Implementation of ERP for Student Training and Placement

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ARTICLEINFO

ABSTRACT

Training and Placement is the crucial part of any educational institute in which most of the work till now is being done manually of papered work. The aim of this project is Automation of Training and Placement unit of College or academic institutes. The project will include minimum manual work and maximum optimization, abstraction and security. This is a web application which will help students as well as the administration authority to carry out each and every activity in this department.It also provides a requested list of candidates to recruit the studentsbased on given query. Administrator logging in may also search any information put up by thestudents. This project will aid colleges to practice full IT deployment. This will also help infast access procedures in placement related activities.

Keywords- Placement, TPO, Registration, Criteria, Access, Students, Administrator, Academic.

I. INTRODUCTION

In Today's fast paced era of engineering, students should get a job in their branch or related field before graduation, we have made this project keeping in mind the main goal. At the same time, we aim to achieve this goal by giving them an opportunity to pursue a career in their branch by choosing their favorite subject. We are of the opinion that after graduation, they should get placement as soon as possible without wasting time, at the same time, their main goal is not only to get placement, but also to make them aware of skills in specific fields.The project is aimed at developing an online web application for the training and placement department of the college. The system is an online web application that can be accessed throughout the Institute with proper login provided. This system can be used as an application for the TPO of the college to manage the student information with regard to placement. Student logging should be able to upload their information. Organizations representatives logging in may also access/search information put up by the students.

II. RELATED WORK

Students choose a specific college where the placement will be held, there is a needto maintain all these papers, causing large amount of space. It is manually done,chances of missing, difficult to handle

the details of student.Other features such as giving notification to students about the jobs that are available both on and off campus can be included in the upgraded versions. The system cannot provide the SMS integration. Hence, it can be modified to give the SMS integration. Other features like analytics can be added in future to this portal for tracking the progress of student in specific areas. After analysis this system will notify students of the areas they are lacking in.

III. METHODOLOGY

Project also shows to design and implement a web-based Training Courses for Student Placement system. High-quality placements bring good benefits and positive impacts on students as well as for the colleges. During this process college finds it difficult and timeconsuming to collect data from each student. In most cases they collect data manually. Working in a manual system in the colleges requires a lot of manpower and time. The placement management system is an online application that can be accessed throughout the college and outside with proper login details. The proposed Online Training and Placement System management system meant to give more easiness to the users 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 are updating, approval, 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 login through HR section view the details of the HR's, placed students, and training details. The proposed online training and placement management system is intended to avoid all the drawbacks of 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 done in the existing system. This helps the AMCEC (AMC Engineering College) organization to win the war in the existing competitive world.
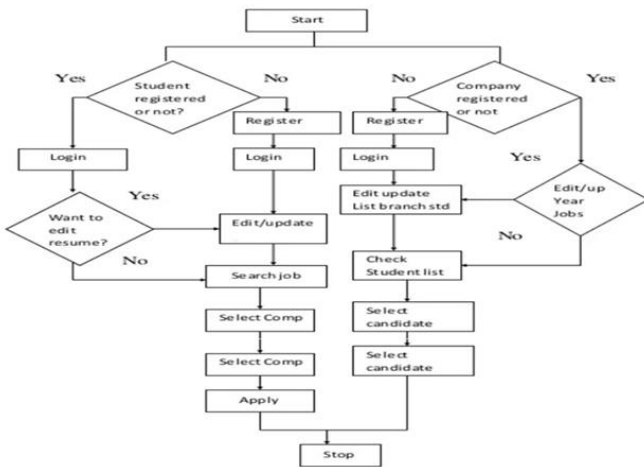
IV. ALGORITHM ARCHITECTURE

The proposed system is intended to do the following:

1) Online Registration: Traditionally the job of registration was done manually at AMCEC by passing the registration form to the students. But this was too much time consuming and also erroneous: So the major need was for the automation for registration by online registration by students themselves.

2) Security For Administrator: The files in which the data is stored is stored in Access file sheets that too separately for each class of department; so the files could be accessed by any one accessing the computer. These files may be 'confidential'. So there is a special need for security. Also provide security for authentication of each and every student.

3) Instant Notification to the Student: The only method for notification until now is by notice board which is not reliable. To countermeasure this problem the notification can be send by E-mail or mobile sms as well as web portal.

4) Alumni Data Base: The alumni data is insufficient and is out of reach of the students. So the proper method to employed to store the alumni data.

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tracking and monitoring the progress of students throughout the placement process.

V. FLOWCHART

VI. RESULT AND DISCUSSION

1. Streamlined Placement Process: The implementation of a training ERP can lead to a more efficient and streamlined placement process for students.

2. Enhanced Student Engagement: With access to training resources and skill development modules, students can actively engage in improving their skills.

3. Improved Placement Success Rate: By providing comprehensive student profiles, recruiters can have a better understanding of students' qualifications, skills, and experiences.

4. Data-driven Decision Making: The ERP system can generate reports and analytics related to placements, providing valuable insights to administrators and placement coordinators.

5. Efficient Communication and Collaboration: The communication module within the ERP can facilitate smooth communication and collaboration between students, recruiters, and placement coordinators.

6. Improved Tracking and Monitoring: The ERP system can provide a centralized platform for

VII. REGISTRATION FORM

VIII. LOGINFORM

IX. DASHBOARD SCREEN FOR TPO (ADMIN)

X. CONCLUSION

The proposed online training and placement management system gives the automation in all the

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process like system, all of these problems become automated. The registration of the student for an registration, updation, searching. It provides the detail solution to the existing system problem. In the proposed upcoming placement, the addition of a new user, notifying students, sharing information, the privacy of the student, etc. is all met. The admin validates the information and gives the student list based on the criteria required which otherwise would have been very difficult to manage.

XI. FUTURE SCOPE

future scope of the "Training ERP for Students Placements" project involves expanding its capabilities, leveraging emerging technologies, and continuously improving the placement process to meet the evolving needs of students, recruiters, and educational institutions. By embracing these opportunities, the project can contribute to more successful and efficient student placements and better prepare students for their professional careers.

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