

WEB APP FOR COLLEGE CAMPUS PLACEMENT SYSTEM

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DOI : <https://www.doi.org/10.56726/IRJMETS35961>

ABSTRACT

The "WEB APP FOR COLLEGE CAMPUS PLACEMENT SYSTEM", is a web-based system designed to provide information to the Training and Placement (T&P) department of a college. The main objective of this project is to develop a web application that supports the T&P department in managing their tasks. Traditionally, most of the work carried out by the T&P department is done manually, and this project aims to automate these processes to make things easier.

The web application will be accessible to students, faculty, and the T&P department with proper login credentials. The primary objective of this application is to facilitate the management of student information related to placement recruitment. It enables students to check their eligibility for upcoming placement drives based on their CGPA. The application also provides access to question papers from various companies and technical materials.

The main advantage of this project is that it simplifies the management of the T&P department and makes it easier for students to access relevant information regarding placements. By using a database, this web application will ensure that information is accessible from anywhere, both within and outside the organization.

Keywords: Students, Eligibility, Database, Training And Placement Management System, Students Forms, Google Forms Updating, Resume Building.

I. INTRODUCTION

Our project focuses on analyzing and tracking student performance in placement drives. The system stores student records, including personal information, educational qualifications, professional skills, and academic performance, among other details. This system serves as a central repository for student information. However, the major challenge is searching and updating data. The Training and Placement department arranges profiles of students based on various streams and notifies them based on the company's requirements. This "Placement Management System" is similar to other placement management websites that provide information on placement providers and keep track of all student information to keep it up to date. This system serves as a platform where students can view and assess their opportunities. To implement this application, To facilitate the aptitude and future rounds, the coordinator is responsible for gathering data on eligible and qualified students. Although the current system is computerized, it fails to meet the needs of the Training and Placement cell. To address this, we propose a new system that employs MySQL and JDBC for efficient database management. The proposed system will sort student data based on eligibility criteria demanded by respective companies, ensuring that only the most suitable candidates are shortlisted.[3] Placement Management System helps the training placement department to overcome the difficulties in keeping record of hundreds and thousands of students and searching the eligible student for requirement based on various eligibility criteria of different companies. The student will enter their details which will be approved by administrator. Once approved the student will get notify on every update from TPO[2]

II. METHODOLOGY**A. Student Module**

Once a student logs in, they can create and edit their profile. They can input personal and academic information and upload their resume. Students receive notifications about forthcoming companies and can apply if they are eligible. They can also view and download aptitude tests of visited companies.

B. Admin Module

The university principal is the administrator of the system. They can view student details from all departments and upload required material for students. The admin can communicate with students, HODs, and departmental coordinators through a communication wall. They can provide notifications about events conducted by the T&P cell and upcoming companies

C. HOD Module

HOD Module Each department has a Head of the Department (HOD). The HOD has access to the student profiles in their respective departments and can view a copy of the student's resume. The HOD can change communicate with other users through the communication wall. Notifications will be forwarded to the HOD by the admin.

III. MODELING AND ANALYSIS

Use case modeling: Use case modeling involves identifying and modeling the interactions between the users and the system. This helps in identifying the requirements and functionalities of the system. Data modeling: Data modeling involves designing the database schema and defining the relationships between tables. This helps in organizing the data and ensuring data consistency. Activity diagrams: Activity diagrams are used to model the flow of activities within the system. This helps in identifying potential bottlenecks and optimizing the system flow. Sequence diagrams: Sequence diagrams are used to model the interactions between different components of the system. This helps in identifying potential integration issues and ensuring that the system functions as intended. Performance modeling: Performance modeling involves simulating the behavior of the system under different conditions to identify potential performance issues. This helps in optimizing the system for high performance. Security analysis: Security analysis involves identifying potential security threats and vulnerabilities in the system and implementing appropriate security measures to mitigate these risks. These modeling and analysis techniques can help in developing a web app for college campus placement system that meets the requirements of the stakeholders and provides an optimal user experience. The particular modeling and analysis techniques used will depend on the project requirements and the expertise of the development team.

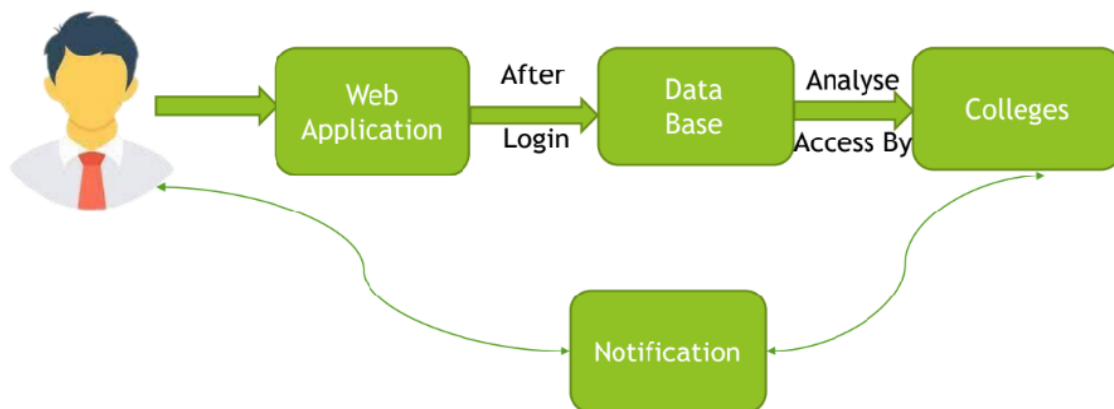


Figure 1: System Module

IV. RESULTS AND DISCUSSION

After developing a web app for college campus placement system, the next step is to evaluate its performance and effectiveness. This is common to include a results & discussion section in a research paper or a report. Here are some potential areas of focus for the results and discussion section: System performance: Evaluate the system's performance in terms of speed, scalability, and reliability. Compare the system's performance with industry standards and user expectations. User feedback: Gather feedback from users, including students, employers, and college administrators, to evaluate their satisfaction with the system. Analyze the feedback to identify potential areas for improvement and determine the system's overall usability. System usage: Analyze the usage data of the system to determine the frequency and duration of user sessions, the most popular features, and the user demographics. This can help in identifying potential areas for improvement and

determining the system's effectiveness in meeting the needs of the stakeholders. Placement rates: Analyze the placement rates of the students who use the system to determine its effectiveness in helping students find employment. Compare the placement rates with industry standards and other college campus placement systems. System limitations: Identify any limitations or challenges that the system faced during development and deployment. Analyze these limitations to determine potential future improvements or modifications to the system. The results and discussion section should provide a comprehensive evaluation of the web app for college campus placement system, highlighting its strengths and weaknesses and providing recommendations for improvement. System should also consider the broader implications of the system on the institute campus recruitment process and the job market in general.

V. CONCLUSION

Managing student information in college placement can be a challenging task for placement managers. Developing a web-based solution can effectively handle these challenges. The system provides accurate and accessible data, which improves the reliability of the system and software. The admin can track which companies' students have applied to and been accepted into, benefitting many students in the future. The proposed approach will correct the shortcomings of the current system and simplify and speed up the management process, reducing paperwork. The system offers reliability, security, time-saving, and easy control, making tasks more convenient for the admin, faculty, and students. The proposed system will also help optimize the work time of the admin and faculty, leading to greater work perfection.

ACKNOWLEDGEMENTS

We would like to thank our guide Prof. Sandeep Ganorkar and head of the department Prof. Sunanda Khandait mam for the encouragement and support that they have extended. We would also like to thank the anonymous reviewers who provided helpful feedback on our project script.

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