Web Application for Training and Placement Cell

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Abstract — A project called "Web Application for Training and Placement Cell" is a student-campus information system. TPO database-based management system plays a central role in most universities, the work has been done manually. The goal is to perform automatic training and placement. University. This application reduces manual work and maximizes optimization, abstraction and security. The web application helps the students as well as the administrators with doing all the activities and recruiting on campus. This software can be used for university education and placement cells to manage students. Information about placement students can view the eligibility criteria based on percentage, participating in upcoming placement drives and get access to technical and company-specific questions. It has the ability to maintain student details and reduce manual work. A training and placement officer (TPO) can display information about students, collect resumes and many additional features.

Keywords: Web Application, Training and Placement Officer (TPO)

I. INTRODUCTION

In today's world, everyone wants things to be done with one click, but the training and placement system still exists and is managed manually. The objective is to automate the placement management system. This web application provides a facility to maintain details of students as well as update them. The administrator in the system is able to search and view information about students. Using the Internet to enable the location Coordinator to manage the placement process with active involvement of students. It has led to the development of a unique web-based training and placement management system for universities.

Our training and placement management system provides information about placed students, the campuses they have applied to, the latest university drives and places they offer, allowing students to view and evaluate opportunities. The online education and placement management system is a program designed to facilitate the registration and completion of the student application. Easy access for users and immediate data recovery. A student login can provide personal information, educational qualifications, and professional skills. Placement details for placed students will be provided by the principal.

The main purpose of this application/project is to develop an online application for training and college department locations. This system acts as a central repository for all information about students. So, this system can be used as an application for a TPO of the higher education institution to manage information for students with respect to training and placement in another organization. This online training and placement system manages all of these activities and that saves time, manpower and the biggest advantage is that it is web-based. This system is designed to receive accurate company requirements and automatically check the corresponding student profile.

II. METHODOLOGY

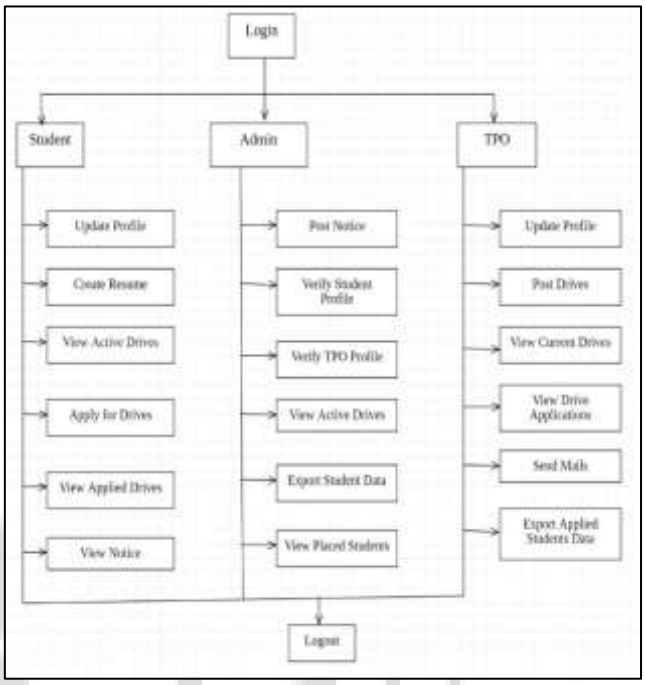

Fig. 1: User Flow Diagram

A. *Algorithm:*

Step 1: Get started
Step 2: Login
Step 3: Select to login from a student account/TPO account/department account which you can easily login in/logout/update your profile.
Step 4: Enter the username and password, you can also change the password using the forgotten password option.
Step 5: Add / Edit / Delete / Drive Details, Student Details, Company Details and Placement Reports.
Step 6: view student/company details and campus details and request a campus recruitment drive.
Step 7: View the list of seats and unplaced students.
Step 8: Sign out.

III. IMPLEMENTATION

A. *Front End*

HTML, CSS, and JavaScript are the languages that are used for front-end development. Construction, design, the behaviour and content of everything on the browser screens if it is a website, web application or mobile application open, is designed by front end developers. JQuery is an open-source JavaScript library that simplifies interaction between an HTML/CSS document or Document Object Model (DOM) and JavaScript.

B. Back End

PHP is considered very friendly for web development for many reasons. According to PHP, it's easy to use and less difficult to find skilled talent than other specific programming languages. Apart from this, PHP is designed to work with the most common databases. PHP is designed to process large amounts of data on the server side. Web development perspective One advantage is that PHP has a large developer community.

C. Database

phpMyAdmin is free and open-source software that provides functionality for operations and management. MySQL on the Internet, allows users to easily control and monitor their database. A GUI known as phpMyAdmin. The GUI is written in PHP. Users can operate MySQL through phpMyAdmin. Users can still execute SQL queries directly. The graphical user interface allows users to database manipulation operations such as editing, creating, deleting and modifying fields and tables. So phpMyAdmin plays an important role in database management and creation.

IV. PROPOSED SYSTEM

A. Admin Module

Admin is the main user. He has priority over other users. A different function concerns updates and approvals in the case of administrators. Administrators can view and edit student details. You can see all vacancies in the system like any other user. Administrators can also export a table of key statistics about groups for further analysis. The administrator obtains student approval and compliance through an automated email system. TPO may display student-provided information such as grades, contact information, mobile phone numbers, extracurricular activities, or other information.

