PLACEMENT CELL MANAGEMENT SYSTEM USING HTML, CSS & PHP

V.Venkateshwarlu[1], Ch.Swathi[2], P. Vyshnavi[3], T.Archana[4], A. Raju[5],

Ramdas Vankdothu[6]

[2345]BTech Student, Department of CSE, Balaji Institute of Technology and Science, Laknepally, Warangal, India

[1,6] Assistant Professor, Department of CSE, Balaji Institute of Technology & Science, Laknepally, Warangal, India

Abstract

The Placement Cell Management System is a web-based platform designed to simplify and enhance the recruitment process for educational institutions. This system serves as a bridge between students seeking employment opportunities and potential recruiters, offering a centralized platform for managing placement-related activities. The system provides essential features such as student registration, resume management, job postings, company profiles, and interview scheduling. Students can create and manage their profiles, view job openings, and apply for opportunities they are eligible for. The system securely stores students academic and personal details, ensuring accurate data management. The admin has the ability to manage the database, post new job or internship opportunities, and monitor placement statistics to track the success of the ongoing placement drive. The system efficiently filters and displays job opportunities based on students' eligibility, ensuring relevant updates reach the right candidates.

1. Introduction

The Placement Cell is pivotal in connecting industries and academia by providing employment opportunities for students. This department makes sure that every student is ready for the job market and that they can interact with potential employers effectively. Ineffective administrative methods for organizing placements tend to rely on time intense documentation, data entry, and clerical work which are often repeated many times. All of the information becomes too much to handle including student files, company information, job offers, and placement calendars, which leads to mistakes, delays and breakdowns in communication. This in turn negatively impacts the success of placements and limits opportunities for students. This paper presents a solution to those challenges with a PCMS (Placement-Cell Management Systems), which is a fully automated system designed to aid and improve the efficiency of placement functions. The PCMS aims to improve data handling by

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establishing a central database, where information can be stored and retrieved easily, promptly, and reliably. With the automation of the scheduling and communication, the system lessens the manual workload and enhances the interaction of students, placement officers, and company recruiters. The overall effectiveness and efficiency of the placement cell is improved by this novel strategy which transforms the previous placement outcomes of students[1-25].

2. Literature Survey

Title: CABAL-Training and Placement Departmental Portal

Author: Payal Gothi, Jidnyasa Raut, Prof. Nileema Pathak, Komal Patil, Riddhi Kamat

Year: 2019

Limitation: This CABAL portal consists of 7 important features like Generation of report, forum, SMS notification, resume building, admin, company, student. In this various technology and tools are used like Microsoft Visual Studio, ASP.NET framework and one software application SQL Server Management Studio (SSMS). SSMS is used for handling, configuring, monitoring, configuring and administering every SQL infrastructure [1].

Title: Placement Management System for Campus Recruitment

Author: Aneena Felix, Ajeena Sunny, Angelin Saji

Year: 2020

Limitation: Although in this paper, placement management system is used as an application for Training and Placement Officer to manage the placement related activities and also the student can be able to update their profile but in the student dashboard there should be such facility that student can also see the specific companies based on their academic criteria. Laravel framework is used to expand this application along with Model-View-Template (MVT) pattern [2].

Title: A Review on Placement Management System

Author: Spoorthi M S, Kavana V, Koushik S N, Veena M

Year: 2021

Limitation: This system provides automation in all processes like registering, updating, searching. In this system students have access to virtual resources, commentary, and a platform that works as a user

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interface. This android app also has an admin login option and placement UI. Users are convenient to view this app in web as well as in android view [3].

Title: A Survey on Online Campus Job Recruitment System.

Author: Chethan BN1, Garvita Jhawar2, Chitraksh Srivastava3, Attuul Geriyan[4], Dr. Amutha S[5].

Year: 2022

Limitation: The Online Training and Placement System management system that is being proposed is designed to make it easier for users to add and retrieve information rapidly.The majority of work is done manually in the current system, requires time to update. [4].

Title: A Comprehensive Campus Recruitment and Placement System for Optimizing the Hiring Process

Author: Jayesh Singh, Rasika Salvi, Jayesh Surve, Akanksha Sawant

Year: 2023

Limitation: Campus Recruitment and Placement System's goal is to give students compatibility to make placement easier. This system has three login options: admin, teacher, and student. This is useful for college students, various employers who come to campus to recruit, and even the school's placement officer. Students can build their profiles and submit all of their information, including their grades, using the software system. [5].

