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

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Abstract: ***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. The administrator can review each student's information and delete any invalid accounts. The system also includes a admin login so that different companies visiting the college can access a list of students. Students can examine a list of businesses that have posted job openings using the software system.
Keywords: Recruitments, College Placements, TPO, Job openings, Posted jobs, Admin, Teacher, Placement System, Student Profile, Admin Login, Teacher Login, Examination Module, Job Listings.

I. INTRODUCTION

Nowadays, we all use the internet for a variety of purposes, including booking, academic research, blogging, and applying for jobs. This system can handle student information related to placement. The system handles both student and company data and displays it to the right people in an efficient manner.
This system collects student records, authenticates and activates student profiles, sends automatic E-mail notifications to eligible students, and computes the number and percentage of placed and unplaced students. Placement Officers, businesses, college employees, and students are all assigned unique logins with time and role-based access. Check-in students should be able to upload their resume information.
The Placement Officer can access, view, and make a schedule of all placement-related activities. By giving a link, the company can provide their own application procedure. The registered students and their status are visible to college staff. Because automated systems are in high demand these days, educational infrastructures such as universities must convert their manual systems to computer systems.
One such solution that is critical is placement automation for campus recruitment. The goal of this project is to create a web application for the college's Placement Department.
This system can be used by the college's Placement Officer as an application to manage student placement information and Students checking in should be able to upload their resume information.
As a result, all the information will store the students' details, including their background information, educational qualifications, personal information, and all of the information relevant to their resume. This technology allows the company to access student information for placement purposes. Computer-based information systems are intended to augment current systems. The company might alert students about the job openings online by sending an e-mail.

II. LITERATURE SURVEY

In recent years, it has become more and more common to include technology into the hiring and placement procedures. An important innovation in the education sector has been the creation of online placement and recruitment systems. The following review of the literature will go over the current studies on using online hiring and placement tools in higher education institutions.
Pankaj Talreja, Jyoti Bagate, Sakshee Rode, Mansi Zawar, Bhavesh Ramchandani, April 2022 Journal of Emerging Technologies and Innovative Research (JETIR) did a study with the goal of creating and implementing an online placement system for an engineering institution.

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According to the study, the time and effort needed by both students and companies to engage in the placement process were decreased by the online placement method. Additionally, the system made it simple for students to search employment listings and submit applications from any place.

Samiksha Dalal, Amruta Bondre (2022) looked at the efficiency of online placement systems in higher education institutions in a different study. According to the report, the online placement method boosted the number of students hired by businesses while lowering the time and effort needed for the hiring procedure. Additionally, the system made the placement process accurate and transparent.

Arati Rizal, Monika Nirola , Shubham Kumar, Mr. Nirnay Pradhan (2020) did a study with the goal of creating and implementing an online placement system for a management college. The study discovered that by enabling students to create and manage their profiles, read job advertisements, and apply for employment online, the online placement system offered convenience to students. The system also made it simple for companies to access a pool of possible employees and cut down on the time and work needed for the hiring process.

Overall, these studies indicate that the use of modern technologies like as blockchain, data analytics, and machine learning can strengthen campus recruitment and placement systems. These technologies have the potential to improve the transparency, speed, and effectiveness of the campus recruitment process while also offering students with personalised career guidance and support.

III. PROPOSED SYSTEM

The proposed Campus Recruitment and Placement System is a web-based tool that allows students to build profiles and submit their information for future employers to review. There are three login choices in the system: admin, teacher, and student. Each login option comes with its own set of features and functionalities.

Students can create profiles by giving personal information, educational history, work experience, and any other pertinent information that potential employers may find valuable. Students can edit their profiles at any moment to keep their information up to date.

The admin login gives administrators access to the system's backend, where they can modify student profiles, job postings, and other system settings.

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The admin login gives administrators access to the system's backend, where they can modify student profiles, job postings, and other system settings.

The system also has an Examination Cell module, which allows students to take exams via the system's webpage. This module can be used to administer aptitude tests, technical assessments, and other types of exams to students in order to help them prepare for the labour market.

Overall, the proposed Campus Recruitment and Placement System provides a comprehensive platform for managing the recruitment and placement process for students, companies, and administrators. This approach can streamline the recruitment process by using the power of technology, making it easier for both students and companies to identify the appropriate fit.

In the diagram, we have a web server that acts as the central hub for the Campus Recruitment and Placement System. Three types of users can access the system: students, teachers, administrators.

