College Monitoring System

Rajshri Balpande[1], Rupal Chourasia[1], Vaishnavi Rewatkar[1], Sunanda Dhanorkar[1],

Rakshanda Wadichor[1], Pooja Jais[1], Noopur Prasad[1], Megha Goel[8]

[1]Department of Information Technology, Department of Computer Science Engineering, Smt. Rajshree Mulak College of Engineering Nagpur, Maharashtra, India

[2]Assistant Professor, Department of Computer Science Engineering, Smt. Rajshree Mulak College of Engineering Nagpur, Maharashtra, India

ABSTRACT

Education is most powerful tool to achieve success in one's life. So people are very much aware about the importance of education and to perceive it, they tends to take admission in various courses in different colleges. Increase in admission increases the data handling complexity and in today's era keeping the records of college manually is time consuming, also separate files have to be maintain for each section of college. Gone are the days when colleges used to keep student's information in paper files. Now everything has been digitalised and work is done smartly. Our project College Monitoring System is a software which introduces an environment for integrating records of student's, teacher's and the administration of colleges resulting in saving time, reducing manual errors and human resource required in existing system.

Keywords: CMS, Online Record Handling, Monitoring Record

I. INTRODUCTION

At the present people don't have time to manage any work in files, education field is growing every year. Number of students are increasing and their data too. So keeping in mind a thought to design a software called College Monitoring System, which is online, time saving so that it reduces human efforts to manage the data. The objective of our system is to reduce the paper work and to eliminate manual process and to save significant staff time. It is multi user system. College monitoring system is a software which collects all the details information about student including their personal details, education details, admission details, bank details for scholarship purpose etc. Faculty's information include their education qualification, their department, faculty can update their field whenever required. Training and placement department has record about the eligible students for campus, scholarship section has scholarship form which will be filled by student taking scholarship, required document can be upload by student, report about the students or upcoming activities etc. It is design to help colleges for management of student details. Everyone including staff, student all need to do the registration to the system by filling registration form, here only basic information of user is asked so as to verify the user is authorized or not.

II. EXISTING SYSTEM

Existing system is a manual one in which users are maintaining books, files, records, to store the information like student details , education qualification, parents/ guardian details, registration details etc. about student who had taken admission in the institute. It is very difficult to maintain historical data of the student details.

The following drawbacks of existing system emphasized the need for computerization:

1. Lots of paper work has to be made.
2. Lots of correction work hence error in student details.
3. Lots of edition and up gradation of student details causing the record to look messy.

Due to this new information which is to be added is written in place of old data therefore all the data look untidy and proper information is not there. There are thousands of students joining each year so numbers of student increases year by year and it is very difficult to maintain this record, time consuming and tedious work. Update fees, marks, result all these needs a monitoring system.

System has been built for this purpose, but it has various errors in it and doesn't work properly. Many modules are not present which can see and organize their TNP work, scholarship work, etc. which can be maintain by non-teaching staff. So existing system has various disadvantages in it and more work load and confusion is present which can be overcome by proposed system.

III. PROPOSED SYSTEM

Proposed system is an application software deals with all student and staff details of college. College monitor system provide user friendly interface, and is capable enough to manage large number of data. Report of students or staff can be easily generated and data can be retrieve easily in less time. College principal is the admin of proposed system, authority to access all the accounts of system is given to admin.

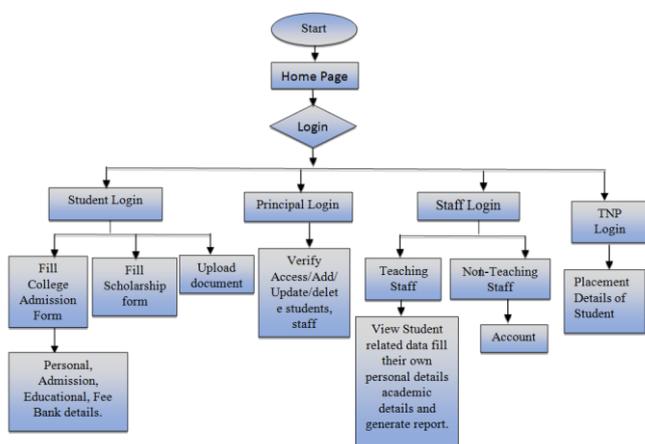The system contains following login modules as shown in flowchart:

Fig.1 Flow diagram of College Monitoring System

1. **Registration :**
The first step for every new user is registration. Online registration form is a list of basic fields that user need to enter correctly and submit it. The purpose of registration is to get basic information of user and to verify the user's identity, so that college has list of registered candidates. Information such as Application ID number, full name, program (engg or poly), semester contact, password. Registration is one time process. After registration has been done successfully, next step is login.

