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College Monitoring System

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Abstract: Now-a-days, education is playing very significant role in the society. Admissions are increasing day-by-day so there by a ratio of establishment of new colleges are also increasing. But the actual challenge is starting from now. Most of the colleges maintain student information in the records. When the number of records increased, it is a tedious job to maintain the information of each student in the existing manual system. Maintaining the records manually leads to error prone and required more manpower and it consumes more time for processing the records. So as to solution for an existing system we proposed a college monitoring system. A college monitoring system is a management information system for education establishments to manage student data. College monitoring system provides a complete online solution for a college administration. A college monitoring system enables college and Higher Education College to manage admissions, fees etc. It generates automated reports on all aspects of data- driven decision making. This helps colleges and universities to save time, money and resources.
Keywords; cms, html, bt,

I. INTRODUCTION

A college Monitoring system is a web-based application software designed to introduce a conducive and structured information exchange environment for integrating students, teachers and the administration of a college. College monitoring system synchronizes the working of all the department. It looks at all aspects of college, its students, faculties, departments etc. A college monitoring system facilitates the administrators to know the present status of a student of the college. This software gives the information such as student personal data, student fees details, placement details, scholarship details etc. CMS brings information to the user's desktop through integration across all modules. CMS is multi-user system. CMS has administrator controlled user privileges for multi-level system access control.

II. EXISTING SYSTEM

Current mode of working is based on manual system in which the all the data is first received from respective person and then entered in the registers or files. It is very complex job and time consuming also. The existing system is also dependent on students, if the students are absent. Then performance of student will be affected. Due to huge volume of data, a lot of problems are involved in maintaining, updating and retrieving selected information. Since previous system is totally maintained manually, some of the difficulties involved in existing system are as follows:-
Redundancy of data.
Difficulty in updating the data.
Delay in retrieving information.
Not proper retrieval of information.

III. DRAWBACK OF EXISTING SYSTEM

Existing system is a manual process. Data security is not provided in this system. No database is maintained as regards admission, enrolment, and pass out students of various departments. All the documents are in the papers and kept in files. This eats up much time in preparing the documents also searching relevant documents from the heap of files take up valuable time of the staff. Integrating data is also a problem with this system. It is not a user friendly system. As Education system was looking for web-based solution such as a College monitoring system with an inbuilt mechanism to meet the requirements of student-related information.

IV. PROPOSED WORK

Proposed system is a web application. In this application student details are maintained efficiently staff has a facility to view the student details, semester details and the student has also facility to view the faculty's research papers or journals by downloading them. This is an enhanced facility. It is fast, affordable, low-risk solution with easy implementation and lower maintenance and

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operational costs.

Being a web-based project, this proposed college monitoring system is a dynamic website which is very easy to use and understand. With an easy interface, anyone can work with the website. To make the website work effectively, PHP has been used as the development platform and MySQL as the database management environment. The site opens with a homepage that gives an introduction to the college. The developed application will be used by students, teachers and the administrator. Three categories of modules have been featured in college monitoring system:

A. Admin Module

An admin has the highest level of power in the college monitoring system. Admin can manage the accounts of all the students and staff. All the logs of student information can be view and manage by Admin itself. Admin can view all the students and approve.
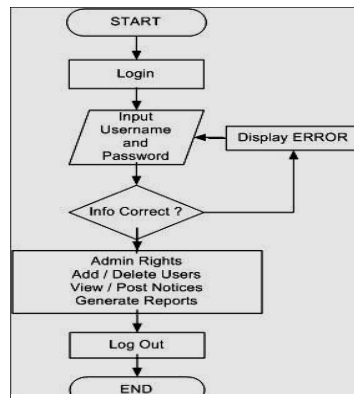

Fig. 1 Administrator Flowchart

B. Student Module

When a student gets admission in college, he will be provided the particular student id by the college and then students can login from their separate panel through their BT card numbers and passwords, they were able to login into their respective panel in order to fill, update or check their personal details, educational details, admission details, their college or hostel fees and their bank account details.
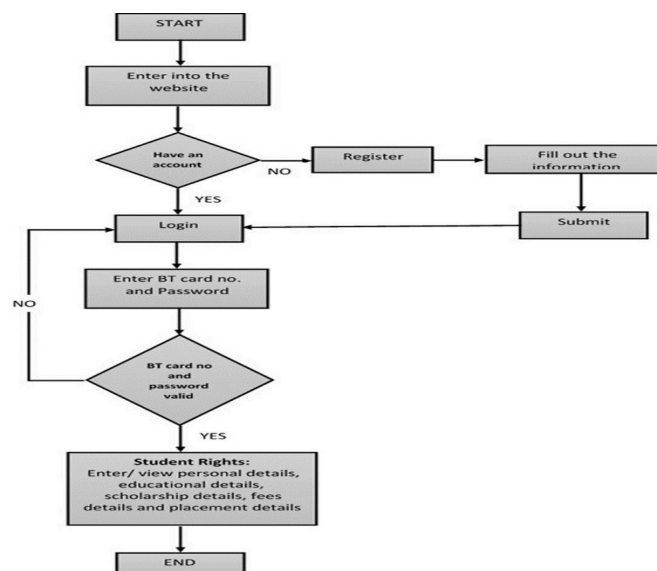

Fig. 2 Student Flowchart

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C. Faculty Module

Faculty has their own panel where they can update their profile and details which can be seen by all other faculty who access the website. In addition to that faculties can upload their research papers, journals, conferences or workshop details on website.

