*IOSR Journal of Computer Engineering (IOSR-JCE)*
*e-ISSN: 2278-0661,p-ISSN: 2278-8727*
*PP 26-30*
*www.iosrjournals.org*

# Web Based Academic Smart System

Miss. Rutuja Wankhede, Miss. Monika Gomase, Miss. Monika Sawarkar
*1. wankhederutuja19@gmail.com, Computer Engineering, Bapurao Deshmukh College of Engineering Sevagram 2. gomasemonika@gmail.com, Computer Engineering, Bapurao Deshmukh College of Engineering Sevagram*
*3. monikasawarkar2@gmail.com, Computer Engineering, Bapurao Deshmukh College of Engineering Sevagram*

***Abstract:*** *Web application for college automation is to start paperless work permanently. This web application will make system smarter. The principle idea of the system is used as platform in educational institute to manage academic details online and reduce iterative manual and paper based work. Our system also taken care of administrative actions required during management of academic details. It also focuses on the implementation of task engineering without disturbing the role hierarchy and their access rights policy. It also provides additional data services like notification, performance of the automated system and gives satisfaction to the users. Smart system deals with all kind of faculty details, academic details, student details, placement details and the various batch details to the staff and student of details by the administration.*

***Keywords*** *- PHP, Smart System, SQL, Training and Placement, Web Application*

## I. Introduction

Web application which will be use for our day to day life such as online banking, online shopping, mailing, education learning and training, business transaction and many more. To outline the supportive framework with a specific goal to make simplicity to the client. Management of many things on manually is quite difficult task. A Web application is a client-server application that generally uses the Web browser as its client. Browsers send requests to servers, and the servers generate responses and return them to the browsers. To execute smart academic system some installation is necessary that is the server side application software on that developed application is to be run and it gives the required output. Second is client side application which is used to developed software with the help of interfacing languages HTML, Java script and CSS. In addition with that backend also required to keep huge amount of data or a student record which is a MySQL database. After installation and developed code of some modules output is displayed on server which is wampserver by providing host name localhost, then selects the proper developed file and run it.

### 1.1 Existing System

Existing system based on paper work where verification and management of each document done manually. Physical Diaries is mandatory to maintain academic details. Divisions of administrative actions among administrative user roles. Single Data fetching takes many days including lengthy process. Data can be destroyed and updating is not done on daily basis. Connection between departments is not done. Communication between higher and lower user hierarchy is not possible. Management of organization is not in single model and security is not provided. The existing system is less user friendly because the retrieval and storing of data is not fast efficient and data is not maintained efficiently. Those students who want to continue their study while doing job or having some disability, so they can't get benefit because they have to attend the class regularly. We require more calculations to generate the student report so it is generated at the end of the session. All calculations to generate student report are done manually so there is greater chance of errors. Every work is done manually so time required more.

### 1.2 Proposed System

Web Application for College Automation is to start paperless work permanently. Centralized Data which will store important information & files (Notes, Presentations, PDFs, Documents & images) in a file server. Smarter because student will get notices online from department authority, student will get news directly from HOD's & Principal in their news inbox, smart data share will allow faculties to share educational information like (PPT's, Documents, PDFs & images) so that student can download the same data over the internet anywhere and anytime. Research & development will show all the information regarding each and every research & development that completed or currently in progress.

There are five modules :
1. System layout for Principal
2. System layout for HOD
3. System layout for faculties
4. System layout for student
5. Training and Placement student Filter

### 1.3 Literature Survey

All researches have aimed to develop and provide the generalized solution to monitor and maintain the various work of department of the college or institutes are automation in various task.

Sourabh Valia, Satinderjit Kaur Gill[ ]proposed the system for framework for web base student record management system using php. A data framework was essential in gathering all information also data of all staff or part in one association to be in one spot. This framework was centered on recording and updating the information. The objective of the paper was giving the online interface for student and expanding the effectiveness of the college and administration.

Er. David A. Botwe, Er. Joseph G. Davis presented the paper on compassion of web application development technology using the open source software and proprietary software. The comparison involved the three major technology namely: java server page (jsp), Active Server Page (asp)and PHP (hypertext preprocessor).

R. Abhilaya, R. Manjula proposed one of the first computation android and web based application that managed the college system was designed to improve easier way to the users to add and retrieve the information quickly. Once the user open the android and web application at the front end of all the event or schedule were available to everyone in the precise manner. Registration of the student was done by the class teacher. Student was kept in touch by an automated notification message. Student on notification was also used to read important announcement, information on performance to see the result assessment recorded into the system.