2. **Login :**
In order to access the system login is required. It is done by entering two unique fields of user ie. Application ID number and password into login window. Login module is used to check whether user is an authorized person to use the system or not. In case user forget his/her password and unable to login to account, they can recover their password using forgot password option. Forget password window will ask for Application ID number, if Application ID number is found valid, then admin sends user's password to the register email of user.

3. **Student :**
Student module has various fields like personal details, educational details, admission details, bank details, fee details scholarship form etc. Student when login to student account fill the form by entering all the above mention fields. Student can upload the scan copies of their documents like mark sheets, and other documents required for scholarship or any other purpose. Student can update their information any time. Students do not have access to other accounts.
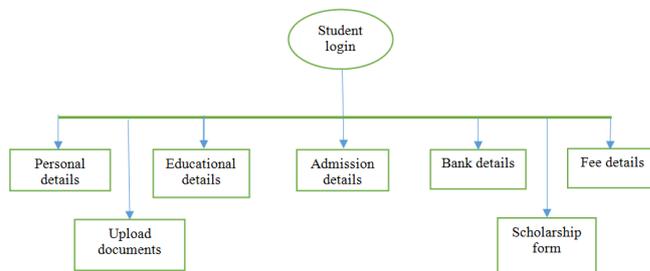

Fig.2 Student login

4. **Training and Placement :**
Training and placement in-charge is responsible for updating the placement and campus related

information like company's criteria their arriving date for recruitment and list of student who are eligible for attending the recruitment process. The in-charge can retrieve the student information from student database for selecting for eligible candidates for placements. Notifications regarding placements can be send to the email address of the eligible students. Students can also be informed by notifications about any college activities.

5. Staff :

Teaching and non-teaching staff have separate login category in computer monitoring system. Staff when login to account enter their all required details by filling form like personal details, educational details, bank details, their personal achievements, conferences etc. Teaching staff monitors student educational and personal information whereas non-teaching

Staff monitors student's fee details, exams form details etc. Student's report can be generated on fields needed by faculty.
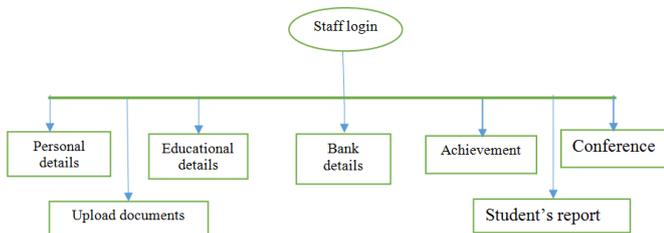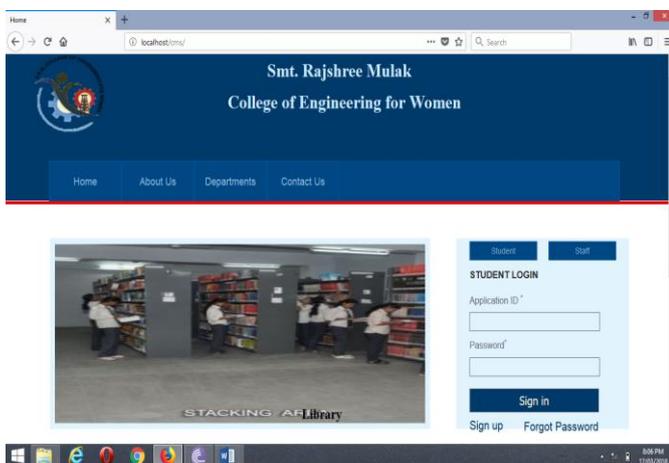