The placement officer is responsible for updating the placement related information like eligibility criteria for a particular company, arriving date for the company which is coming for recruitment and the list of students who are eligible for attending the recruitment process. The placement officer can retrieve the student information from the student database for selecting the eligible candidates for placements. He can also send notifications to students regarding any information. Scholarship section maintains all the student related data, such as personal details, contact details, educational details, and document details of all the students.

In our system, student can upload their documents and photo in the form. Each one documents and photo image will be uploaded in the size up to 1MB. By uploading all the documents and photo, staff & admin will be able to access all the student documents. That means, here not only students but also staff can access all the documents of the students. Scholarship form accessible for staff as well as for students. Account Section can use by education or college to maintain the fees details of students easily. Students can pay their fees by cash, demand draft or cheque.
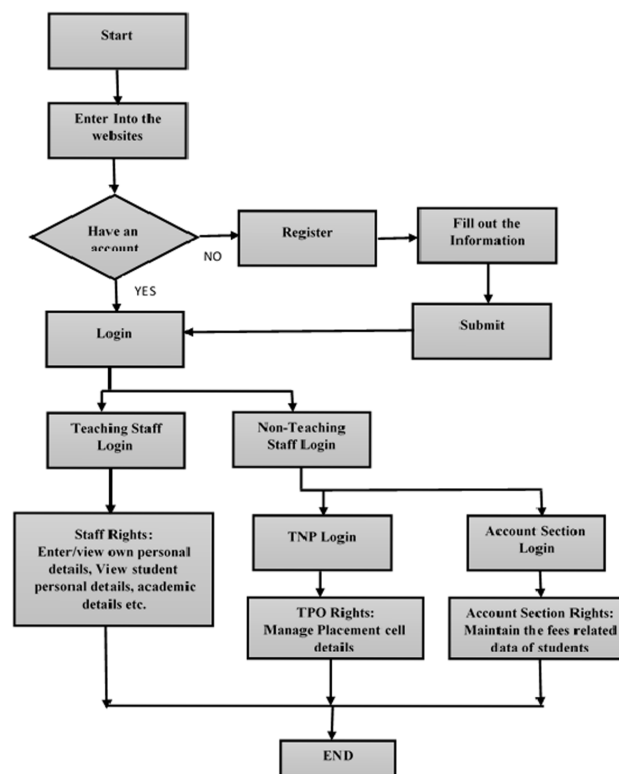

Fig. 3 Staff Flowchart

V. TECHNOLOGIES USED

A. *Html5:* hypertext markup language (html) stands for standard markup language for creating web pages and web applications. Html5 is a markup language used for structuring and presenting content on the www. It is the 5th and the current version of the html standard. Html5 introduces a number of new elements and attributes that helps in building a modern website.

B. *CSS3:* CSS stands for cascading style sheets, a style sheet language for describing the look of a document written in a markup language like html. CSS saves a lot of work. It can control the layout of multiple web pages all at once.

C. *Php6:* Php is a server-side scripting language designed primarily for a web development, but also used as a general purpose programming language. Php generally runs on a web server. Php code is embedded into the html source document. Any php

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code in a requested file is executed by the php runtime, usually to create dynamic web page content.

D. *Javascript:* Javascript is an object-based scripting language that is light-weight and cross-platform. Javascript is used to create interactive websites. Javascript is such a powerful scripting language which has features to achieve dynamic effects in web pages.

E. *Mysql server:* mysql is an open source relational database management system that runs as a server providing multi-user access to a number of databases. Mysql is a popular choice of database for use in web applications and is an open source product. The process of setting up a MYSQL database varies from host to host.

VI. CONCLUSION

Online application of the whole system helps easy to access to the system anywhere. Physical presence of the student is not required. Authentication is provided for this application. Only registered students can access. This is computer based management information system project, so it is very fast any record or information can be accessed very rapidly also no chance of human mistakes in entering data as validation checks are already there. The data is maintained on a central server and is distributed among different departments as per requirements.

VII.FUTURE SCOPE

The college monitoring system can be enhanced to include some other functionality like marks, attendance and library system management. The whole project will be made available as an Android App for more ease of use & mobility.

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