International Journal of Innovative Research in Engineering
Volume 4, Issue 2 (March-April 2023), PP: 408-413.
www.theijire.com ***ISSN No: 2582-8746***

Placement Management System

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How to cite this paper:
S Kathirvel.V[1], Ramachandran.M[2], Saran.K[3], DR.R.P.S.Manikandan[4], "Placement Management System", IJIRE-V4I02-408-413.

https://www.doi.org/10.59256/ijire.2023040210

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Abstract: *The Placement Management System (PMS) is a piece of software created to automate and streamline the management of student placements at educational establishments. The system's main goals are to increase productivity and lessen the load of paperwork involved in overseeing student placements. For managing student data, employer data, and placement possibilities, PMS offers an intuitive user interface. The system automates processes like interview scheduling, job offer management, and monitoring student progress. Administrators and stakeholders can access reporting features in PMS to learn more about placement patterns and performance. Institutions may modify the software to their individual needs thanks to the system's scalability and customization features. In general, PMS provides an extensive method for controlling.*

Key Word: *Automate and streamline the management of student placements, individual student details and placement details.*

I.INTRODUCTION

It is easier to manage student job placements with the help of the Placement Management System, a complete software solution. This system's main objective is to offer a productive platform for controlling the entire placement process, from registering qualified students to arranging interviews and choosing applicants. Both students and recruiters will benefit from the system's simplified placement procedure. Students can quickly apply for jobs on a centralized platform through which they can also monitor the status of their applications. In order to help recruiters find and choose the best applicants for the business they run, the system streamlines the entire hiring process. The Placement Management System is a crucial tool for educational institutions that are committed to offering their students outstanding opportunities for employment.

II.LITERATURE REVIEW

1. In order to assist in automating the college placement procedure, this paper suggests a placement management system. It has features like scheduling interviews and choosing candidates for them, as well as registering eligible pupils. A database is also a part ofthe system, and it contains all the pertinent data on both recruiters and pupils.
2. John O. Okpara and Michael E. Ugwueze's paper, "A Model for a Web-Based Job Placement System," was published. In this essay,a web-based system for matching job seekers with appropriate openings is proposed. The system has functions like a resume builder, an employment search engine, and an employer database. Algorithms are used by the system to match job seekers with suitable employment prospects.
3. In their paper "A Study on the Effectiveness of Placement Management Systems in Engineering Colleges," P. Ramakrishna and R. Venkatraman: In this essay, the efficacy of engineering college placement management methods is examined. The results of a survey the authors performed among engineering students revealed that placement management systems were successful in assisting students in finding employment. The authors also noted a number of difficulties in putting placement management methods into practise.
4. "An Integrated Online Job Placement System for Higher Education Institutions," by Siti Khadijah Binti Mohd Rosli and Mohd Nordin Bin Zakaria: The integrated online job placement system for higher education institutions is proposed in this study. A resume creator, an employer database, and a job search engine are some of the services offered by the system. The method proved successful in matching job searchers with suitable job openings, according to a poll of businesses conducted by the authors.

These studies demonstrate the value of placement management systems for assisting students in finding employment and streamlining the hiring process for businesses. They also point out a number of difficulties with system integration and data management while using placement management systems.

III.PROJECT FLOW

1. Requirement gathering and analysis.

In this step, the requirements for the placement management system are gathered and examined. This entails being aware of the system's aims and purposes, as well as its intended users and desirable characteristics.

2. Design and planning:

A system plan is developed in accordance with the requirements. This include defining a system architecture, a database schema, and a development process strategy.

3. Development:

This stage incorporates building the user experience, integrating the database, and coding the software for the system.

4. Testing:

The system is then tested to make sure it works properly and complies with the specifications. System testing, integration testing, and unit testing are all included in this.

5. Analytic and reporting:

The system is able to produce reports on the hiring process, including the quantity of job posts, the quantity of students who have signed up, and the percentage of placements that were successful.

6. Maintenance and support:

The system needs continuing maintenance and support after it is deployed to make sure it keeps working properly. This covers user support, updates, and problem fixes.

3.1. Advantage of Project Flow:

1. Structure:

A project flow offers an organized method for managing projects. It helps minimize the possibility of mistakes or omissions by ensuring that all relevant actions are completed in the right order.