3. Existing System

All of the system's processes are recorded manually. For all transactions to be completed in a friendly manner, computerization has to be done by the clients for the system to be more efficient and less laboring. The management and employees from all departments who perform the work manually often find the work more difficult and tiresome in the majority of cases. So, the best way is to computerize the current environment. In the previous system, a placement officer had to collect the students for the placement. Approval of those student details takes a lot of time. The Placement officer has to directly consult with students if certain details are required. In the event of a new company coming in for placements, the placement officer together with his workers have to look through the student information and get the suitable candidates for the specified company's placement. Finding eligible candidates consumes a lot of time. Certain candidates' details may be lost.

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The current system explains how the earlier working model operated and what its limitations were. Everything is done by hand in the existing system. Placement officers document student details. If any changes or edits are needed in a student's profile, they must be completed manually. This is time-consuming, repetitive, increases the risk of data breaches, needs a lot of personnel, and wastes massive amounts of paper and storage space. When there are more users, the system becomes more complex.

4. Problem Statement

Students often search various websites and blogs in hopes of finding job openings, but oftentimes they miss these opportunities. In todays technologically advanced world that is filled with distractions, students tend to get overwhelmed. Having a mentor in the form of a senior definitely helps guide students in learning web development.

In the current era, all colleges conduct campus placement. Numerous software and other business firms are carrying out campus selection in order to acquire deserving candidates. During the time of campus selections, students are required to submit their curriculum vitae to the designated officer so that they may participate in the campus interviews. This process is carried out in a traditional way, where students' resumes are physically filed as paper documents.

5. Proposed System

The drawbacks of the existing system have been obliterated by utilizing computers in the proposed system. The system has been made as an online application which is accessible within the organization and externally as well wherever internet connection is available with the provided login. This application can be taken up by the TPO of the college to facilitate in operating the student single windows for placements. Students signing in will be able to submit their details in CV format. Logged in users who are Company representatives of the hiring organizations may also retrieve any information that has been posted by the students.

The home page has a number of buttons such as login, various services, events happened, achievements and recruiter details etc. The system will allow the users of the system to be administered by the master account, and the users will log on with individually created accounts. A user after logging into his respective page will fill most of the information required. All entries need to be sanctioned by the administrator.

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6. Proposed Methodology

Registration

As far as the registration process of the Placement Cell Management System (PCMS), it is more systematic to ensure the proper registration of students, companies, and even the admins. First off, students will have to register themselves by entering their names, rolls, and course along with their contact details and other relevant information. They are also required to create a unique ID and Password which will allow them to log into the system securely. On the other side, Companies looking to hire students must rst enlist the organization's details which include the name of the company, industry, contact address, and job positions it has for offer. In addition, an administrator manages the entire registration process of students and companies, verifying and approving their proles before giving them access to the system. The admin can also update, change, or even remove info as needed. With this step, we ensure that there is accuracy of information as well as security, and this integrates the users seamlessly into the PCMS system which boosts the efficiency in all placement undertakings.

Login

Access for the students, companies, and administrators is simple and secure. Everyone has to log in through their registered email and password. The PCMS (Placement Cell Management System) has a unique login methodology for each of its users. Once the students are verified, their profiles are open from where they can view the available jobs, update their personal details, and check the status of their application. Companies also have access to their accounts to be able to manage job postings, as well as review student profiles. The administrator is the one who manages everything in the system, which gives them the most control. They are able to supervise how the system is working, manage the user accounts, and modify the placement details. For extra security, the system can encrypt passwords so they can only be accessed by authorized personnel. Overall, this system works great and ensures safety and security for everyone who is a part of PCMS.

