IJAS

Implementation of online College Placement System

Mayuri S.Patil[1], Pranali R.Kapse[2], Arati Y.Mahure[3], Omkar R.Rathod[4], Ashfaque Khan[5], Vinod R.Thakare[6]

[1,2,3,4,5]Students Department of Electronics And Telecommunications Engineering, Jagadambha College of Engineering and Technology, Yavatmal
[6]Asst Prof. Department of Electronics and Telecommunications Engineering, Jagadambha College of Engineering and Technology, Yavatmal

Abstract: From a student's perspective, placements can bring a wide range of benefits and opportunities. Training and management of placement is a crucial part of an educational institution in which most of the work is done manually. Manual system in colleges requires a lot of manpower and time. With this project, we aim to From develop a web portal to solve this issue. The project is aimed at developing an application for the placement department of the college. The system is an application that will be accessed and effectively used throughout the organization with proper login enabled. It can also be used as an application for the Placement Officers in the college to manage the student information about placement thus reducing the manual work and consuming less paperwork. The system also provides the facility of viewing the personal and academic information of the student. The system gets the requested list of candidates for the companies who would like to recruit people according to their eligibility criteria. Laravel framework is used to facilitate the process of making the program.

1. INTRODUCTION

Manual Training and Placement which is done at various colleges is by human intervention due to which there is a maximum chance of errors. The major problem is searching and updating the student data. Placement officers have to manage the student's profile and documents. Placement Officer has to collect the information of various companies who comes for recruitment. They have to arrange profiles of students according to various streams and notify them each time according to company requirements. Placement officers submit the information of students and if any changes or updates are required in the profile of any student, it has to be done manually. This process is so difficult and tedious when the number of users increases. This is tedious and time-consuming. Chances of missing data are also possible. It is also difficult for collecting, managing, and updating student data as the number of students increases. So to solve the above problem and with the use of the Internet and the World Wide Web have revolutionized the provision of information and the facility for the user to take action on the information obtained.

Online training and placement management system provides information on placement providers and their placements so that students can view and assess their opportunities. JCOET (Jagadambha College of Engineering and Technology) will have well-developed websites to inform their students of vacancies and how to prepare for their work-integrated learning experience. The online training and placement management system is an Application to facilitate students in   JCOET to register and fill out the application form.

The users can access easily to this and the data can be retrieved easily in no time. In the student registration form, we can give personal details.

Literature Survey

A paper on "Generating Placement Intelligence in Higher Education Using Data Mining" gives that a university is an institution of higher education and research that grants academic degrees in a variety of subjects and provides both undergraduate education and postgraduate education. The university performs various activities like enrolling the students, conducting classes, conducting special workshops on different subjects, conducting placement, etc. This paper is going to describe the activity related to placement,   placementcell and student database.

Project Scope

The project has a wide scope. Our project mainly helps in improving productivity and makes use of the utilization of resources. There is no duplication of work as this was not the case when done manually. Thus it reduces labor and increases morale. The system intends user-friendly operations which may resolve ambiguity. The project is a total management and informative system, which provides up-to-date information about all the students in the college. Our system also helps the college to overcome the difficulty in keeping records of hundreds of students and searching for a student eligible for recruitment criteria from the whole thing. It helps in the effective and timely utilization of resources. The project facilitates user-friendly, reliable, and fast management system. The placement officer itself can carry out operations smoothly and effectively. They need not concentrate on record keeping. The college can maintain computerized records thus reducing paperwork, time, and money.

Existing System

All processes in the existing system are handled manually. All the work that is done in the existing system is done by human intervention. As all the work is done manually, there were a lot of workload on the placement officer and it also increases the maximum chances of errors. This is so slow and time-consuming. Due to the increase in the number of users, the process become more difficult.

Another problem students face is that they are not made aware of the Training and Placement activity held in their institutions, hence there might have been a loss of opportunities. There is also a large communication gap between students and the placement officers as it is difficult to maintain coordination between them. The existing system is also inefficient as it could not take acknowledgment from the students attending a particular drive. Hence lots of confusion at the last moment also arises. As all this is done manually, there is a lot of workload on the placement officer.

Proposed System

The proposed Online Training and Placement System management system is meant to give more easiness to the users so that they can add and retrieve information so quickly.

