



Placement Management System (Atlas)

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ABSTRACT:

This is a Campus Placement System aimed at providing the compatibility to simplify the process of placement for students. This system consists of student login, company login and an admin login. This is beneficial for college students, various companies visiting the campus for recruitment. The software system allows the students to create their profiles and upload all their details including their marks and documents onto the system. The admin can check each student's details and can remove accounts. The system also consists of a company login where various companies visiting the college can view a list of students in that college and also their respective resumes along with it they can also check the details and academic performance of the students. The software system allows students to view a list of companies who have posted for vacancy. The admin has overall rights over the system and can moderate and delete the details not pertaining to college placement rules.

Keywords: Campus-Placement, Compatibility, Company-login, Recruitment, Resumes, Vacancy.

I. Introduction

The main purpose of this project is to add new features to existing systems. The proposed one is an online system which can be accessed throughout the Organization and outside as well with valid login credentials. This system can be used as an application for the Training and Placement Department of the college to manage student's information regarding Placements. The student's record includes personal details, educational qualifications, professional skills and academics, etc. This system acts as a central repository for student information. The Campus Placement System acts as an interface between company, campus recruitment cell and students. Here students can get the details by logging into the website. Some circulars regarding ongoing placements which are provided to the students who are going to attend campus placements. This system also provides facility to admin to update details of students and retrieve their data.

II. Literature review

- A. The process of campus placement plays a vital role in the transition of students from academic life to professional life. To streamline this process and simplify it for all stakeholders involved, a Campus Placement System has been proposed. The system includes three different logins- student login, company login, and admin login, which cater to the needs of students, companies, and the administrative staff responsible for managing the placement process.
- B. The system allows students to create their profiles and upload all their details, including their marks and documents, which can be accessed by companies visiting the college for recruitment. This feature is beneficial for students as it enables them to showcase their skills and talents effectively to potential recruiters. The literature on campus placement systems highlights the need for such systems that can help students to present their academic and non-academic achievements to potential recruiters in a user-friendly and comprehensive manner.
- C. The company login feature of the proposed system allows recruiters to view a list of students in the college along with their resumes and academic performance. This feature is essential in helping recruiters to identify suitable candidates for their organization efficiently. The literature on campus placement systems emphasizes the need for such features, which provide recruiters with the necessary information to make informed hiring decisions.
- D. The system also enables students to view a list of companies that have posted job vacancies. This feature is useful for students as it allows them to explore job opportunities that are relevant to their skills and interests. The literature on campus placement systems highlights the importance of providing students with access to information about job vacancies in a transparent and user-friendly manner.
- E. The admin login in the proposed system has overall rights, which allows the admin to monitor the system and moderate the details that do not comply with the college placement rules. This feature is crucial in ensuring the integrity of the placement process and preventing any misuse of the system. The literature on campus placement systems emphasizes the need for such features that can help in maintaining the fairness and transparency of the placement process.

- F. In conclusion, the proposed Campus Placement System aligns with the requirements highlighted in the literature on campus placement systems. It is a user-friendly, comprehensive, and efficient system that can simplify the placement process for students, recruiters, and administrative staff.

III. Problem Formulation

The best part of this project is that it does not require any complex formula or approach, this system is a simple web-based system which will work on the real time data sets which are also uploaded by student or teacher and every change in data can be seen by everyone connected to it.

- A. **Subsection:** In this subsection we will discuss the functions of the Placement Management System and we will have an overview of these functions.

The main aim of the Campus Placement System is to provide the compatibility to simplify the process of placement for students. This system consists of three main modules, in other words it has three main functionalities which are Training Placement Officer's (TPO) Section, Company's Section and Student's Section. All the three modules have some common functionalities like Register, Login, Logout, View Details, View Profile, etc. and the other functionalities are described briefly in Subsection

- B. **Sub-subsection:** In this particular section we will discuss the three main functionalities in brief.

This system will be a web-based system which will work in real time. It will have different sections for teachers and students but will have some same functionalities like register, login, logout, profile, etc. The other functionalities of students section, company section and Training Placement Officer (TPO) section are as follows:

- a. **Student's Section:** The software system allows the students to create their profiles and upload all their details including their marks and documents onto the system. The admin can check each student's details and can remove accounts.
- b. **Training Placement Officer's (TPO) Section:** Unlike the student's section it will have a window where all the details of various students are displayed and TPO can view The student's record including personal details, educational qualifications, professional skills and academics, etc. This system also provides facility to admin to update details of students and retrieve their data.
- c. **Company's Section:** The system also consists of a company login where various companies visiting the college can view a list of students in that college and also their respective resumes along with it they can also check the details and academic performance of the students. This is beneficial for college students, various companies visiting the campus for recruitment.

