CHAPTER 1

INTRODUCTION

1.1 PROBLEM STATEMENT:

This project is aimed at developing an online application for the Training and Placement Department of the college. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. This system can be used as an application for the Training and placement department of the college to manage the student information with regards to placement. Students logging should be able to upload their information in the form of a curriculum vitae. Students logging in may also access/search any information put up by Students.

1.2 PURPOSE:

For the purpose of training and placement of the student in colleges, Training and placement department have to collect the information and Curriculum vitae's of students and manages them manually and arranges them according to various streams. If any modification is required that is to be also done manually. So, to reduce the job required to manage Curriculum vitae's and the information of various recruiters, a new system is proposed which is processed through computers.

1.3 SCOPE OF PROJECT:

The project covers a wide scope. The information of all the students can be stored. Curriculum vitae's are categorized according to various streams. Various companies can access the information. Students can maintain their information and can update it. Notifications are sent to students about the companies. Students can access previous information about placement.

- Student Registration facility

- Student Login

- View Student Profile

- Company Page

- Company recruitment schedule Page

- View Recruitment Schedule

- View Selected List of Students

- Administrator Control Panel

- Updates by the Administrator

- View Updates by the Students

1.4 HARDWARE AND SOFTWARE SPECIFICATION

Operating system   : Windows

RAM   : 8 GB

Software   : XAMPP, Notepad++

Languages   : PHP, HTML, JS

1.5 SOFTWARE DESCRIPTION
1.5.1 XAMPP

XAMPP   is   a free   and   open   source cross-platform web   server solution stack package, consisting mainly of the Apache HTTP Server, MySQL database, and interpreters for scripts written in the PHP and Perl programming languages.

XAMPP's name is an acronym for:

- X (to be read as "cross", meaning cross-platform)
- Apache HTTP Server

- MySQL
- PHP
- Perl

The program is released under the terms of the GNU General Public License and acts as a free web server capable of serving dynamic pages. XAMPP is available for Microsoft Windows, Linux, Solaris, and Mac OS X, and is mainly used for web development projects.

1.5.2 REQUIREMENTS AND FEATURES:

XAMPP requires only one zip, tar, 7z, or exe file to be downloaded and run, and little or no configuration of the various components that make up the web server is required. XAMPP is regularly updated to incorporate the latest releases of Apache/MySQL/PHP and Perl. It also comes with a number of other modules including OpenSSL and phpMyAdmin.

Self-contained, multiple instances of XAMPP can exist on a single computer, and any given instance can be copied from one computer to another.

It is offered in both a full, standard version and a smaller version.

1.5.3 COMPONENTS

XAMPP 3.2.1, including

- Apache 2.2.21
- MySQL 5.5.16
- PHP 5.3.8
- phpMyAdmin 3.4.5
- FileZilla FTP Server 0.9.39

- Tomcat 7.0

1.6 DESCRIPTION OF SERVER LANGUAGE
1.6.1 FEATURES OF PHP

PHP is a general-purpose server-side scripting language originally designed for Web development to produce dynamic Web pages. It is one of the first developed server-side scripting languages to be embedded into an HTML source document rather than calling an external file to process data. The code is interpreted by a Web server with a PHP processor module which generates the resulting Web page. It also has evolved to include a command-line interface capability and can be used in standalone graphical applications.PHP can be deployed on most Web servers and also as a standalone shell on almost every operating system and platform free of charge. A competitor to Microsoft's Active Server Pages (ASP) server-side script engine and similar languages, PHP is installed on more than 20 million Web sites and 1 million Web servers. Software that uses PHP includes Joomla, Wordpress, MyBB, and Drupal.PHP was originally created by Rasmus Lerdorf in 1995. The main implementation of PHP is now produced by The PHP Group and serves as the formal reference to the PHP language. PHP is free software released under the PHP License, which is incompatible with the GNU General Public License (GPL) due to restrictions on the usage of the term *PHP* While PHP originally stood for "Personal Home Page", it is now said to stand for "PHP: Hypertext Preprocessor", a recursive acronym.

CHAPTER 2

LITERATURE SURVEY

2.1 REFERENCE PAPER 1:

WEB BASED PLACEMENT MANAGEMENT SYSTEM

The project is aimed at developing an application for the "WEB BASED PLACEMENT MANAGEMENT SYSTEM" of the college. The system is an application that can be accessed and effectively used throughout the organization with proper login enabled. This system can be used as an application for the Placement Officers in the college to manage the student information with regard to placement. Student logging should be able to upload their personal and educational information in the form of a resume. The key feature of this project is that it is one time registration enabled. Our project provides the facility of maintaining the details of the students. It reduces the manual work and consumes less paper work to reduce the time. This project is developed with PHP for frontend and MY SQL for backend.