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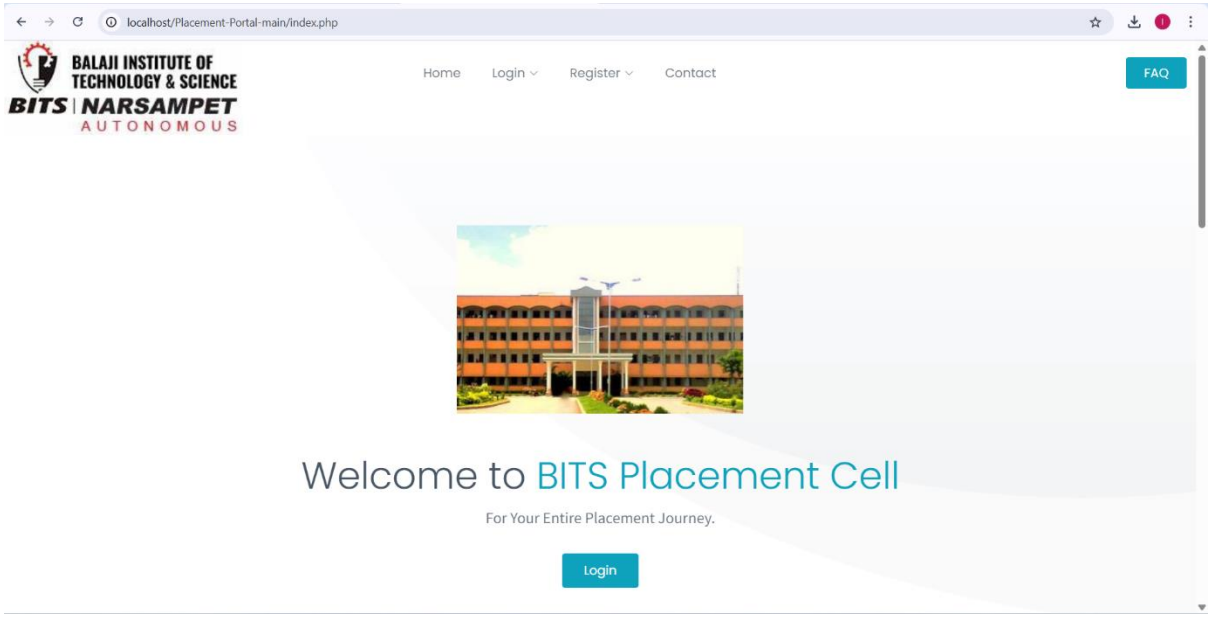
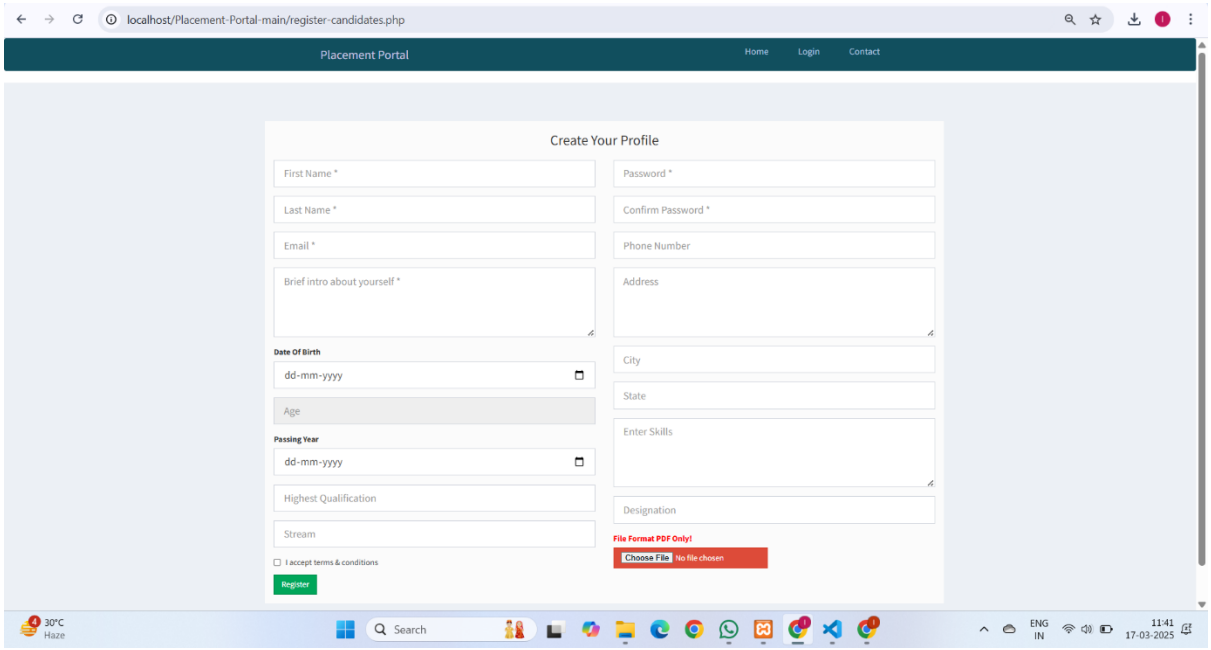
7. Implementation

