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Student-Centric Training and Placement Application

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Abstract: ***In the fast-paced and competitive landscape of today's job market the significance of comprehensive training and placement programs for students cannot be overstated. As a bridge between academic preparation and professional success.this training and placement platform plays and pivotal role in equipping students with the the necessary skills, knowledge, and confidence to thrive in their chosen career path with particular emphasis on training components and their impact on students' development and employability.***
Nowadays a recruiters seek candidates possessing not only academic qualifications but also practical skills and industry-specific competencies.
This training and placement application encompasses a wide array of activities including mock interviews, seminars, workshops, group discussions, internship, and experiential learning, scheduled live tests, interactive sessions, aptitude, presentations, and feedback can be arranged through his training and placement application program students are readiness for the workplace. Beyond the technical proficiency training program also emphasizes the cultivation of essential soft skills such as communication, teamwork, problem-solving, and adaptability.
Keywords: Web application, javascript, sql, sublimetext.

I. INTRODUCTION

The training and placement application program is an online platform that connects students, TPOs, and firms visiting the college campus or recruiting. this application is basically the informative model that maintains the data of all students efficiently so the tpo of the college can easily access it and when the company visits the college for recruitment then the tpo can easily shortlist the students using the available information of the students.
The training and placement application encompasses a wide array of activities including mock interviews, seminars, workshops, group discussions, internships and experiential learning, scheduled live tests, interactive sessions, aptitude, presentations, and feedback from TPOs.In this application, the TPO has control of the application.
Training and placement application prepare students to be ready for the interview process at the end followed by the best practices by the students under the guidance of the TPOs of the college. This application aims to create a more efficient, engaging, and student-centric training and placement system that empowers students to succeed in their career aspirants while supporting the efforts of the TPOs in fostering their professional development.

II. LITERATURE SURVEY

1) *"Online Training and Placement System"Gunjan Jewani1 Swati Sahare2, Trupti Kamble2, Ritu Kathalkar2, Ashwini Unhale2 Assistant Professor, ComputerScience and Engineering, Jhulelal Institute Of Technology, Nagpur, India.*

This technique offers students a very effective method of placement. With this method, the registration process for students is comparatively simple, and the placement officer may easily get student information. The system has quick access to the students who qualify. The system states that it will inform the kids. It gives us data on the number of students who are placed, which is displayed in the various graphs.
The technology aids the college in keeping track of both current and former students. The system provides the college with documentation for alumni gatherings.
The timetables of all the placement-related activities can be created by the placement officer. Students who meet the requirements are automatically notified by the company. The TnP personnel and students. Since it is accessible around the clock, it lessens the communication gap between students and TnP coordinators and TnPs. [1]

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2) *"TnP Vision: Automation and Analysis of Campus Placements in Colleges",2021 5th International Conference on Computer, Communication, and Signal Processing (ICCCSP - 2021).*

This paper represents an Enterprise Resource Planning (ERP) system for the Training and Placement Cell in educational institute campuses. The proposed system called TnP Vision aims to automate the entire placement process. It is an interactive software platform that focuses on student data management and analysis to digitize practices, providing visibility into students' success, and providing a forum for employers to streamline the hiring process. It provides insights for all participants on placement activities. Apart from the existing systems, tracking student's progress and predicting areas of improvement is the core focus. Built on top of the Django framework, it uses Python-backed data analytics modules to peruse the candidate's information. Web Scraping is inherited to scrape placement posts from Linkedin.[2]

3) *Design and Implementation of Student Information Management System based on Web,2022 International Conference on Computers, Information Processing and Advanced Education (CIPAE) — 978-1-6654-6812-1/22/31.00 ©2022 IEEE — DOI: 10.1109/CIPAE55637.2022.00020.*

In recent years, China's higher education has ushered in a new situation of vigorous development. The enrollment scale of colleges and universities has been expanding, and the teaching management burden of colleges and universities has become heavier and heavier.

Adopting traditional student information management modes, such as direct manual management or management systems with low openness, will inevitably waste a lot of human, material, and financial resources. How to improve the level of student information management and establish a student information management system suitable for their colleges has become an important problem that needs to be solved urgently in the process of school information construction. Considering the practicality and economy, building a network management platform based on Web technology is an important task and development direction of teaching management in most colleges and universities.[3]

4) *"DESIGNING OF WEB PORTAL FOR TRAINING AND PLACEMENT CELL" Shivangi Gupta1, Jyoti Hingorani2, Swati Singh3, Neelam Phadnis4, International Research Journal of Engineering and Technology (IRJET) Volume: 08 Issue: 05 May 2021.*

Training and placement cells have a very important role in College. Designing of web portal for training and placement cells is aimed at providing help to automate the manual activity of the placement cell. This Application can store all the information of the student like their personal information, all the information related to their academics, skills, resume, etc. Students will be able to log in, view, and apply for the drives in which they're interested. The TP officer of the college will have access to all the information related to students which is required for them. Only Respective Students can edit their details. The TP officer can also filter the number of students eligible for a specific Company based on the company criteria and can also notify them related to placement activities.[4]

5) *"Training and Placement Cell Application " J.Swathi1, K.Priya Tharsini2, S.Suganya Janani3, Asso. Prof Dr.G.Vinoth Chakkaravarthy4 International Research Journal of Engineering and Technology (IRJET) Volume: 05 Issue: 03— Mar-2018.*

Training and Placement Cell System is a total management and informative system, that provides up-to-date information about all the students in a particular college.