Fig.3 Staff Login

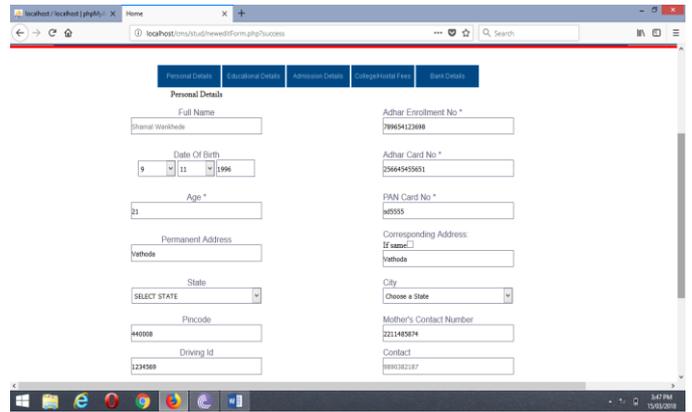## IV. IMPLEMENTATION AND OUTPUT

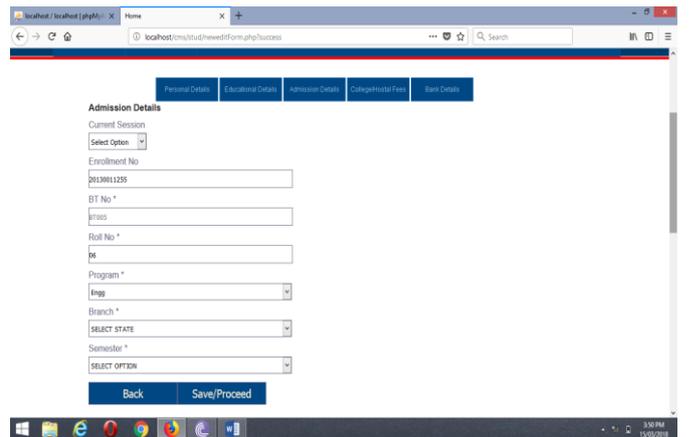Fig.4 Student Login

Fig.5 Student's Personal Details

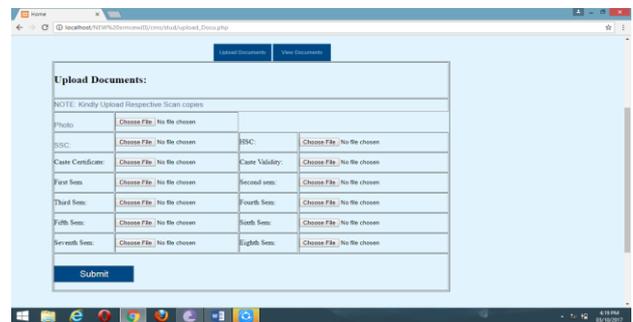Fig.6 Student's Admission Details

Fig.7 Upload Student's Document

Fig.8 Student's Report Access by staff

V. CONCLUSION

College Monitoring System will enable the college in identifying the difficulties and issues from the key

point and helps in establishing effective monitoring system by eliminating errors. Timely recording and managing of that will allow effective internal control system. Proper control test has to be implemented by college in order to eliminate issues and rectify the mistakes in system. The college should be sensitive in responding to the risk immediately in order to avoid major problems.

VI. FUTURESCOPE

It is not possible to develop a system that makes all the requirements of the college. College requirements keep changing as the system is being used. Every existing system has proposed enhancements which make it better and easier to use and more secure. The currently used college monitoring system is the best suitable for the web pages on a computer system, there raised some issues while using it on cross platform, i.e. if the viewing browser or platform of the web page changes, it misbehaves.

The future system will be supporting the web precise, feature that display the web pages on any device as per its dimensions. Even for register user, the further system can be developed on a mobile application providing all the services same as the web application. The enhancements that have been proposed for this system by adding the functionalities like online examination, attendance, hostel management system, online chat. Further, the faculty can upload the videos of their lectures on this site and students who had missed those classes can view those videos.

VII.   REFERENCES

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