B. Student Module

Students need to sign in to the system and update their personal details. After successfully signing in, they can log in to the system. Students can review and enter information. Students can update their resumes. Students can very flexibly search for and view companies and vacancy details, and apply for vacancies by attaching a CV. Students can also use the system to read important announcements, obtain information on assessments, and see the results of assessments recorded in the system.

C. TPO Module

TPO can register a Company with the college and Post Drives. In the TPO module job details, drive details will be provided. TPO can edit their drive information. TPO can see how many students are eligible based on the criteria available. TPO can export the applied student details. TPO can communicate with the Student and Admin through a mail system.

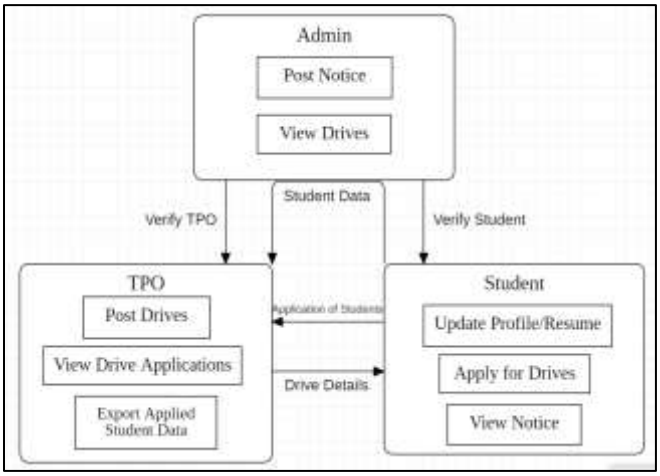

Fig. 2: System Architecture

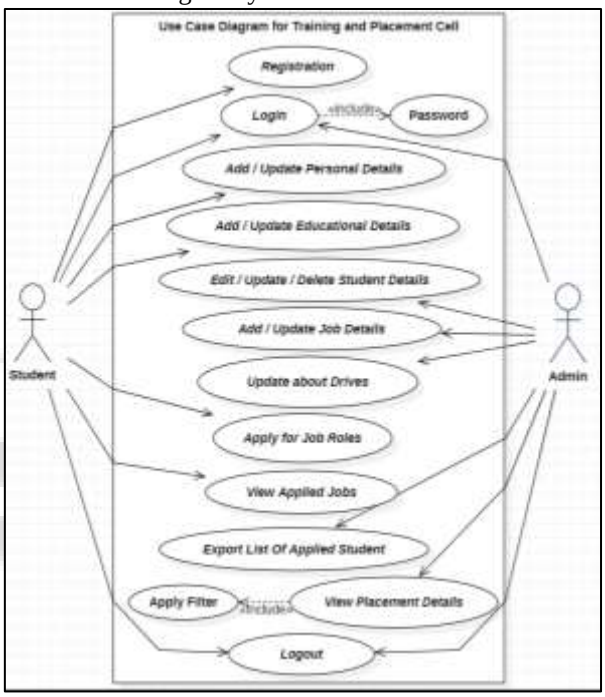

Fig. 3: User Case Diagram

V. RESULT ANALYSIS

Features	Existing System	Proposed System
Login	Login Module for Student and TPO.	Admin Module are added which controls Recruitment Process.
Security	No need of Approval from Admin.	Admin Approval required for student and TPO Login.
Access	TPO have complete Access to student Data.	Only Admin have Access to student Data.
Resume Builder	Absence in Existing System.	Student can update details and create resume using this module.
Security	Any Student can apply for the Drive as there is nothing about eligibility check.	Only the Eligible Student can apply for Drives as there is checking criteria as per company needs.

VI. FUTURE SCOPE

The proposed training and placement system has plenty of room for improvement in the system. The pool campus operated by our university can also grant restricted access to the system to other college students. Apart from that, there is room to generate many functions. Online proficiency testing can be integrated with online placement systems, so students can take the exam from anywhere. The online placement system may have more additions and improvements in the future. This system was designed for maximum excellence. Still, it is a human endeavor, so accept the downside. The system cannot provide SMS integration. Therefore, it can be modified to allow SMS integration. The program is coded in a more structured way to allow future extensions to be included. The system has room for improvement. Apart from these, you can generate many more functions. The software can be easily extended without affecting functionality. In the future, the system can be placed in the cloud to reduce data maintenance. The exam system is integrated into the system, allowing direct call up of student results. There may be many more additions and improvements to the system in the future. The system also provides a better platform for students to communicate with each other through chat boxes. Staff can add practice tests to allow students to practice placement tests. Practice will help you feel more confident when you take the actual exam. This system offers the possibility of exam modules for students to take mock exams.

VII. CONCLUSION

The most important thing in the computer age is to avoid daily manual tasks and automate them as much as possible. This step of automating the T&P cell provides a new avenue and direction for the recruitment process at full scale. This speed up the process without any human error. Since the database of this system is a centralized database, this database can be used as a reference database for new expansions that can be done in departments such as assignments, libraries, student report writing, admissions, etc.

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