2. Clear mile stones:

Project flow offers distinct milestones, making it simpler to monitor progress and gauge the project's success.

3. Collaboration:

Project flow encourages teamwork among participants, allowing them to recognize issues, come up with solutions, and exchange ideas.

4. Time management:

Project flow can aid in better time management by segmenting the project into smaller, more manageable activities with set due dates.

5. Risk management:

By identifying potential risks early on in the project and making plans to mitigate them, a project flow can assist manage risks.

3.2. Disadvantage of Project Flow:

1. Rigidity:

A project flow may be inflexible, which may not be appropriate for initiatives that need to be flexible and adaptable.

2. Time-consuming:

Setting up and maintaining a project flow can take some effort, particularly when there are numerous stake holders and a big project at hand.

3. Lack of originality:

A project flow may be excessively prescriptive and restrict innovation, making it impossible to investigate novel concepts and solutions.

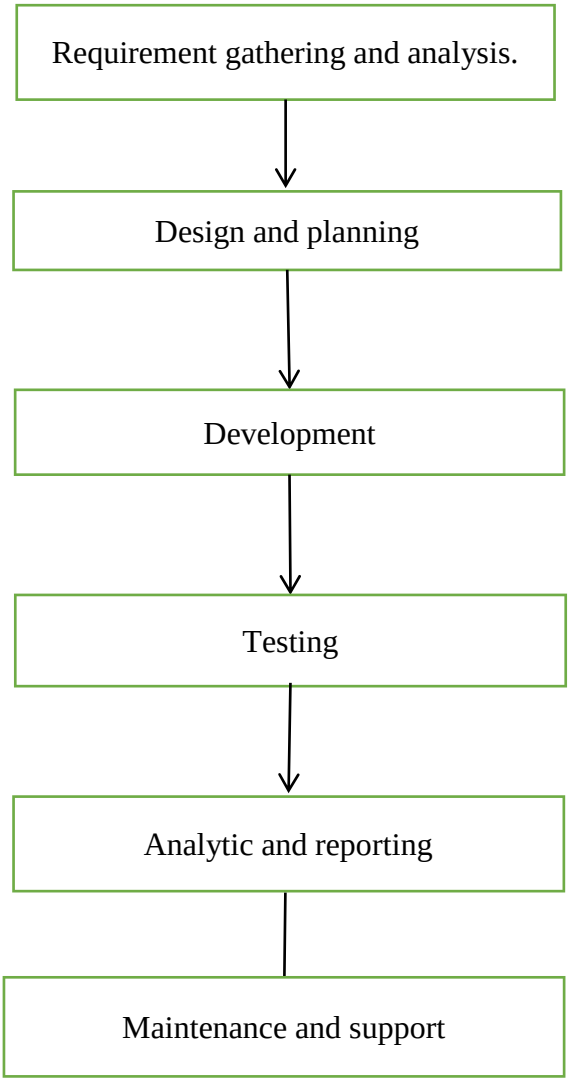
4. Overemphasis on process:

A project flow may put too much focus on processes and procedures, which could take attention away from the real task of completing the project.

5. Cost:

Establishing a project flow can be costly, particularly if the company must buy additional equipment or software to support it.

IV.FLOW CHART



V.WORKING

5.1. Login:

A project that needs user authentication to access particular features or data must include a login page.A login page's main function is to confirm the user's identity and give access to registered users.

Dash board:

Student dashboard:

1. Overall statistics:

Number of employment offers: This statistic shows the number of job offers that students have received via the placement management system. It can assist in determining how successfully the system places students in desired job positions.

Placement rate: This statistic shows what proportion of students have successfully landed a job thanks to the placement management system. It can be used to monitor the system's general effectiveness in putting students in desired employment opportunities.

Time to placement: This statistic shows the typical amount of time it takes a student to find employment via the placement management system. It can be used to monitor how well the system matches job openings .

2. Company list:

Name of the Company: Provide a list of all the businesses that have registered with the placement management system. Job Openings: Display how many positions each organization has listed in the system.

Application Status: Show the status of each application for each position at each organization (e.g., Pending, Shortlisted, Interview Scheduled, Offered, Rejected, etc.).