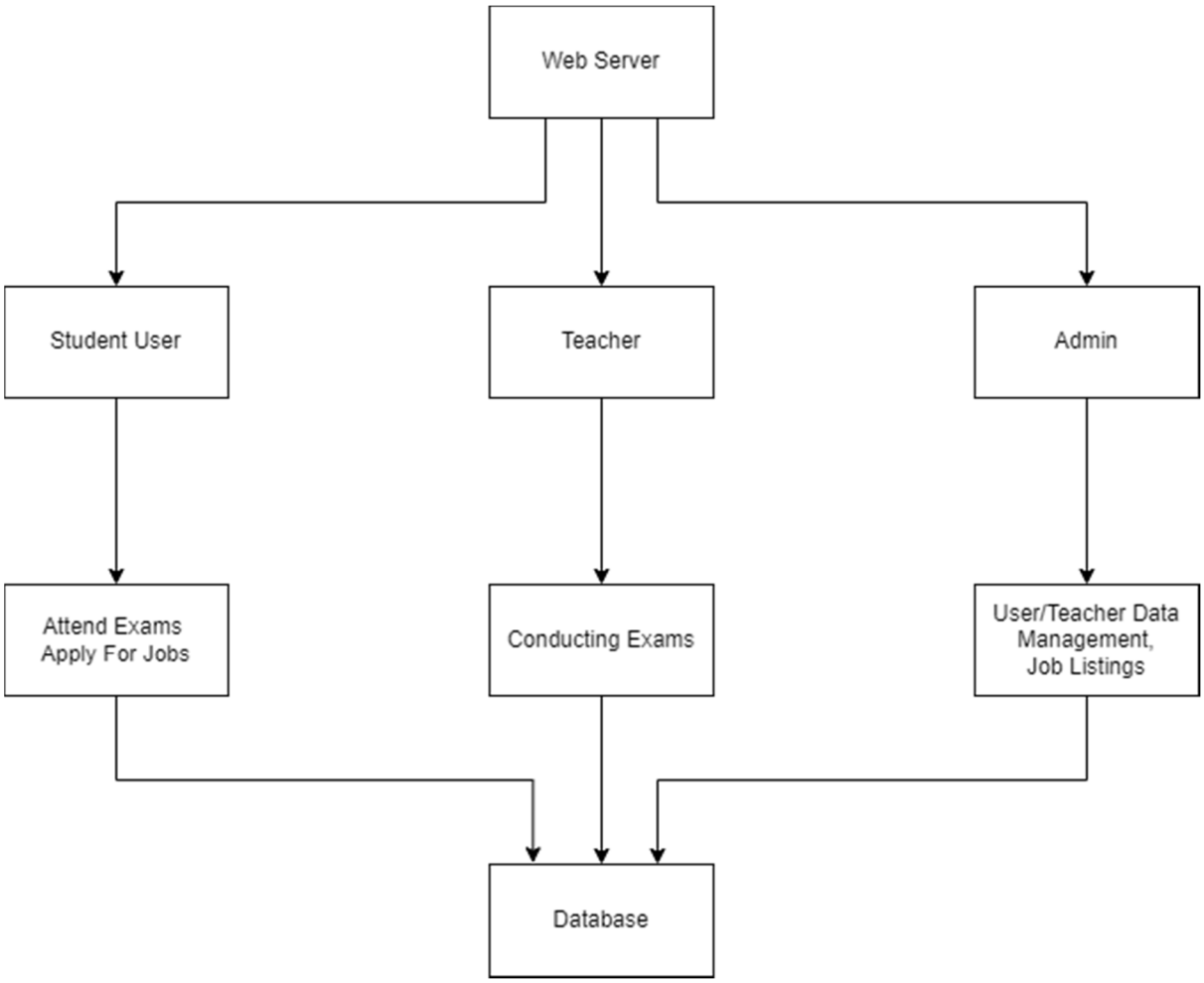
Each user has access to different functionalities within the system, such as managing their personal data, attempting exams, managing job listings, and reviewing student profiles. These functionalities are provided through modules such as User Data Management, Examination Cell, and Job Listings Management.

All user data is stored in a database that can be accessed by the web server as needed. This ensures that the system can be scalable, secure, and reliable.

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Block Diagram for the Proposed Campus Recruitment and Placement System:-



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IV. MODULES

1) *Login Module:* This module allows three different types of login options for admin, teacher, and student. Each user type has specific privileges to access the system.
2) *Student Profile Module:* This module enables students to create their profile and submit all the required information, including their academic performance, achievements, and skillset. Students can also edit or update their profiles.
3) *Admin Module:* The Admin module is responsible for managing the entire system. The administrator can view and manage student profiles, approve or reject applications, and update the system as needed.
4) *Job Listing Module:* This module allows companies visiting the college to view a list of students who have submitted their profiles to the system. Companies can also post job openings, and students can apply for the available positions.
5) *Exam Module:* The Exam module allows students to attempt exams through the system, and their scores are automatically recorded in their profiles.

