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Alumni and placement management system

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ABSTRACT

Alumni And Placement Management System provides a simple interface for maintenance of student information. It can be used by educational institutes or colleges to maintain the records of students easily. The creation and management of correct, up-to-date information regarding a students' academic career is decisively important in the university as well as colleges. Student information system deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details, placement details and other resource allied details too. It reduces the manual work and consumes less paperwork to reduce the time. The project is envisage to be completed in two phases. The initial phase will be the creation of a simple system that will be used to capture data from current final year students before the end of term. The second phase of development will widen the functionality of the system to allow past alumni to register. Alumni can only update the database when they are in the college. This project is developed with PHP for frontend and MY SQL for a backend.

Index Terms: Alumni and placement system management; Student Registrations; Placed Student's Details; Login; Web based, HTML, SQL.

INTRODUCTION

The greatest asset any Institution can have is the Alumni system. Alumni are the people who represent the Institution in the real world. Alumni website is created for the students that have graduate from the Institution. This is a web based application that helps to retrieve alumni placement students' data. The alumni network is becoming important in the growth of the institution because of their vast potential that benefits both the Institution and the students. There are many benefits for being an alumni member of a college or Institution, some of these benefits are: keeping a person inform on the events that are prepared by the Institution, and when some important events will be holding in the Institution. Another advance is that information as to a former student can easily

be received and other members of the alumni community can be located without much stress [1].

The system can used for college to manage the student information with regards to placement details .This project contains all the details of the students that can be viewed by admin, but can be modified only by the student with an authorized service. The students can update their own information only. The main objective of placement module is to manage the details of traing, placement, students, CGPA Marks, technical skill. It manages all the details about training, placement cell, and technical skill. This project totally build at administrative end and thus only the administrator is granted the access. The purpose of the project is to build an application program to reduce the manual work for managing the Traning,placement,placement cell, student [2].

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Fig.1. Alumni Management

The design and implementation of a comprehensive alumni and placement system and user interface is to replace the current paper records. The system utilize user authentication, displaying only information needed for an individual's duties. Additionally, each sub-system has authentication allowing authoritative users to create or update information in that subsystem. All data is in detail reviewed and validated on the server before real record alteration occurs. All data is stored securely on SQL servers manage by the college administrator and ensures highest feasible level of security. The system features a complex logging system to track all users' access and ensure consistency to data access guidelines and is likely to develop the good organization of the college's record management thereby decreasing the work hours needed to access and deliver student records to users [3].

While paper records are a conventional way of managing student data there are several drawbacks to this method. First, to convey information to the students it should be displayed on the notice board and the student has to visit the notice board to check that information. It takes a very long time to convey the information to the student. Paper records are difficult to manage and track. The physical action required to retrieve, alter, and re-file the paper records are all non-value added activities.

Purpose

The purpose is to plan a college website which contains up to date information of the college. That should improve good organization of college record management.

Objectives

- Increasing the good organization of college record management.
- Decrease time required to access and deliver student records.
- To make the system more secure.
- Decrease time spent on non-value added tasks [5].

RELATED WORK

Existing System

Many colleges keep up present and old students manually. Recollecting this data in the manual system is very difficult. If student needs any data about old students they have to approach college management. Overall collecting the information is very mind-numbing task in this system. These sheets may be collated by an alumni institute and shared with all the alumni but this activity may not be regular. The system is difficult to maintain on a regular process and it also have a privacy issues.

Disadvantage of Existing System

- It cannot be used regularly.

- Data can be losses.
- This system cannot maintain repeatedly.
- There is security and privacy problem may arise.
- This is a big process to maintain all user details [4].

Proposed System

The point of the proposed system is to develop a system with better facilities. The proposed system can overcome all the restriction of the existing system, for example, student's data is maintain in the database, it gives more security to information, guarantee information accuracy, decrease paperwork and save time, only qualified students get chance, it makes data to flow efficient and paves way for simple report generation, reduce the space. The proposed system is cost effective.

Advantage of Proposed System

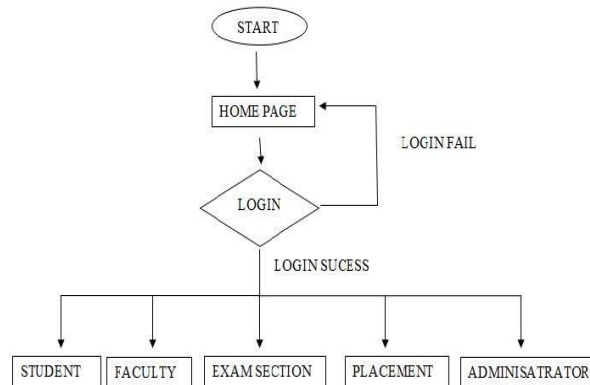
- This project allows students to register through online.
- The students can easily access old students data.
- Students can directly communicate with old students concerning Job, or any enquiry.
- And this project has many extra features [6].

SYSTEM DESIGN

This deals with data flow diagram, detailed flow graph, requirement analysis, and the design process of the front and back end design of the student information management system.

Dataflow diagram

Data Flow Diagram (DFD) is a graphical representation of the "flow" of alumni and placement System. A data flow diagram can also be used for the visualization of Data Processing. DFD shows the interaction between the system and outside entities. A DFD represents flow of data through a system. Data flow diagrams are commonly used during problem Fig. 1 Data Flow Diagram This paper mainly focuses on the managing the information of the students, faculty, placement cell information, alumni details, related information of the college which is maintained by the college administration through different levels of controlling. The function of the individual entities will be explained in detail in the flow graph.