IV. Competitive Study

Placement management systems are tools designed to assist organizations in managing and streamlining their recruitment and hiring processes. These systems typically provide a centralized platform for employers to post job vacancies, track applications, and communicate with potential candidates. In this comparative study, we will be comparing our system (Atlas) with a popular placement management system named Jobvita.

- A. **Jobvite:** Jobvite is a cloud-based recruitment management system that provides users with tools to manage job postings, track candidate progress, and analyze recruitment performance. Jobvite allows employers to post job openings on social media platforms, job boards, and the company website. It also includes an applicant tracking system that helps employers to screen, track, and communicate with candidates during the hiring process.
- a. **Pros:** Provides a customizable career website, Supports social media recruitment and employee referral programs, Offers integrations with other HR software solutions.
 - b. **Cons:** Limited customization options for recruitment workflows, Does not offer candidate scoring or evaluation features, Integration with other software may be limited, Interface is bit confusing and hard to handle.
- B. **Atlas:** Atlas is a web-based placement management system that provides users with tools to manage job postings, track candidate progress, and collaborate with hiring managers. Atlas enables various companies to post job openings on the website which will be visible to only registered candidates of our college. It also offers features such as interview scheduling, automated candidate sourcing, and a customizable candidate evaluation process.
- a. **Pros:** Provides a customizable career website, Has a student's background check feature, Single platform for all the company visiting the campus for recruitment, It has the feature to send the notification to all the eligible candidates after any post of job opening by any company, Easy-to-use interface
 - b. **Cons:** It is only made on college level, Only students of the college can register in this system.

On comparing, both Jobvite and Atlas provide organizations with an efficient and streamlined way of managing their recruitment process. Jobvite provides better analytics and reporting features, but when we talk about Atlas, it is focused only at our college level and has a better interface than Jobvite, further adding to it, it doesn't show various advertisements and doesn't send spam messages or emails to registered students. Ultimately, the choice between the two systems will depend on the specific needs of the students and the features that are most important to them.

V. Methodology

A methodology study is an analysis of how successfully a system can be implemented, accounting for factors that affect it such as economic, technical, and operational factors to determine its potential positive and negative outcomes before investing a considerable amount of time and money into it. The elements given below describe the methodology of the Placement Management System.

Design: The Design Model which is used in development of this project is Iterative Software Development Model. We have chosen this model because the iterative development model is a software development process that involves breaking down a project into smaller, more manageable chunks, each of which is developed and tested in an iterative cycle. This approach allows for the development team to incorporate feedback and make changes as the project progresses, leading to a more flexible and adaptable process.

Limitations: The limitations of this project are :-

1. Browsers should be compatible and should be updated to the latest version.
2. It requires internet connectivity so it is only available and functional when connected to the internet.
3. This system is only available for students from one college only, students from other colleges can't register in this system.
4. It works only when companies are hiring on-campus, an off-campus feature is not available in this system.

Composition: This project is made up of three main modules, which is handled or used by three different users. These three modules are explained below :-

- A. COMPANY MODULE :** The system also consists of a company login where various companies visiting the college can view a list of students in that college and also their respective resumes along with it they can also check the details and academic performance of the students. This is beneficial for college students, various companies visiting the campus for recruitment.
- B. STUDENT MODULE :** The software system allows the students to create their profiles and upload all their details including their marks and documents onto the system. The admin can check each student's details and can remove accounts.
- C. TRAINING PLACEMENT OFFICER :** Unlike the student's section it will have a window where all the details of various students are displayed and TPO can view The student's record including personal details, educational qualifications, professional skills and academics, etc. This system also provides facility to admin to update details of students and retrieve their data.

VI. Conclusions

In the existing system most of the work will be done manually, as it takes more time for any changes in the system. The major problem with this existing system is that notification is sent by the TPO before every campus visit but here the system sends notification to all the eligible students. The proposed system is an online training and placement management system that gives the automation in all the process of campus recruitment, searching student details individually. This system in future could be built for inter college placement.

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