There are mainly three types of users they are administrator, student, and HR. The administrator is the master user; he gets the most number of priorities than the other users. The different functions involve the case of an administrator updating, approving, and sending information to the students regarding placements. The administrator can view and approve the various application forms. Students can register and view the details. The placement officer can log in through the HR section to view the details of the HRs, placed students, and training details.

The proposed online training and placement management system is intended to avoid all the drawbacks of the existing system. It will add some more features than the existing system. The proposed system is a cost-effective way of doing the manual processes in the existing system. This helps the JCEOT (JCOET Engineering College) organization to win the war in the existing competitive world.
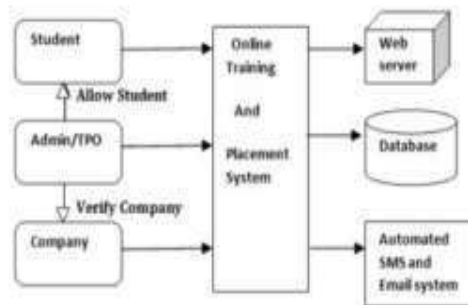

Fig : Architecture diagram of College Training and

Placement Management system

Hardware and Software Requirement:
Front End: PHP
Server Side Language: HTML, JavaScript, CSS
Back End: MySQL

Hardware Requirements:
Memory of 4 GB RAM or more
Monitor resolution of 1024 x 768 or higher
Intel Pentium 4 or AMD Athlon 2 GHz (or faster)
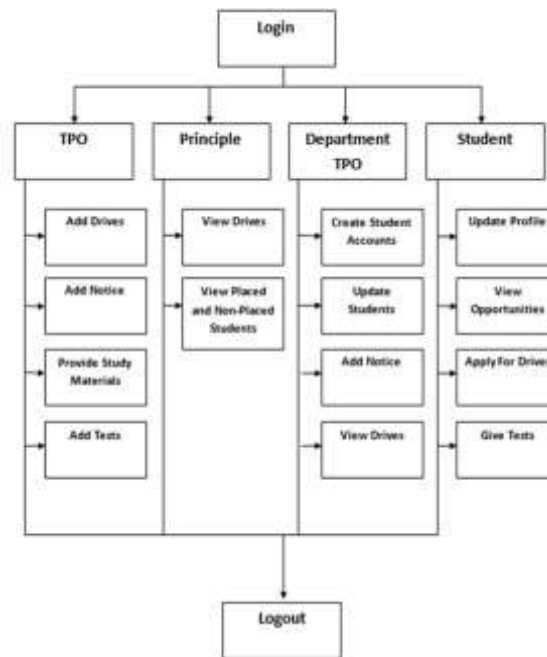1 GB (or more) available hard disk space

Software Requirements:
XAAMP Server
Operating system:
Windows XP, Windows 7, or Windows 8 Mac OS X Snow Leopard 10.6, Mac OS X Lion 10.7 or Mac OS X Mountain Lion 10.8

2. **METHODOLOGY**

Algorithm for Code

Step 1: Start

Step 2: Login

Step 3: Select to login from student account/ TPO account/ principal account/department account which you can easily login/logout/update profile.

Step 4: Enter username and password also you can change password by using forgot password option from profile.

Step 5: Add / edit/ delete / create faculty details, student details, company details and reports.

Step 6: View student details /company and campus details and apply for the campus drives and prepare for the same through material and practice tests provided.

Step 7: Chat with other students and give practice tests from exam module of respective category.

Step 8: View list of places and non-placed students.

Step 9: Logout.

Step 10: Exit

Project Modules

The college training and placement (CTAP) system provides modules like

1. STUDENT MODULE
2. ADMIN MODULE
3. COMPANY MODULE

1. Student Module

This Module consists of a login option and a registration window for unregistered students. Students will use their choice of username and a properly specified length password. The functionalities provided in this module consist of:

Students can view company data

Admin dashboard has overall functional rights

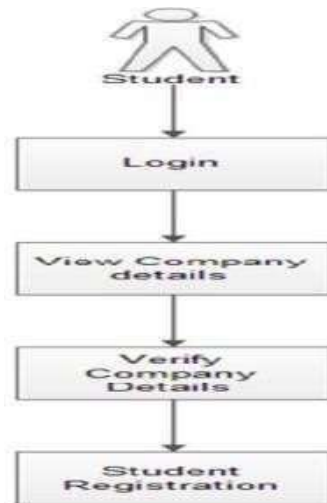Appropriate data processing and handling

It helps the Students to update their details anytime.