Student

The student is of centre focus, because in every college student plays the very essential role. Student can access the information of the college, course details, subject details, faculty details, training and placement cell information. The course details include information regarding branch he is studying, the academic curriculum of

the college, The placement details include the information about the companies, the eligibility criteria for attending recruitments of the companies, the process of recruitment, the date and time of the recruitments. The placement cell updates the students information who got selected for a company. The alumni section details include

the personal contact details for getting touch with students after their graduation.

Faculty

The staff can update the information regarding the students attendance, CAT marks of the students and any information concerning the subjects they handle. They can also view the student details for better considerate the student presentation and improving the efficiency of the student. The staff also gets the updates from the college regarding any events occurring in the college. They can also get the notifications from the placement cell and alumni section.

Placement Cell

The placement officer is responsible for updating the placement related information like eligible criteria for a particular company, arriving date for the company which is coming for recruitment, the list of students who are eligible for attending the recruitment process. The list of student who got placed in a company and the placement officer can access the student information from the student database for selecting the eligible candidates list for placements. He also can send notifications to students concerning any information.

Admin

The administrator is responsible for manages the faulty accounts like entering a new faculty, assigning the faculty to the subjects. The administrator also updates the college related information like calendar of events, information regarding any other events that occur in the college. The administrator will check the all the updates i.e. student updates, faculty updates, exam updates etc. The administrator has the highest level of authority in the student information system.

Database Design Process

A database is collection of a related data. A database has the following implicit properties:

A database represents some aspect of the real world, sometimes called the mini-world or the Universe Of Discourse changes to the mini world are reflected in the database.

Database Management System (DBMS) is a collection of programs that enables users to create and maintain a database. DBMS is a general – purpose software system that facilitates the process of defining, constructing, manipulating, and sharing database among various users and applications. Defining a database involves the specifying the data types, structures, and constraints of the data to be stored in the database. The database definition or descriptive information is also stored in the database in the form of dictionary; it is called Meta data constructing the database is the process of storing the data on the storage medium that is controlled by the DBMS.

Manipulating a database includes functions such as querying the database to retrieve specific data, updating the database to reflect in the mini-world, and generating reports from the data. Sharing a database allows a multiple users and programs to access the database simultaneously.

Application program accesses the database by sending queries or request for data to the DBMS . A query typically causes some data to be retrieved; a transaction may cause some data to be read and some data to be written into the database.

TECHNOLOGIES USED

HTML

HTML is a hypertext markup language which is in reality a backbone of any website. Every website can't be structured without the knowledge of html. If we make our web page only with the help of html, than we can't add many of the effective features in a web page, for making a web page more effective we use various platforms such as CSS. So here we are using this language to make our web pages more effective as well as efficient. And to make our web pages dynamic we are using Java script.

CSS

CSS Stands for "Cascading Style Sheet." Cascading style sheets are used to format the layout of Web pages. They can be used to define text styles, table sizes, and other aspects of Web pages that previously could only be defined in a page's HTML. The basic purpose of CSS is to separate the content of a web document (written in

any markup language) from its presentation (that is written using Cascading Style Sheets). There are lots of benefits that one can extract through CSS like improved content accessibility, better flexibility and moreover, CSS gives a level of control over various presentation characteristics of the document. It also helps in reducing the complexity and helps in saving overall presentation time. CSS gives the option of selecting various style schemes and rules according to the requirements and it also allows the same HTML document to be presented in more than one varying style.

JavaScript

JavaScript is considered to be one of the most famous scripting languages of all time. JavaScript, by definition, is a Scripting Language of the World Wide Web. The main usage of JavaScript is to add various Web functionalities, Web form validations, browser detections, creation of cookies and so on. JavaScript is one of the most popular scripting languages and that is why it is supported by almost all web browsers available today like Firefox,

We used the browser Opera or Internet Explorer. JavaScript is considered to be one of the most powerful scripting languages in use today. It is regularly used for the development of client-side web development. JavaScript is used to make web pages more interactive and dynamic. JavaScript is a light weight programming language and it is embedded directly into the HTML code. JavaScript, as the name suggests, was influenced by many languages, especially Java.

PHP

PHP is a very powerful server-side scripting language for developing dynamic web

applications. Using PHP, one can build interactive and dynamic websites with ease. PHP script can be embedded straight into the heart of html code. PHP is compatible with various web servers like Apache and the Microsoft's IIS as well. All the PHP scripts are executed on the server and it supports various databases like MySQL, Oracle, Solid, Generic ODBC etc; however, it is mostly used with MySQL.

SQL

SQL stands for Structured Query Language. SQL lets us access and manipulate databases. SQL is an ANSI (American National Standards Institute) standard. SQL can execute queries against a database ,retrieve data from a database, insert records in a database, update records in a database, delete records from a database, create new databases , create new tables in a database , create stored procedures in a database, create views in a database, set permissions on tables, procedures, and views.

CONCLUSION

This paper assists in automating the existing manual system. This is a paperless work. It can be monitored and controlled at all. It reduces the man power required. It provides accurate information always. Malpractice can be reduced. All years together gathered information can be saved and can be accessed at any time. So it is better to have a Web Based Information Management system. All the stakeholders, faculty and management can get the mandatory information without delay his system is essential in the colleges/hostels and universities.

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