The purpose of the project "WEB BASED PLACEMENT MANAGEMENT SYSTEM", the manual work makes the process slow and other problems such as inconsistency and ambiguity on operations. In order to avoid this web based placement managed system is proposed, where the student information in the college with regard to placement is managed efficiently. It intends to help fast in fast access procedures in placement related activities and ensures to maintain the details of the student. Students logging should be able to upload their personal and educational information. The key feature of this project is that it is one time registration enabled.The placement cell calls the companies to select their students for jobs via the campus interview. The placement cell allows the companies to view the student resumes in selective manner. They can

filter the students profile as per their requirement. The job details of the placed students will be provided by the administrator. The administrator plays an important role in our project. Our project provides the facility of maintaining the details of the students and gets the requested list of candidates for the company who would like to recruit the students based on given query.

2.2 REFERENCE PAPER 2

ONLINE TRAINING AND PLACEMENT SYSTEM

This system gives the very efficient way of placement of students. In this system the student does their registration very simple manner the placement officer can easily get the information of students. The system gets easy access to the eligible student. According to that system notify the students. How many students gets placed that will be shown by the various graphs. The system also helps the college to maintain records of current and previous students also. The system gives records to college for alumni meets. Placement officer prepares the schedule of all activities regarding the placement. The company provides the criteria who students are eligible automatically they notify. Student, TNP staff, TPO get the required information. Those students have registered all of them are eligible for this system.

Web based training and placement system automate the system. This system helps to the student's staff and college There are traditional notice boards in the colleges due to this the no of students can't get the information within the time limit to overcome this limit this system plays and vital role displays the notices within the time limit. The system itself fully automatic it sends SMS, Emails to the students. According to that whatever number of students get placed, the various graphs generates. Students store their information in the system the student's information access by college company. According to the company criteria, the student selected

and notify by the SMS, email. Who students come in the company criteria only that students are eligible for the placement.

The project aim is to develop Online Training and Placement system .The training and placement system gives more easiness to the users so that they can add and retrieve information quickly. Once user opens this system all the schedule/events are available to everyone. There are six types of user admin, current student, alumni, training and placement officers, training and placement staff, departmental staff and companies. The administrator is the master user having most of priorities than other users and has different functions like updating, viewing and approval for various application forms. Page Layout There is two types of student current student and alumni. The current student can view and enter information i.e. do registration edit their CV's online, update them constantly. Student can very flexibly search for and view company and vacancy details. A separate registration and profile will be done for alumni student. Alumni are kept in contact by an automated notification by email messages or SMS .They can post queries, reply queries, this will be helpful for current students. The administrator provides access to different users like TPO, TnP staff and departmental staffs each are provided with different features and security. TPO give an approval to edited information by the student, search the eligible student based on company criteria and can generate the list send email to eligible student.

The TnP staffs are very important they provide the approval and conformation to students. Find student based on skill or extracurricular activities, put online notices schedule and events. The company have to get register so that their information like the URL, contact, information, paper, vacancies will be provided. The web server to manage a performance the TnP activities efficiently. The database stores the whole data related to TnP system. Automated email system or SMS is used to notify the each student and other modules of system. the forum is platform provided to all users for communication to each other.
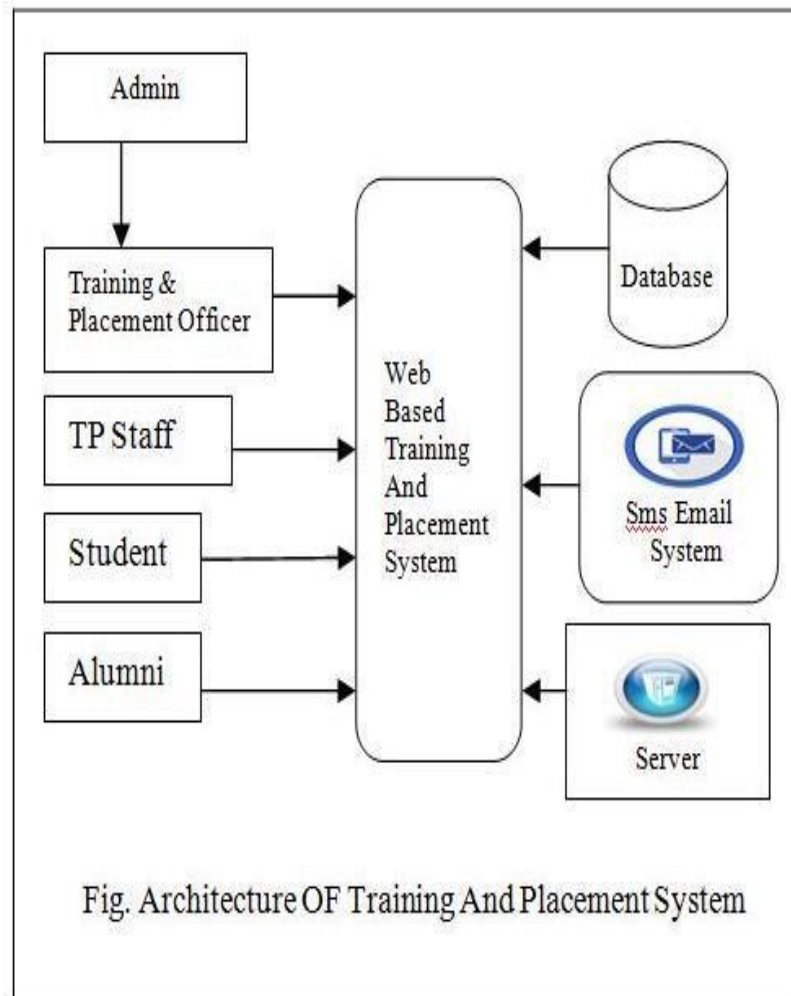
Fig2.2 Architecture of training and placement system