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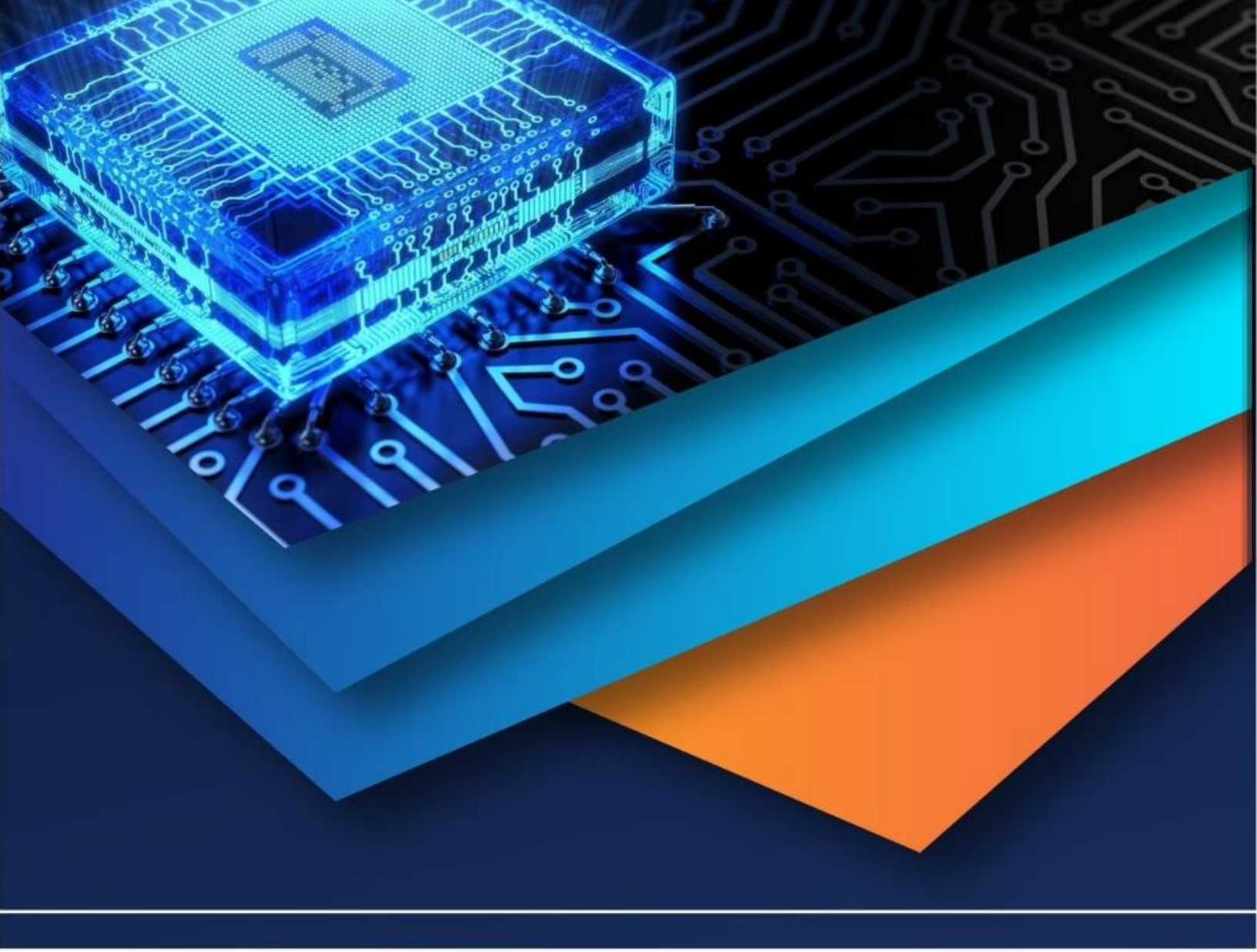
V. CONCLUSION

The Campus Recruitment and Placement System is a valuable resource for college students looking for work. It streamlines the job-search process and provides a platform for students to create profiles, submit resumes, and search for employment openings. The three-tier architecture of the system provides a scalable and robust solution that can support a high number of users. The system's features and functionalities, such as the examination cell module and resume builder module, combine to make it a comprehensive job placement solution. Overall, the system is a wonderful asset to any college looking to boost job placement chances for its students.

REFERENCES

[1] Samiksha Dalal, Amruta Bondre, "Campus Recruitment System", International Research Journal of Engineering and Technology (IRJET), March 2020.
[2] Rajnish Tripathi, Raghvendra Singh, Ms. Jaweria Usmani, "Campus Recruitment and Placement System", International Journal of Advance Research in Science and Engineering (IJARSE), April 2018.
[3] Arati Rizal, Monika Nirola , Shubham Kumar, Mr. Nirnay Pradhan, "Campus Recruitment System", International Research Journal of Modernization in Engineering Technology and Science (IRJETS), June 2020.
[4] Lu Shumin, Rao Yuan, "Campus Recruitment management platform based on dynamic electronic commerce", Institute of Electrical and Electronics engineers (IEEE).
[5] Aishwarya Baile, Pratik Sawarkar, Pratik Wankhede, Rajat Manwatkar, Raman Barsagade, "A Review on Training and Placement", May-June 2021.
[6] Deepanshu Mittal, Bharat Singh Thakur, Sachin Bansal, "Campus Recruitment System", Internal Journal of Creative Research Thoughts (IJCRT), May 2022.
[7] Mrunali Mehar, Simran Dhoke, Aparna Chahande, Mrunal Lambat, Prof. Sagar Tete, "Campus Recruitment Management (Online) System", IJARIIE, 2021.

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