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Student Employment System

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Abstract: ***The Student Employment System is a comprehensive web-based application designed to streamline and automate the process of managing student employment within an educational institution. This system aims to enhance efficiency, transparency, and accountability in the management of student employment, providing a centralized platform for students, employers, and administrators. The SES seeks to foster a more organized and efficient approach to managing student employment, creating a positive experience for both students and employers. It is designed to adapt to the specific needs of educational institutions, promoting collaboration and transparency in the hiring process***
Keywords: SES – Student Employment System

I. INTRODUCTION

In the dynamic landscape of higher education, student employment plays a pivotal role in shaping a holistic educational experience. Recognizing the significance of efficient and transparent management of student employment, the Student Employment System (SES) emerges as a comprehensive solution tailored for educational institutions. This system endeavors to streamline the entire lifecycle of student employment, facilitating a seamless connection between students seeking employment opportunities and employers within the institution.

A. Background

Traditionally, the process of student employment has been characterized by manual, paper-based procedures, leading to inefficiencies, communication gaps, and a lack of centralized oversight. Recognizing the need for a modernized approach, theStudent Employment System is conceived as a web-based platform that harnesses the power of technology to optimize the management of student employment.

B. Objective

The primary objective of the Student Employment System is to create an integrated and user-friendly platform that caters to the diverse needs of students, employers, and administrators. By centralizing the processes involved in job posting, application submission, evaluation, and communication, the system aims to enhance efficiency, transparency, and accountability in the realm of student employment.

C. Key Features

1) *User-Friendly Interface:* The system offers an intuitive interface that accommodates the varying technological proficiencies of users, ensuring easy navigation and accessibility.
2) *Comprehensive Job Posting and Application:* Employers can post job opportunities with detailed descriptions, and students can browse, apply, and track the progress of their applications seamlessly.
3) *Efficient Application Management:* Employers can manage applications, communicate with applicants, and schedule interviews within the system, streamlining the hiring process.
4) *Document Management:* Students can upload and manage their resumes and other relevant documents, providing employers with comprehensive information for evaluation.
5) *Communication Module:* The system incorporates an integrated messaging system, reducing communication barriers and enhancing collaboration between students and employers
6) *Interview Scheduling:* Employers can schedule interviews through the system, and students receive notifications, ensuring a well coordinated and organized interview process.
7) *Feedback Mechanism:* Both students and employers can provide feedback, contributing to continuous improvement and fostering a positive user experience. Reporting and Analytics: Administrators have access to robust reporting tools, offering insights into theperformance and utilization of the system, enabling data-driven decision-making.

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II. RELATED WORK

In [1] authors used This study involved technical teachers from Northwest Nigerian colleges, aiming to enhance students' soft skills, using a questionnaire with 31 items validated for assessment, and it included 295 teachers from 22 public colleges in the sample. In [2] This study uses data from job portals and universities to help students in the IT sector choose the right training programs, focusing on occupations like programming and emerging roles such as data scientists, with the goal of creating a Dashboard for informed career decisions. In [3] This quantitative study examines the impact of Job Readiness Applications and student competency on job readiness and industry job prospects among 260 engineering students, with findings showing significant connections between these factors. In [4] This study examines college students' employment challenges, analyzes their awareness and job skill readiness, and recommends using data- driven models and technology platforms to guide graduates toward improved employment.

III. METHODOLOGY

The proposed Student Employment System (SES) envisions a technologically advanced and user-centric platform that addresses the challenges associated with managing student employment within educational institutions. By integrating innovative features and leveraging modern technologies, the proposed system aims to revolutionize the way students find employment opportunities and how employers engage with potential candidates.

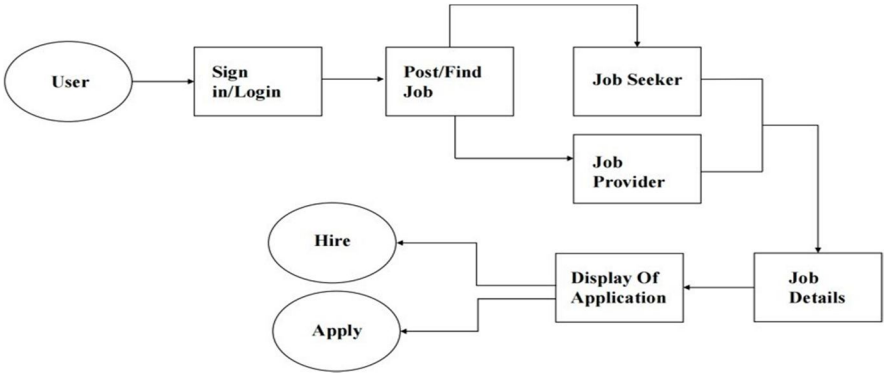


Fig. Workflow diagram of the system.

A. *Functional Module Design of the System*

System mainly includes the following function modules: user registration module, employment information management and employment guidance module and management module of the unit, the employment department management module, statistical module of employment, employment information query module, the employment agreement and policy management module and turnover and default function module etc.