Home Page



Registration Page



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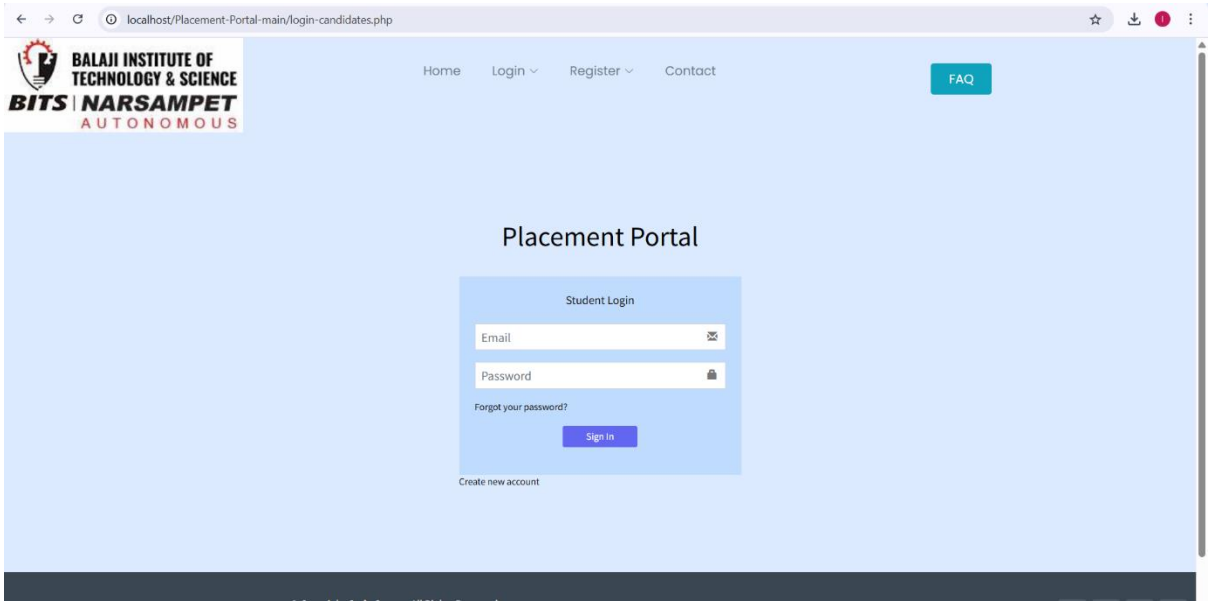
Login Page