Training and Placement Cell System overcome the difficulty in keeping records of hundreds and thousands of students and searching for student eligibility based on recruitment criteria. It eases the best coordination between the Placement Cell Officer and Students. Maintaining Student records, Updating Curriculum details, and retrieving eligibility student lists based on the company's criteria.[5]

III.EXISTING SYSTEM

In the previously existing system, the application has a basic informative model view which helps to reduce the communication gap between the students and the Training and placement officers can collect the student's information efficiently and can make it easily available if any company is visiting the campus interview. TPOs of the college can easily shortlist the students based on the information entered by the students.

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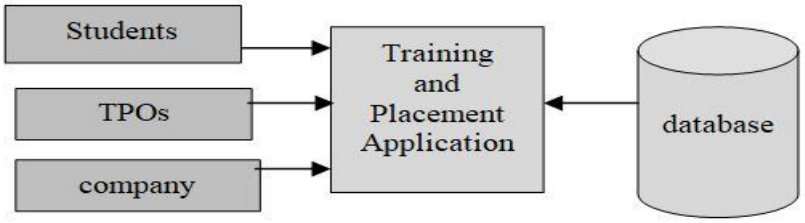


Fig. 1. Existing System

IV. PROPOSED SYSTEM

The proposed system consists of four modules. Admin Module, Student Module, Guest Module, Company Module.

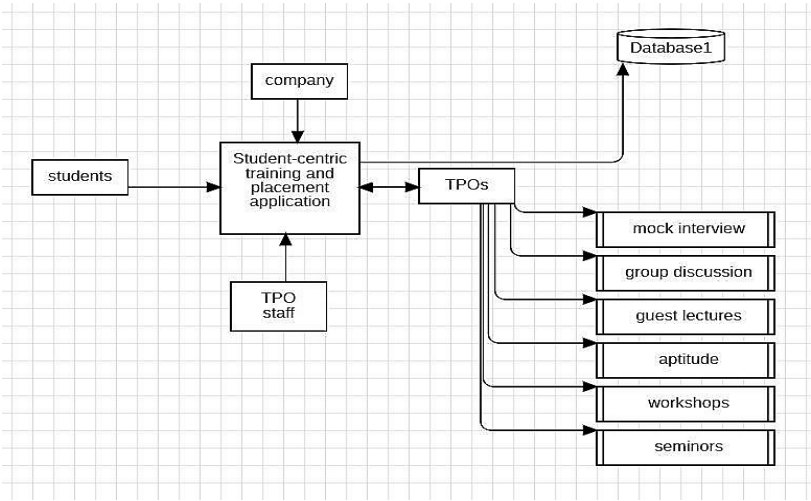


Fig. 2. Architecture of training and placement application

A. Admin Module

In Fig.2. the admin module deals with the training and placement officers(TPOs) of the college. Training and placement officers are logged in as admin of the system. They have complete control over the training and placement application.TPOs can retrieve the all information of the students and also TPOs have the authority to add or remove the TPOs staff, students, guests, and company in the application. TPOs can conduct the best practices in the interview point of view as follows:

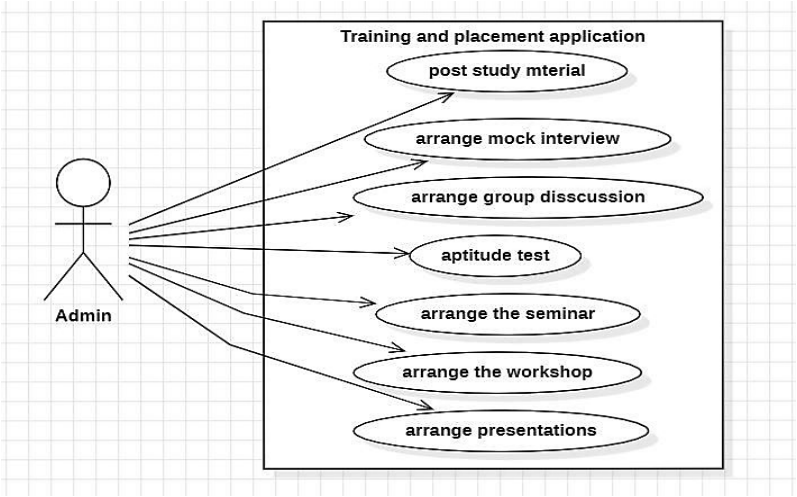


Fig. 3. Admin Module

TPOs can-

1) Arrange the mock Interview
2) Arrange the group discussion
3) schedule the live aptitude tests
4) Arrange the guest lectures
5) Arrange the seminar
6) can post the recruitment information
7) Arrange the workshops
8) Arrange the presentations
9) TPOs can assign the TPOs staff as mentors to each group of students.TPO staff can track the student's activity to accomplish the assigned assigned task or activity.