The students would be able to view the company requirement.

Students will be provided with a link to apply for the company if eligible.
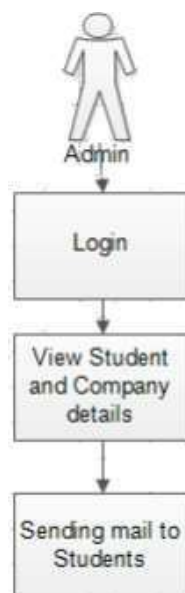
Previous Year's placement paper and material are also provided.

Students can see the complete profile of the company. Such as the recruitment procedure history CTC offer and the working environment.

2. Admin Module

The Placement officer is the administrator of the system. Admin plays a very crucial role in the system. Admin can log in through a username and password. He/she can maintain the placement activities via the system. Admin can add departments, create new batches, and add /delete drives. Students can directly join the placement drive if interested. Admin can manage the training programs conducted in the college. Admin is also able to analyze the placement activities of each student.

Admin has the authority to manage various functionalities of the system. This module will be handled by an Admin (say Training and placement Officer) who has the authority to:
Add company details
Provides authentication for registered students
Add news feed and send notice
Update company data. Overall records of the students will be presented over the portal like the data of all placed and unplaced students which will reduce the bottleneck of confusion among students.
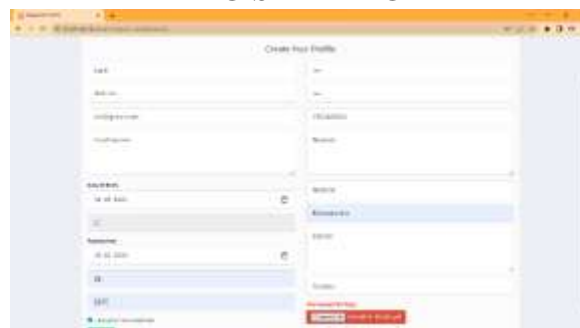
3. Company Module

The company enrolls themselves and registers their profile and there will marquee on the main page till their drive and view the student's details and update their details. Login, Company, Student details view.

3. RESULT AND IMPLEMENTAION

REGISTER PAGE

LOGIN PAGE

4. CONCLUSION

Our proposed system work according to the IEEE paper. It can successfully login authorized persons into the system and register them. In our system admin can check the Student list of those eligible according to criteria given by the Company and notify them instantly and update the information anytime successfully. Our system is Secure and User friendly for all three modules.

Increasing the need for comfort and inculcating all the data in one place has always been a challenging process for everybody. With the introduction of this web-based training and placement portal, we promise to make the lives of students and administration a little easier by proposing an alternative to the current system being used. Easy accessibility and functioning of this portal will allow easy management of the allocation process during the placement period. With the increasing demand for digitalization in every aspect of day-to-day activities we can anticipate the great demand for such portals shortly and the comfort it will bring with it to the lives of all. Also, the rapidly increasing concerns of global warming due to increase deforestation for a large amount of paper requires we here have a minor role to save Mother Nature. So we hope all of you can sit back and relax and enjoy the luxury of Digitalization. More so in this busy and exhausting life, we are saving one of the most crucial factors that keeps us running which is human energy.

5. REFERENCE

[1]   Aswathappa K," Human Resource Management", Tata McGraw Hill, sixth edition, 2011.
[2]   Amit Dar et al., " Skill Development in India the Vocational Education and Training System", Human Development Unit South Asia Region the World Bank. 5- 10, 2006.
[3]   Archana Mantri, Sunil Dutta, et al., "Embedding soft skills in technical studies: The problem-based learning way", The Indian Journal of Technical Education, Vol. 30, pp. 79-83, 2007.
[4]   Gunderloy, Jorden BPB Publications (2000) - "Mastering SQL Server"
[5]   Luke Welling and Laura Thomson (5th Edition) - "PHP and MySQL Web Development"
[6]   Roger S. Pressmen, T. Mc. GH. – Software Engineering .