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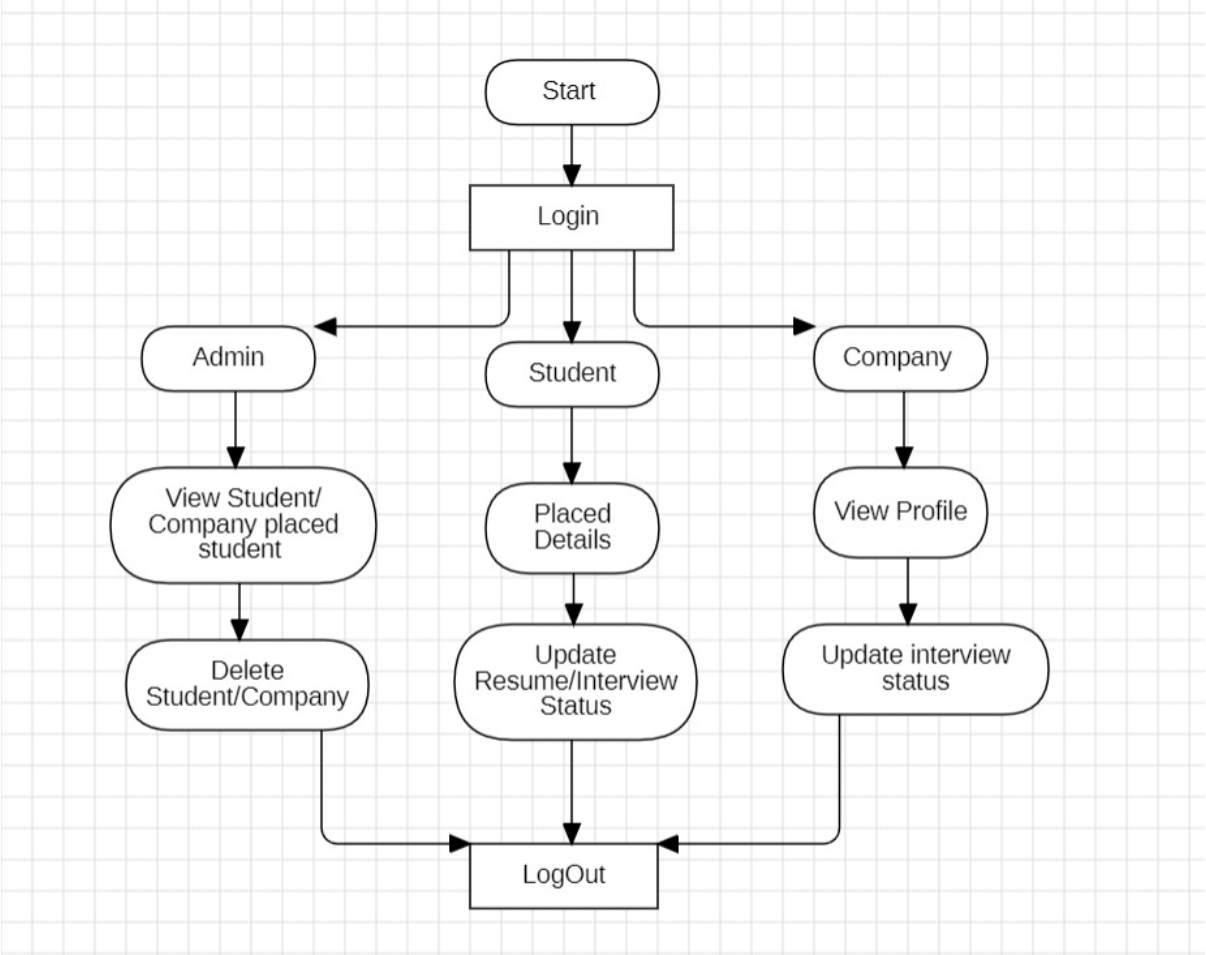
8. Flow Graph



9. Future Scope

With the intention of concentrating on bolstering its functionality and user experience, the scope of the Placement Cell Management System (PCMS) enhancement is of great magnitude. The inclusion of artificial intelligence (AI) and machine learning (ML) could allow for intelligent matching of candidates to positions based on skills, qualifications, and job descriptions, which would drastically improve placement outcomes. Including predictive analytics will aid in equipping placement officers with the ability to anticipate and assist students in forecasting the hiring trends. A resume builder, mock interview scheduler, and skill testing feature would also increase student preparedness and could be incorporated into the system. Greater accessibility would also be achieved by expanding support for mobile applications, allowing students, recruiters, and administrators to interact with the system more conveniently. Communication between all stakeholders will be facilitated to a great extent with the inclusion of automated reminders, real-time notifications, and chat support. All these

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advancements combined will aid in achieving the vision of PCMS as a one-stop solution for the automation of placement processes and enhancement of employability for the students.

10. Conclusion

The online technologies available today would tend to suggest the automation of placements through academic institutions is unnecessary. The streamlining and automation of processes that otherwise require significant amounts time and effort along with improved data management has made the PCMS an invaluable tool for placement activities. Enhanced communication and coordination through integrated software with students, placement officers, and companies leads to timely updates. When experiences with all stakeholders are considered, the automation of placement drives cuts down a lot of administrative work which is favorable . There are plans to improve the system further by integrating more advanced features, like other analytical components which allow better decision-making and foresight. There is also further scope for integration with other academic and administrative systems for a holistic approach. Users will continuously provide feedback for such changes making it easy and effective for the users to manage placements. As a final outcome, the placement management system is focused on redefining the set benchmark to placement management for higher educational institutions and students.

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I am Swathi Chitte from the Department of Computer Science and Engineering. Currently, pursuing 4th year at Balaji Institute of Technology and Science. My research is done based on "Placement cell management System".

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I am Vyshnavi Pegada from the Department of Computer Science and Engineering. Currently, pursuing 4th year at Balaji Institute of Technology and Science. My research is done based on “Placement cell management System”.

I am Archana Thota from the Department of Computer Science and Engineering. Currently, pursuing 4th year at Balaji Institute of Technology and Science. My research is done based on “Placement cell management System”.

I am Raju Adapa from the Department of Computer Science and Engineering. Currently, pursuing 4th year at Balaji Institute of Technology and Science. My research is done based on “Placement cell management System”.

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