Job Application Progress: Display a progress bar or graph that displays the proportion of applications received from

each company.

3. Student list:

We can view how many number of students have been registered in theplacement application.

Admin dashboard:

verall statistics:

Number of students registered: This statistic shows how many students have registered to utilise the placement management system. It can assist in monitoring how the student body as a whole interacts with the system.

Number of registered companies: This statistic shows how many businesses have signed up to use the placement management system. It can be used to monitor how the employer population as a whole interacts with the system.

1. Company list:

We can view the companies which are coming to the on-campus drives and sets the companies which they want and which they have been shortlisted for the particular Dive.

2. Student list:

Each student should have a distinct identifying number to help them stand out from other students.

Student name:

The student's first and last names should appear in this field.

Email address:

The student's email address used to access the placement management system should be included in this section.

Status:

This field should state the student's current situation, such as whether they are still taking classes or have finished their studies.

Placement choices:

This section should indicate the student's preferences for the kind of work they are looking for, such as preferred locations or industries.

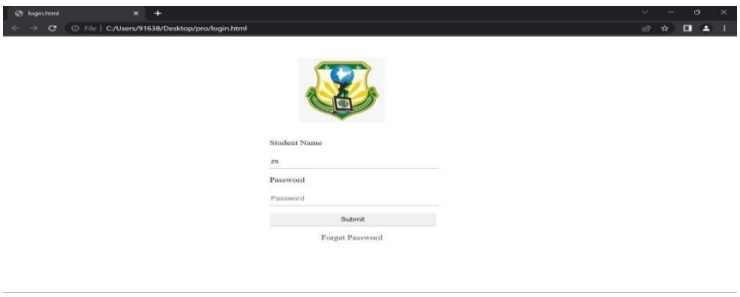
5.3 Logout:

A logout page is a must for every web site or project that requires user authentication. Giving users a secure mechanism to log out of an application and end a session is the purpose of a logout page.

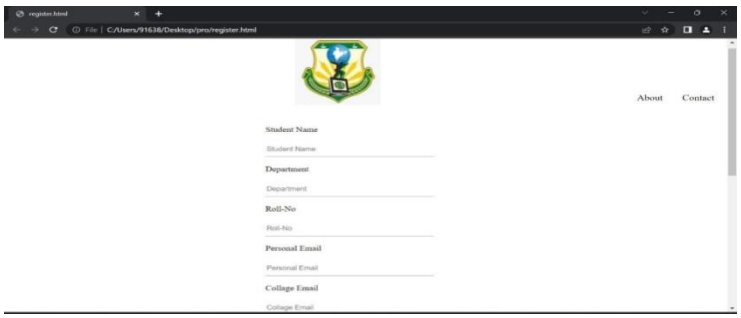
A "Logout" button to start the logout procedure.