Priya Patil proposed the system for conversation of paper based system to paperless work using the front oriented module. Managing access control and task completion using the type role hierarchy based access control model implementation of services like notification, performance evolution.

## II. Module Implementation

### 2.1. Admin Panel


Fig. 2.1 admin profile

In admin profile page there are some links are displayed like Registered students list, Temporary account data, Faculty Registration etc. That means admin can see the registered students list also admin can register the student in account section temporarily, also can registered the faculty department wise. Registered student link shows the student list which are registered. In faculty registration and HOD registration admin registered the faculty and HOD and generated the password of them and admin provide that generated password and id to faculty and HOD.

### 2.2 Principal Panel


Fig. 2.2 principal profile

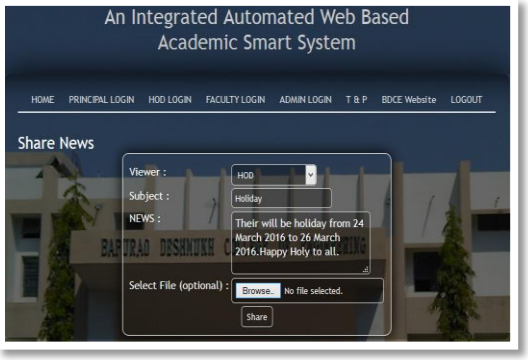


Fig. 2.2.1 share news

In principal Profile page two links are provided that is news which are shared by principal to all lower level authority like faculty, HOD and student also and next is the change password , in which principal can change the password according to their convenience.

### 2.3 HOD Panel

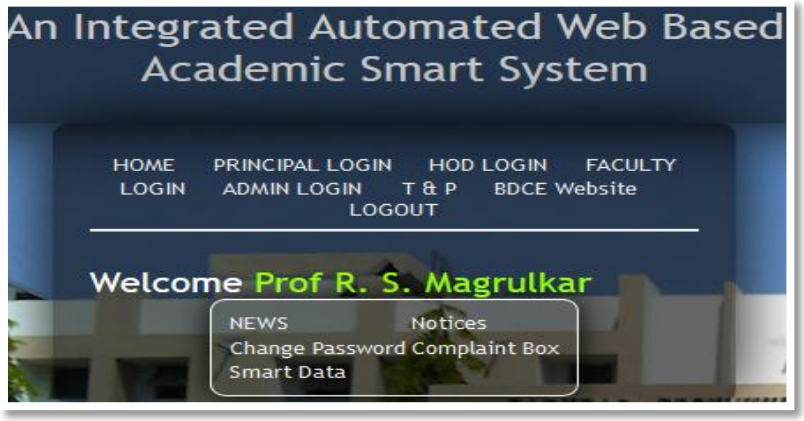


Fig. 2.3 HOD profile

After performing successful authentication certain services provide by our system. Accuse from various faculties and students are collected under complaint box. Complaint regarding any issues from department present inside this. Personal message from faculties and student present inside inbox. HOD can easily fetch data here. All the news from principal to HOD related to organization present under this module. Urgent notice from the HOD of other department and notices from principal to HOD present inside online notice board.

### 2.4 Faculty Panel

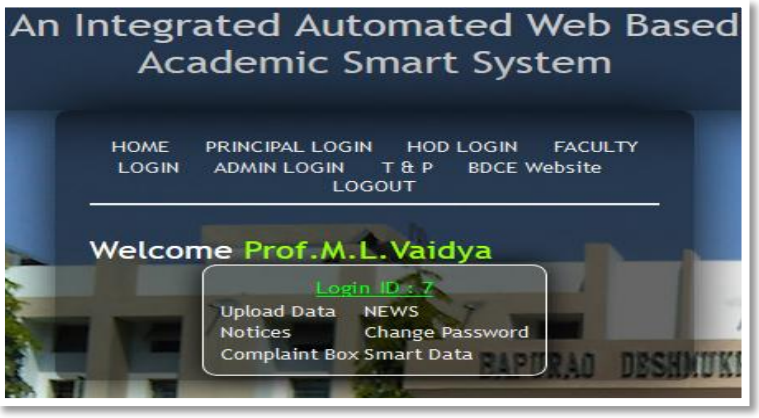


Fig. 2.4 Faculty profile

In above faculty profile page first link is upload data, faculty can upload data for student, data may be any subject related notes or any information related to any event or etc, any type of file faculty can upload that means PDF file, doc file , world file, picture file, mp3 file etc. After tap on upload data link following page will displayed, on that faculty browse the required file and give the caption as per file and to upload successfully click on upload button after this process successfully shared data message will displayed.