1) *User Registration Module:* WEB based employment management system design for membership registration system, set by the system administrator privileges. There is no registered user that is a tourist, available information is limited. By the system administrators to different users of the rights to set [5], such as the students registered users can be information query, download, and employment guidance module in the interactive features. The teacher user can be registered on the basis of user rights, to achieve employment information editing, upload, modify, and other functions. User information can be released by the user, or according to the needs of the user, the system recommended by the system to meet the conditions of College students.
2) *College Students Employment Information Management and Employment Guidance Module:* Each university student users in this module has a resume template, the student user login, you can edit your resume, you can download the resume template [6]. Students can also fill in their employment information management module in the employment information management module, the employment guidance module can be based on the students' employment intentions of screening results, to provide students with relevant employment information.
3) *Unit Management Module:* Employing units to provide relevant information to the University and registered in the system, after the audit, as a member of the employing unit. The employer to publishing in the module units have confidence, at the same time, the systemalso can according to unit needs and recommend to meet the requirements of the students resume, college employment personnel can also be according to the requirements of the enterprise employment, to unit of choose and employ persons recommended interview and interview results to release in the employing unit management module.

4) *College Employment Department Management Module:* Department of employment management in Colleges and universities is required to release the college students' employment related information in the system, employment sector managers not only from colleges and universities employment sector also includes various department of employment guidance teachers, in addition to the dissemination of relevant information, these personnel also responsible for employment management information system in the information audit and authenticity of the investigation.
5) *Employment Statistics Module:* This module is a module for the statistics and analysis of the employment situation, job position, salary and employment rate of college students. In addition, this module also has the print function, teacher users and system administrators can be directly retrieved and printed.
6) *Employment Information Inquiry Module:* This module, whether teachers, students, students, or users, can be used to enter the key words, the search to the relevant information available to the public.

IV. CONCLUSION AND FUTURE SCOPE

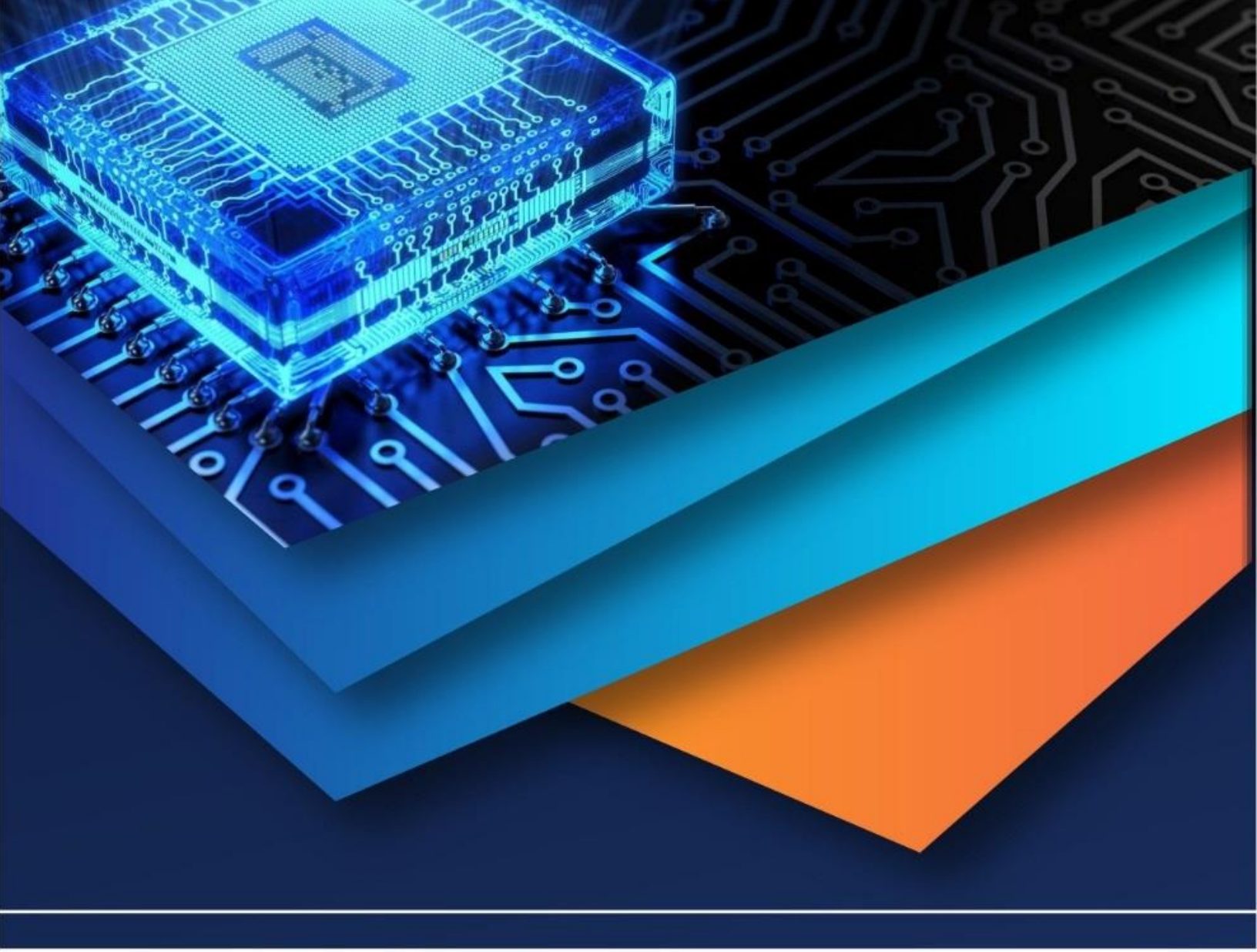
The proposed Student Employment System aims to elevate the management of student employment to new heights by incorporating cutting-edge technology and user-friendly interfaces. Through its holistic approach, the system seeks to enhance collaboration, transparency, and efficiency, creating a positive and empowering experience for students and employers alike within the realm of student employment.

In the future following things can be implemented:

1) Application Tracking
2) Security management.
3) Improvement in Secure Communication

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