B. Student Module

In the student module the students can access all the material and posts provided by the training and placement officers Students can build their own profiles and skills, certifications, and personal details with project work. Students can join the mock interviews, seminars, presentations, group discussions, and sessions.

C. Company Module

TPOs of the college can add and remove the company from the system. The company can access the student's data from the application as per permissions allowed by TPOs.

D. Guest Module

In this module, the TPOs can add guest members to the system as the guest to conduct lectures, seminars, interviews, etc.

V. CONCLUSIONS

The proposed application has overcome the drawbacks of the previously existing Android application or web-based application in terms of features of the application, interaction method between the students and training and placement officers technology, and design patterns used in the design and development of the application.

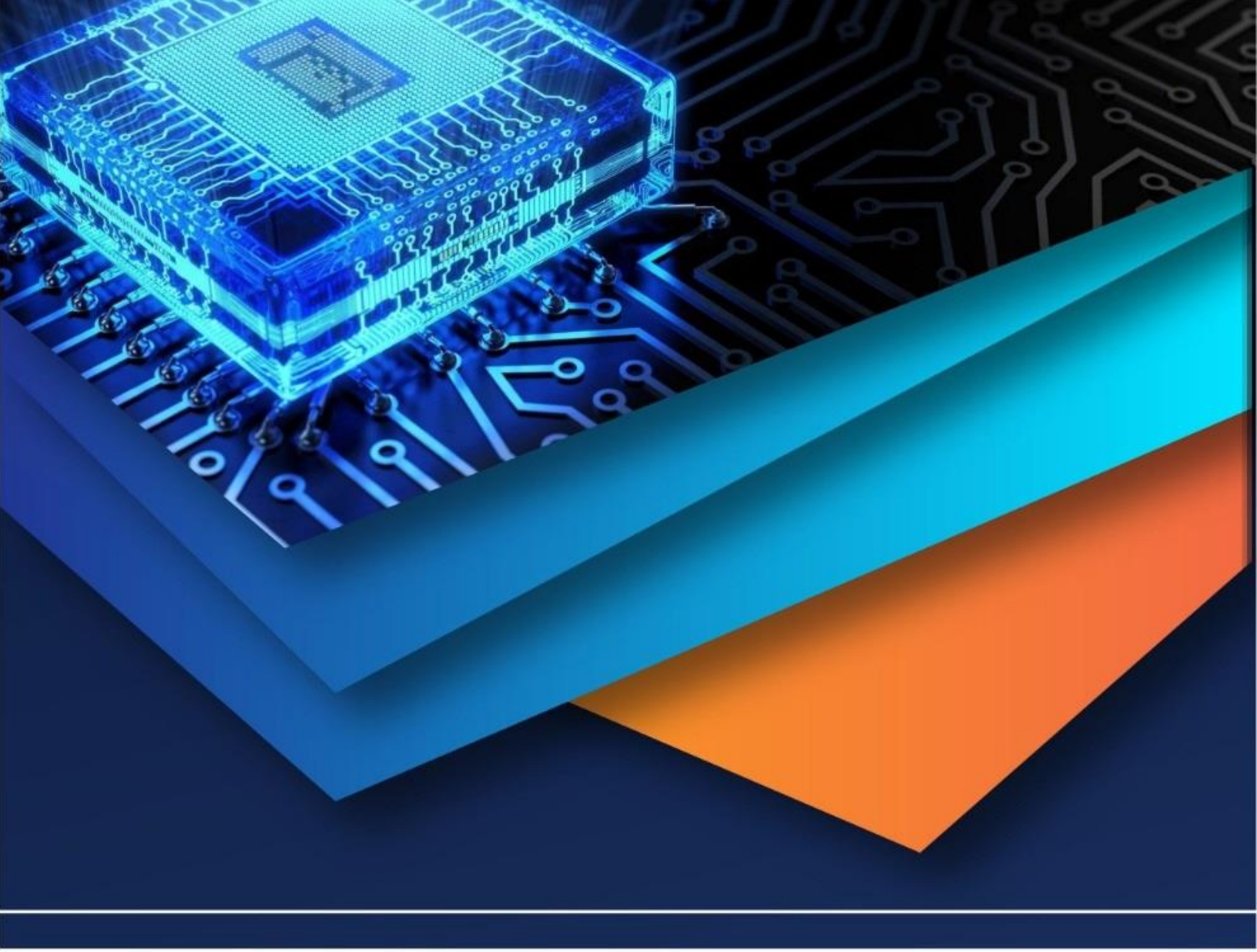
VI. ACKNOWLEDGMENT

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