2.3 REFERENCE PAPER 3

WEB BASED TRAINING AND PLACEMENT SYSTEM:

Web Based Training and Placement System is a centralized system where TPO, TP Staff, Student, Alumni are the Users of the system. In the architecture of training and placement system there are three admin namely TPO, Department staff and Tnp staff. All these are contributing for control of system. The TPO is the main admin of the system. The another important parts of the training and placement system are student, company and forum for which system designed. In student there are further two types first is regular student an alumni. For this different strategy is used rules are

there in the system. And hence there are separate class for it above mentioned all are min component of architecture. Web server and database is used in system to store data Database is the main part of this system. Automated email system is also provided in it for easily inform to the student. In this system automatically information regarding with campus is send it to student. In overall architecture data is stored and then as per rule and condition data is obtained and further more processing applied on it such as making report and sending mail to student.

2.4 REFERENCE PAPER 4

REVIEW ON TRAINING & PLACEMENT CELL SYSTEM

Training & Placement Cell System is a System Which allows the college and the companies to manage the student's information about campus recruitment collecting and managing the information about students manually has become very hard.Now days, to make this process easy and effective a part of college administration is made specific to do this job. And this part is called Training & Placement cell System. This System is made or can be made through various techniques like android based application, web based or by using many programming languages like Java, Android, ASP.NET and Python. To perform the activities related to placement services, the system's purpose is to design a system that provides functionalities. It is based on complete modular architecture this modularity of the architecture will allow us to replace or add modules in the future as a way to enhance a particular feature of particular situation. Some of the modules are implemented by means of managing placement and training in the present work.

2.5 REFERENCE PAPER 5

PLACEMENT PORTAL

This project is aimed at developing an online application for the Training and Placement Department of the college. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. This system can be used as an application for the TPO of the college to manage the student information with regards to placement. Students logging should be able to upload their information in the form of a CV. Visitors/Company representatives logging in may also access/search any information put up by Students. The proposed system is to make an online web portal for Information Technology Department, so that everyone can get information about department, students can easily communicate with teachers from anywhere. Teachers can easily communicate with the students, and can keep records of every student easily and efficiently. The proposed system could be accessed from any corner of the world on net. This project provides the facility of maintaining the details of the students and gets the requested list of candidates for the companies who would like to recruit the students based on given query.

CHAPTER 3

DESCRIPTION

3.1 INTRODUCTION

This project is mainly intended for automating this procedure that can help the people who belong to the Training and Placement cell by saving their time ,based on this basic operation actually their activity is under two steps the first one is, to maintain the list of students and their credit records and the second job is to maintain the company details and based on the company requirements, need to select the students and make the list of students branch wise, which is more complex task, and here informing is through notice boards , where as this is also a bit old fashioned task, which can be automated in our proposed system by sending mails to the respective candidates. This proposed system is far advantageous than the existing one in many cases such as retrieving the student details is easily maintained in a manner that with just one click we can easily attain the details of the company such as the responsible person contacts and company contact details such as address and phone numbers can be maintained.

Training and Placement cell mainly include the details of students. The percentage of the students must be appropriate and true. The notices can be generated, so that we notify all the departments the corresponding information about campus recruitment drives. The student detail can also be viewed.

3.2 BLOCK DIAGRAM

3.3 SYSTEM STUDY AND ANALYSIS

3.3.1 PROBLEM DEFINITION

Now a day, student joins the college for better education as well as for better placement for their future. The placement activities plays very important role in student career and building college reputation. In the current system all training and placement activities are done manually, there are more chances of error. It is very time consuming activity for collecting, managing, updating student data as number of student increases. The notice board is old method of informing student about the placement activities. The training and placement officer has to short list according to company requirement. It is required to design of a computerized student automation module to speed up capabilities.