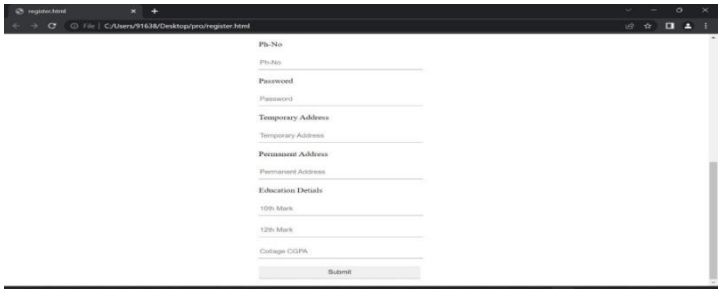
VI.RESULT

Login Page

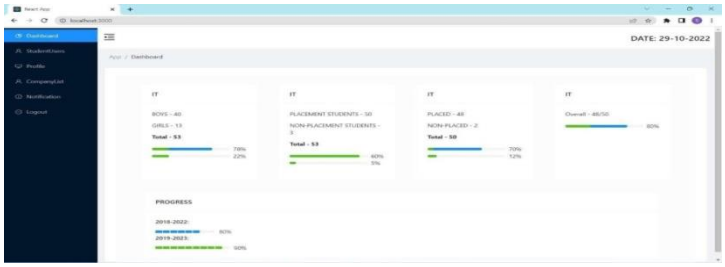


Register Page

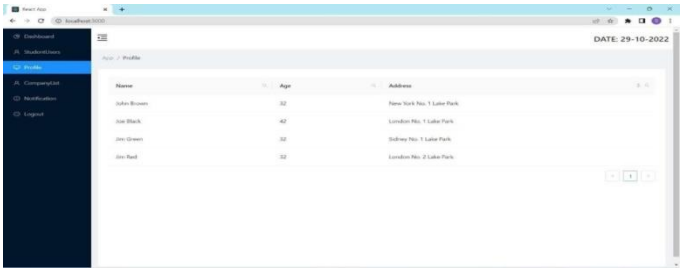




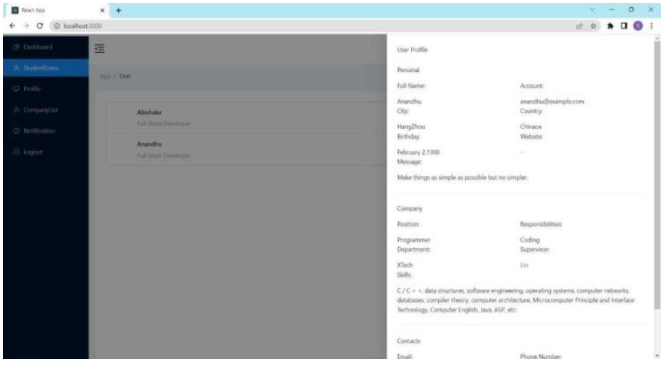
Dash Board



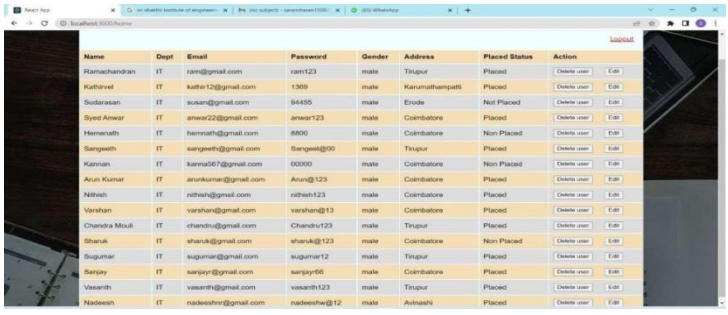
Profile



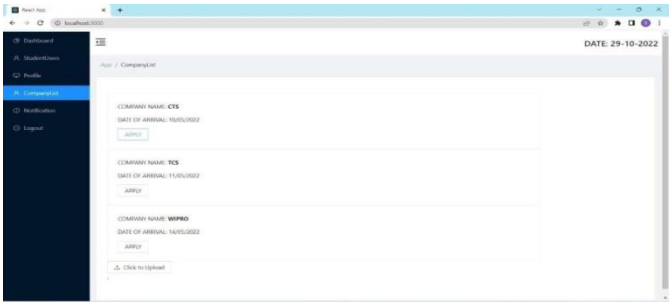
User Profile:



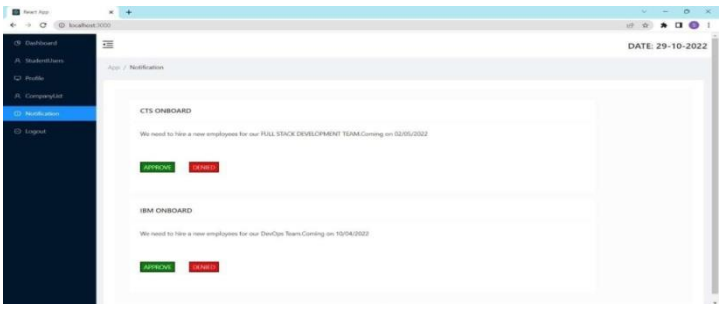
User List:



Company List:



Notifications:



VII.CONCLUSION

The project's relevance and contribution to the field should be highlighted in the conclusion, along with any project constraints and potential future directions. Also, it ought to offer suggestions for the system's future expansion and growth.

Ultimately, the conclusion need to make the reader feel strongly about the project's findings and show their importance.

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