iCampus – A Web Application (College Management System)

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Abstract— **Internet is one of the vast technologies spreaded between people. The main motivation behind this is to connect people with each other. This paper is aimed at developing an Online Intranet College Management System that is of importance to an educational institution. It is an Internet based application that can be accessed throughout the institution. The proposed system will introduce and improve interactivity, accessibility, and convenience in the learning process. Overall notification to students will be sent from admin office through the web application directly. Any new notice for a particular semester will be uploaded by professor through application notifying to respective semester students. This system may be used for monitoring attendance for the college. Students as well as staffs logging in may also access or can be search any of the information regarding college. Senior college toppers can also share their tips and tricks with other students via chat interface.**

Keywords— internet, management system, communicate, profile

I.　　INTRODUCTION

iCampus - A Web Application which provides a common, easy to use platform for college students to develop a better interaction with fellow students, faculty, and administration.

The Advanced College Management System project is to develop websites using Java Swing & My SQL database and composer framework. The main aim of this project is to develop an online website which covers all the main points like faculties details, attendance, report, and other curricular activities of a college which is going on.

The application will be utilized by students and teachers . Admin is the Super user of this project. This provides an easy interface for the maintenance of student information.

The project is in a simple and intelligible manner which has a unique and helpful feature of raising queries, where students can put up their queries and anyone can answer their queries, it also provides the ability to upload the images, faculties details, attendance, notification, communication, report, chat and so on.

II.　　EXISTING SYSTEM

The system which is used nowadays has some drawbacks which need to be improved for better performance. The system through which the feedback is taken is not good enough. The views of every student are not expressed through these systems.

As the technology is developed day by day, we need to use this technology so we can get an efficient result in adequate time. For attendance management in the present system all work is done on paper. The whole session attendance is stored in register and at the end of the session the reports are generated.

We are not interested in generating report in the middle of the session or as per the requirement because it takes more time in calculation. At the end of session, the students who don't have 75% attendance get a notice.

This is a very time-consuming process. In the present system the result is viewed on the notice board. It requires lot of paperwork and is time consuming. Moreover, there is no system still present through which students can take advice from senior students. College cannot even provide urgent notifications to students in case of emergency.

III.　　PROPOSED SYSTEM

This project is the web application for the College Management System. The aim of this project is to explain the functionality, requirements and general interface.

Now-A-Days every institute needs automation. As a part of college automation, we've decided to try and do a project for the college Management System.

Our project allows the students to understand the assignment, library, exam, notices like placement, images of college then on quickly through the application without the intention of the college authority.

It also helps the institutions to engage in providing services to students, teachers, guardians and other persons are intermediary.

The system has one or more of the following functionalities :– Adding?/Modifying entities, It gives detailed information in the Individual Student Login, Chat system & many more.
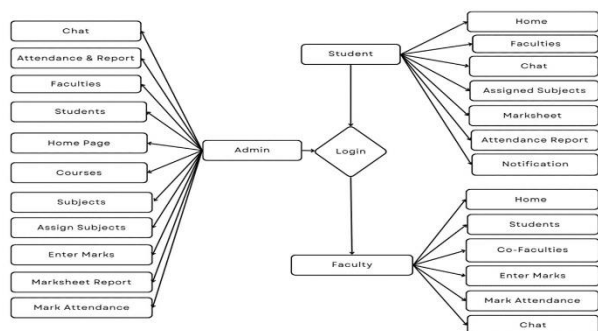
IV. SUB-SYSTEM FUNCTIONALITIES

A. Admin:

Student Management: Register new students in college and maintain the record of students in CMS. View the student information and "update" the record of students in case of any changes and "Delete" the record if any.

User registration: admin can create new users for the system which are employees of the college. Admin creates their profile for the user and provides the username and password to login to the system.

Department Management: Admin can view the department details and can manage the information about any department.

Staff Management: Register new students in college and maintain the record of teacher in CMS. View the student information and "update" the record of students in case of any changes and "Delete" the record if any.

Marks Management: Enter the marks of students they got in the exam. The employee can view the marks of students in internal exams. And can manage these marks details.

B. Faculty:

Take Attendance: Teaching faculty can take attendance of students during the lecture i.e., within that time frame. If he or she takes attendance anytime else, he is not allowed to do that. The attendance data will be stored in the college database according to date and after every month the percentage will be generated. The generated data will be stored for future use.

Upload Result: Faculties can even upload results of the students. The students can directly check their marks through the application.

View Uploaded Result: Result that has been uploaded can be viewed by the professor through the application. It will be stored in the college database for future use.

Check notifications: Faculty can receive important announcements, information regarding meetings from the HOD or admin through these notifications.

C. Student:

View Subjects, Topics, and its Completion: Students can even view the subject and Topics and whether it has been completed by percentage.

View notices sent by Teacher and Admin: Notices are sent to the students by HOD or admin. Useful information, college notices, and important announcements are received on students registered phones. They can view it anytime.

Check notifications: Students can receive important announcements, information regarding meetings from the admin through these notifications.

V. ADVANTAGES OF THE SYSTEM

1. Parents can observe only their own children's information concerning school life.

2. Information management of students in educational activities and processes such as enrolment, transfer, scores, examination, attendance, parent's notification and also weekly timetable are automated with E-school.

VI. CONCLUSION

The system that would aid in the maintenance of students, faculty and staff, and admin records. It can handle all the transactions related to college management concerns. The project must have tight security to secure the records of all the individuals included.

This Application assists in modifying the existing system to site-based system. This is a paperless work. It can be monitored and controlled remotely. It reduces the manpower required. It provides accurate information always. Malpractice can be reduced. All gathered and extra information can be saved and can be accessed at any time.

The data which is stored in the project helps in taking intelligent and quick decisions by the management. So, it is better to have a Web-Based Information Management system. All the stakeholders, staff members can get the desired information without delay. This system is essential in the colleges/hostels and universities.

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REFERENCES

[1] https://www.academia.edu/35401042/A_Research_Paper_on_College_Management_System

[2] https://www.researchgate.net/publication/318969303_The_Contributi ons_of_E-School_a_Student_Information_Management_System_to_the_Data_P rocesses_Environment_Education_and_Economy_of_Turkey.

[3] S.R.Bharamagoudar et al , "Web-Based Student Information Management System ,International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 6, June 2013.

[4] Zhi-gang YUE,You-we JIN,"Thedevelopment and design of the student management system based on the network environment",2010 International Conference on Multimedia Communications,978-0- 7695-4136-5/10 2010 IEEE.

[5] R. B. Guin, S. Chakrabarti, C. Tarafdar, and S. Mandal, "A smart architectural concept for the making of a university education system using cloud computing paradigm," in *Proc. 2011 World Congress on Information and Communication Technologies*, Mumbai, 2011, pp.48- 52

[6] R. M. Leod, *Management Information Systems*, Third Ed., Science Research Associates, 1986, pp. 17-19.

[7] L. Long, Management Information System, Prentice Hall, 1989, pp.116-117

[8] Zhibing Liu, Huixia Wang,Hui Zan "Design and implementation of the student information management system." 2010 International symposium on intelligence information processing and trusted computing. 978-0-7695- 4196-9/10 IEEE.