

Campus Selection System(Web Application Using PHP)

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ABSTRACT

The Campus Selection System is a web-based platform designed campus recruitment process for educational institutions and companies. It provides a centralized interface for students, recruiters, and administrators to manage job postings, applications, and selection procedures efficiently. Traditional recruitment processes involve manual resume screening, and takes more time and communication gaps. This enhances transparency, reduces paperwork, and improves communication between students and employers. Implemented using PHP, MySQL, and web technologies, it ensures seamless data management, user authentication, and automated shortlisting processes. The system features job posting, student registration, resume submission, automated shortlisting, interview scheduling, and result declaration. The objective is to enhance the efficiency of the recruitment process. Improving placement success rates for students and companies.

Keywords: PHP (Hyper Text Preprocessor), MySQL.

1. INTRODUCTION

Campus placements play a crucial role for students and shaping them by connecting them with potential employers. The traditional placement process is time-consuming, involving multiple stakeholders, large volumes of paperwork, and delays in communication. A web-based **Campus Selection System** is introduced to address these challenges by digitizing and automating the recruitment process. The system provides a user-friendly platform. Students can register, upload resumes, and apply for job opportunities. Recruiters can post job openings, review applications, and schedule interviews. Placement officers can monitor and manage the entire process, ensuring a smooth and efficient selection cycle. It is a smooth process for handling and managing for students and recruiters[1-15].

The system is developed using **PHP** as the backend language, **MySQL** for database management, and **HTML, CSS, and JavaScript** for the frontend interface. It supports features such as secure login, role-based access, automated shortlisting, and interview scheduling. The system aims to improve accessibility, reduce administrative workload, and enhance hiring outcomes. With advancements in technology, integrating AI-based resume filtering and predictive analytics can further optimize the recruitment process[16-19].

2. LITERATURE SURVEY

[2025] Sharma et al., Journal: International Journal of Computer Applications

- Objective: To develop an AI-driven recruitment system for universities.
- Methodology: Implemented machine learning for automated candidate shortlisting.
- Results: Increased placement efficiency by 30%, reducing manual workload.
- Limitations: Limited to universities with high computational resources.

[2024] Patel & Singh, Journal: Journal of Web Technologies

- Objective: To integrate a cloud-based campus selection system.
- Methodology: Used PHP and MySQL for web-based recruitment solutions.
- Results: Improved accessibility and real-time updates for students and recruiters.
- Limitations: Security concerns related to cloud storage.

[2023] Reddy et al., Journal: IEEE Transactions on Education

- Objective: To develop a blockchain-based secured recruitment system.
- Methodology: Used smart contracts for authentication and job validation.
- Results: Enhanced data security and transparency.
- Limitations: High computational cost and complex implementation.

[2022] Kumar & Mehta., Journal: International Journal of Advanced Computing

- Objective: To analyze the impact of AI-based Resume Filtering.
- Methodology: Built a NLP-based resume parser using Python and PHP.
- Results: Reduced recruiter effort by 40% and improved selection accuracy.
- Limitations: Challenges in parsing complex resume formats.

[2021]Gupta et al.,Journal: Journal of Career Development Technologies

- Objective: To develop an automated student ranking system for recruitment.
- Methodology: Used GPA, skill assessment, and AI-based ranking algorithms.
- Results: Improved recruiter decision-making by 20%.
- Limitations: Bias in algorithm-based ranking.

3. EXISTING SYSTEM

The current placement process is mostly manual, requiring students to submit physical resumes, companies to sort through numerous applications, and placement officers to coordinate interviews. This results in delays, data mismanagement, and inefficiencies. Additionally, students often struggle with real-time updates regarding job openings and interview schedules.

4. PROBLEM STATEMENT

The manual campus selection process is time-consuming and error-prone, leading to inefficiencies in job postings, student shortlisting, and interview scheduling. There is a need for an automated system that can streamline recruitment, improve communication, and provide transparency for all stakeholders involved.

5. PROPOSED SYSTEM

The **Campus Selection System** aims to automate the placement process by allowing students to register online, upload resumes, and apply for job openings. Companies can post vacancies, shortlist candidates, and schedule interviews. Placement officers can monitor the entire process through an admin panel. The system is developed using **PHP** and **MySQL**, ensuring scalability, security, and ease of use.

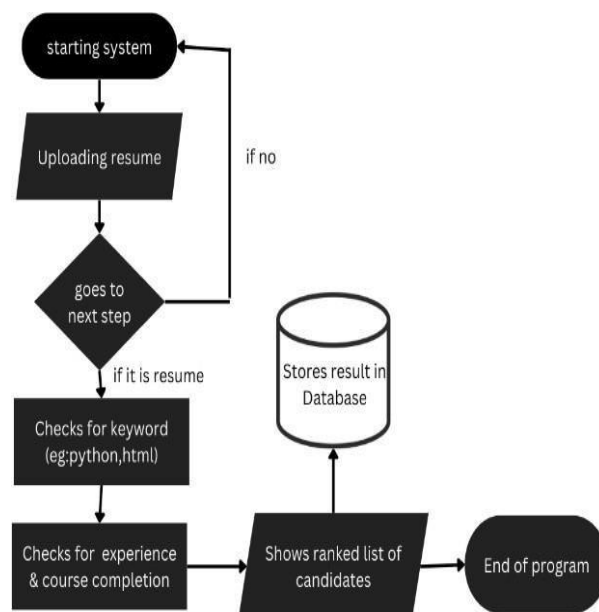


Fig5.1Campus hiring process

Key Features:

- Student Registration & Resume Upload
- Company Job Posting & Candidate Shortlisting
- Automated Interview Scheduling
- Real-time Notifications & Updates
- Admin Dashboard for Placement Management

6. METHODOLOGY

6.1System Design:

- Frontend: HTML, CSS, JavaScript
- Backend: PHP with MySQL Database

6.2Module Development:

- Student Registration & Login
- Job Application & Resume Submission
- Company Job Posting & Shortlisting
- Interview Scheduling & Notifications

6.3Database Design:

- Tables for students, recruiters, jobs, and applications
- Secure authentication system

6.4 Implementation & Testing:

- Unit testing for individual modules
- Integration testing for overall system performance

6.5 Deployment & Maintenance:

- Hosting on a server for real-time access

7. REQUIREMENTS

7.1 SOFTWARE REQUIREMENTS

7.1.1 Front End:

- a. HTML
- b. CSS
- c. Javascript

HTML: The HyperText Markup Language is the skeleton of any website that is to be created. It is used to develop a site so that later designers can use it to develop a better layout of the website. It can also be used to separate different tags such as graphical contents, hyperlinks, and words so that it does not cause an entanglement later and can be separated easily.

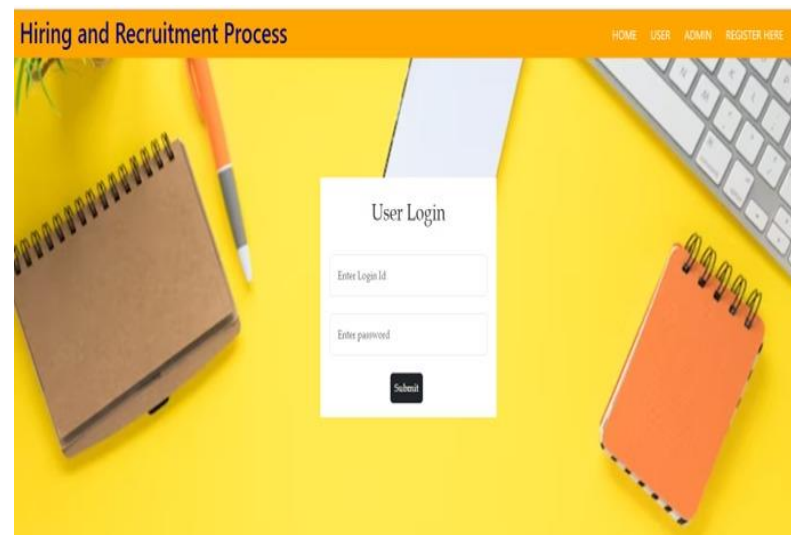
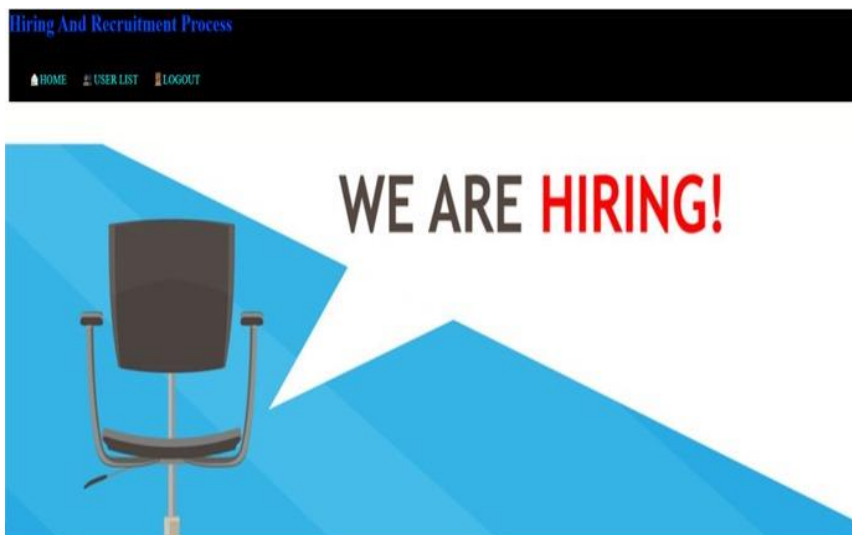
CSS: Cascading Style Sheets often referred to as CSS is a formatting language that is used to standardize and improve the quality of a website. While HTML lays the skeleton of the website CSS can use those attributes and improve the layout of the website.

JavaScript: Javascript is a client-side rendering standalone programming language that can be used in the backend as well as the front end. The main purpose of JavaScript in the front end is to provide more functionalities and make the website much more dynamic which cannot be obtained with HTML or CSS alone whereas in the backend it is used to write API which is used to connect the backend with the front end.

7.2 Hardware Requirements

- Processor: Intel i5 or higher
- RAM: 8GB or more
- Storage: 256GB SSD or more
- Internet Connectivity

8. Result



8. Conclusion:

The Campus Selection System provides a user-friendly, automated, and efficient solution for campus recruitment. By eliminating manual processes, the system enhances transparency, accessibility, and accuracy. Students can easily apply for jobs, recruiters can shortlist candidates efficiently, and placement officers can manage recruitment seamlessly. Implementing this system in educational institutions will significantly improve the placement process and overall recruitment experience.

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