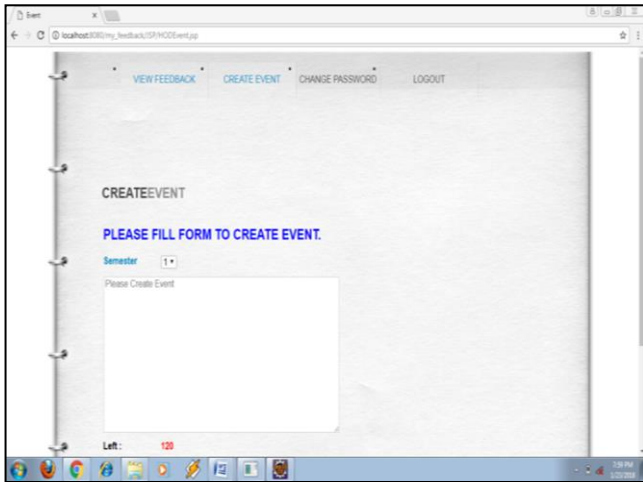


Fig 4: Event Creation

Admin create notices for event and send it to the students.

VI: CONCLUSION AND FUTURE SCOPE

This portal is used by the admin so there is no data leakage and it can handled securely. Delivering such a software to the department it helps to take place task with ease and that's why it reduces time ,money on manpower and efforts. we have event module through which students to get the notices of upcoming events. And students can provide feedback about happened events in the department. Students can select GS,LR,CR in the voting module.

It is a open source application so that others can edit and transform this system application according to their needs can be an future enhancement in project.

REFERENCES

- [1]Krithi P1, Dr M Ramakrishna2," student management system – a survey" Computer Science and Engineering, Vemana Institute of Technology,Bangalore-34 International Research Journal of Computer Science (IRJCS) Issue 05, Volume 4 (May 2017).
- [2].Srikant Patnaik1, Khushboo kumari Singh2, Rashmi Ranjan3, Niki Kumari4 "College ,management system", International ResearchJournal of Engineering and Technology (IRJ Volume:03Issue:05/May-2016).
- [3]Lalit Mohan Joshi M.tech schola BTKIT Dwarahat, Almora, Uttarakhand "A Research Paper on College Management System" International Journal of Computer Applications (0975 – 8887) Volume 122 – No.11, July 2015