3.3.2 PRODUCT INFORMATION

3.3.2.1 EXISTING SYSTEM:

- Filling of forms by students

  Here a form is given to students in which he/she has to fill with some details such as his name, roll number, contact details, percentages(from first year to till date), Intermediate particulars(name of institution, place, year of pass, percentage), SSC particulars(name of institution, place, year of pass, percentage).

- Collecting marks from green book

  Marks of each student are collected from green book (a book containing marks and other details maintained by each department in college).

- Preparing excel sheet

  From the data collected through filled-forms and green book, excel sheets are prepared.

These excel sheets are used to prepare a list of students who full-fill the requirements of a company visiting the campus and these students are eligible to attend the campus placement.

3.3.2.2 PROPOSED SYSTEM:

In the proposed system the user need not do all the hectic work. he will be provided with an interface with which he can easily get his work done.

The following are the facilities that are provided by the system to the user.

- Notice generation

  Here user has to provide information to the system about company name, date and venue at which campus drive might take place. With this information the system will generate a notice which can be seen on students' account to intimate students about placement drive.

- Student list generation

  Here the user has to provide information to the system about the requirements of the company (such as, cut off percentage, number of backlogs allowed etc.).

- View student profile

  Here the user is able to view a student's profile of his interest by giving the student's roll number as input.

- Result analysis

  Here the user is able to get the results which are released and store them for later usage.

- Posts

  Here the user is provided to post updates or any necessary details to students or others (for example-company officials) depending on his need.

3.3.3 PRODUCT FEATURES

- Complete automation is possible in this sector, which is against the main disadvantage namely time consuming.
- Can maintain student details who have been studying in the college.
- Any kind of lists based on students profile can be retrieved with in less time.
- Results are uploaded directly from net so that no errors exist in calculating percentages.
- Effective and good means of communication can be facilitated as we have included mailing module in the proposed system.
- User can also register student and can view and delete there profile.

3.3.4 REQUIREMENT ANALYSIS

We are overcoming the difficulty of student details which were manual in the current system and here we generate detailed information about the students which will save our time to inform each and every batch and section and student profile is maintained.

3.3.4.1 FUNCTIONAL REQUIREMENTS:

A student should be able to login to the system through the first page of the application, and mention his required user name and he should get his details which he can view and update it. An administrator can login into his account and he will update the student information.

3.3.4.2 NON FUNCTIONAL REQUIREMENTS:

Usability

This section includes all of those requirements that effect usability.

- We get the response within seconds.
- The software must have a simple, user-friendly interface so customers can save time and confusion.
- As the project is made using php, it has fast loading time then the website made using any other language.

Reliability

- The system is more reliable because of the qualities that are inherited from the chosen platform php. The code built by using php is more reliable.

Supportability

- The system is designed to be the cross platform supportable. The system is supported on a wide range of hardware and any software platform. This application is being developed using xampp, hence it is extremely portable.

Implementation

- The system is implemented in web environment. The apache tomcat is used as the web server and windows xp/vista/7 is used as the platform.

Interface

- The user interface is based on the web browser. The application is developed using JS and HTML.

- The Interface design is aimed at a flexible front-end communication to provide the user with clear information in navigating a user-friendly interface is planned.

3.3.5 MODULES DESCRIPTION

CAREERMATE provides the modules like

- Student
- Admin

3.3.5.1 STUDENT MODULE

3.3.5.2 ADMIN MODULE

3.4 MERITS AND DEMERITS

3.4.1 MERITS

- The completely separate business logic at server side from the student interface ensures good performance.
- The system exhibits high performance because it is well optimized. The business logic is clearly separate from the User Interface.
- The response to the user is within seconds, providing all the information at a glance.

3.4.2 DEMERITS

- It does not working if any internet connection loss or offline mode.
- It is not always easy to access the information which is stored on the server because sometimes the server can be temporarily down.
- It only working with the internet connection.

3.5 APPLICATION

CHAPTER 4

RESULTS

APPENDIX

CHAPTER 5

CONCLUSION

TPO create an environment which remove the pen and paper work and reduce the time consuming work. It use graphical user interface for designing, which provide convenient understanding about the structure of the system. It also have particular module for a particular area like for students details system have student module, for company details system have company module and for institute/TPO details system have own separate admin module. For security purpose also have password changing option. There are types of technologies which is used to develop a TPO system like web portal, android, java, python, php etc. It is very important system for those students who are graduate and searching for the jobs in different streams and areas.

FUTURE SCOPE

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