### 2.5 Student Registration Panel


Fig. 2.5 Student registration panel

In Student Registration Panel student sign up the form he got message successfully registered and generate the login id. By using this login id student can login. The following flowchart is used to generate the login ID in which stored account section data(A) and current user data will compare ,if both data are same then it create student login ID otherwise it will reject registration of that particular student.

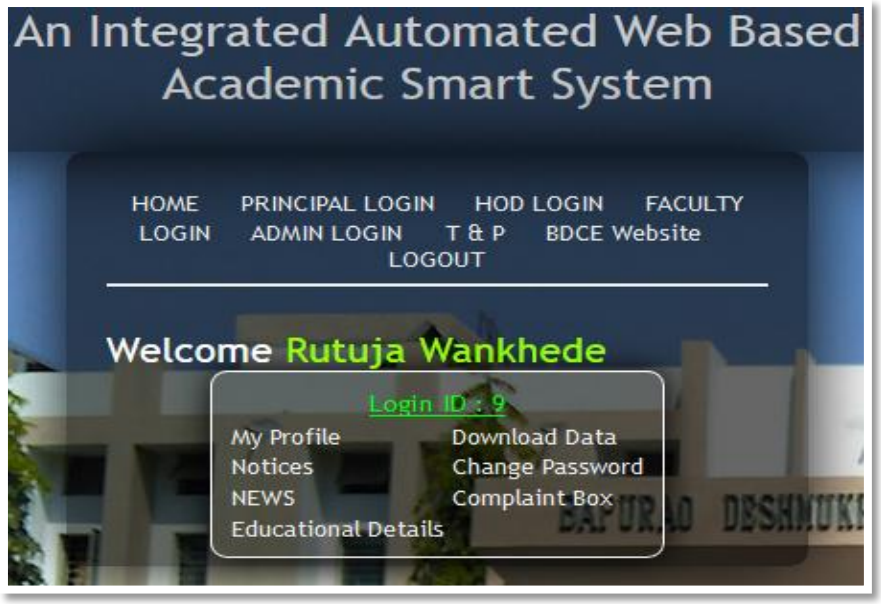


Fig.2.3.1 student profile

After sign in student can saw his profile page as follows, in that some links are displayed which is student profile page, download data, notices, change password, notice, smart data and complaint box. As student clicked on my profile link, he/she can saw his profile with his/her profile picture and personal information. If

student wants to download data which are uploaded by faculty then he/she has to click on download data. For download the data he can select any faculty uploaded attachments.

## III. Conclusion

Web based academic smart system helps to monitor and control remotely. The single system handles the information of departments securely and easily. The system is quit smart since it provides all information online. The system is used as the platform in educational institutes and provides all information online as well as highly security so that only authorized person can access the system and no one can hack the system. The system has reached a steady state where all bugs have been eliminated .The system is operated at a high level of efficiency and all the teachers and students associated with the system understand its advantages.

## References

[1]. Er. David A. Botwe and Joseph G. Davis, "A Comparative study of web development Technology using open source and properties software,"Vol.4, Issue 2, February 2015.

[2]. Akashat Mantra, Naina S. Rohra, Naman Varma, Nikita Gaikwad, and Prof. Sachin Godse, "Engineering Admission Counseling," International Journal of Advance Research in Computer and Communication, Vol.4, Issue 5, May 2015.

[3]. K. Sridevi and D. R. Umarani, "Web Personalization Approaches, A Survey," International Journal of Advance Research in Computer and Communication, Vol.2, Issue 3, March 2013.

[4]. Amandeep Kaur and Mrs. Shailja Kumari, "Secure Database Encryption Web Application," International Journal of Advance Research in Computer and Communication, Vol.3, Issue 7, July 2014.

[5]. Saurabh Walia, et. Al., "A Framework for Web Based Student Record Management System using PHP," Journal of Computer science and Mobile Computing, Vol.3, Issue 8, August 2014.