

Internship Tracking and Reporting System

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Abstract. Nowadays, the internet is widely used not only to fulfill daily needs but also as a tool for communication and idea exchange. The internship management is one area where technology can greatly improve efficiency and connection among students, companies, and institutions. The goal of this project is to develop a web-based system called Future Track Internship Tracking and Reporting System, aimed at helping computer science students to find suitable internship opportunities. The system connects students with companies and government organizations offering internships, making the process more organized and accessible. Through this platform, the students can search and apply for internships, and track their application status and progress. The employers can post job opportunities and view the students' applications. University supervisors can monitor student performance and internship activities. By bringing all stakeholders, students, companies, and supervisors into one centralized system, the future track reduces manual effort, enhances collaboration, and improves the overall internship experience.

Keywords: Career Development, Computer Science Students, Employer Portal, Internship Management, Online Applications, Student Tracking, University Supervision, Web-based System

INTRODUCTION

The Future Internship Tracking and Reporting System is a user-friendly web platform that simplifies the internship process for computer science students. It allows the students to explore and apply for internships, submit progress reports, and track their application status all in one place. Companies can post openings and manage applications, while the university supervisors monitor student's performance and provide guidance. Administrators oversee the entire system, ensuring smooth operation and content accuracy. By connecting students, employers, and supervisors in a single system, Future Track improves transparency, reduces manual work, and aligns the academic goals with real-world opportunities. The platform is accessible to all users, regardless of technical background, and promotes a more efficient, collaborative internship experience.

PROBLEM

The primary problem addressed by the system is the lack of a centralized, efficient, and user-friendly system to manage internship opportunities, applications, and student progress. Many students face difficulties of finding suitable internships due to limited access to up-to-

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date information and scattered application processes. Likewise, companies and organizations struggle to get qualified candidates, while the university supervisors lack streamlined tools to monitor student performance during internships. The absence of a unified platform results in poor communication, delays in application tracking, and misalignment between academic goals and industry needs. The students often miss valuable opportunities, and companies may overlook potential talent due to inefficient systems. Supervisors also face challenges in managing evaluations and reports manually. Therefore, there is a clear need for a digital solution that connects all stakeholders, students, employers, and supervisors into a single system. This solution must provide real-time access to opportunities, improve communication, and support organized, data-driven internship management.

APPROACH

The Future Track Internship System consists of four main roles: Administrator, Student, Employer, University and Organization Supervisor. Each role is designed to interact with the system in a way that contributes to the effective management of internships. The students can browse internship listings without logging in, allowing them to explore opportunities freely. Once registered and logged in, they can apply for internships, submit progress reports, and monitor their application status. The students also have access to announcements regarding internship programs, deadlines, or relevant updates, ensuring they remain informed throughout the process. They can update or remove listings as needed, making it easy to keep their offerings current and relevant. The University Supervisors play a critical role in overseeing the student progress. They can log in to view submitted reports, monitor student activity, and provide guidance. This helps ensure that the internships align with academic standards from which students gain meaningful experience.

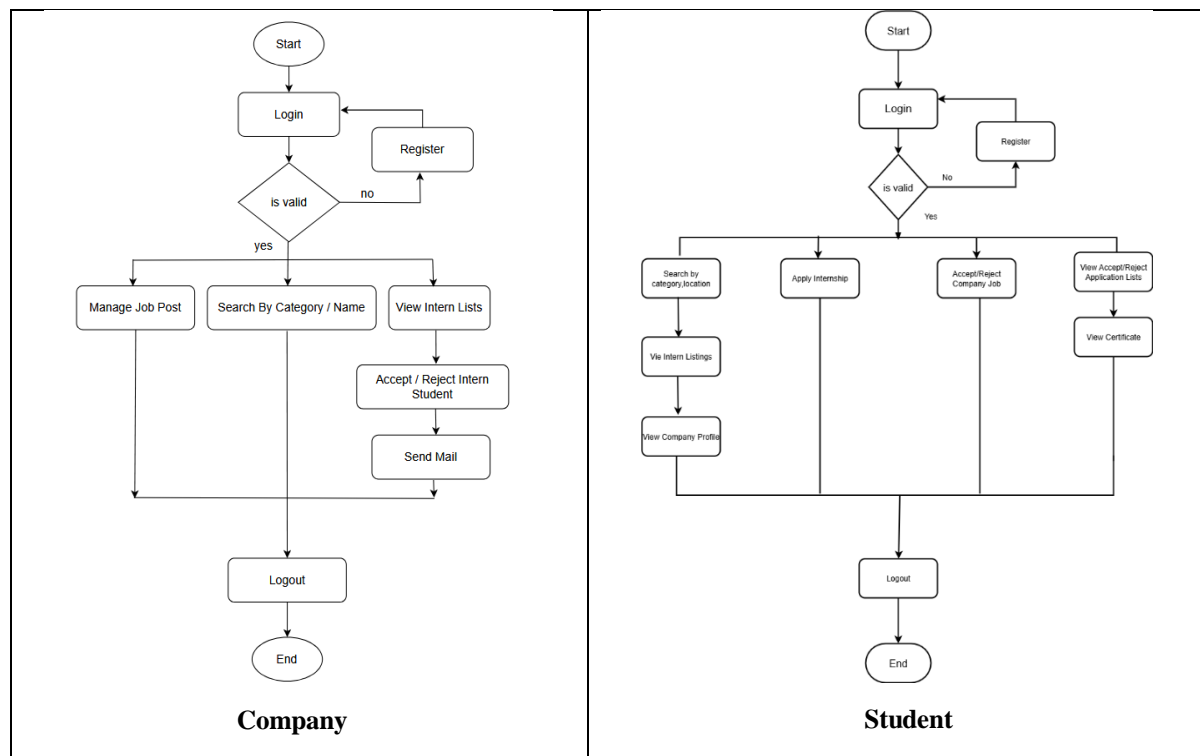


Figure 1: System Flow Diagram

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Administrators have the highest level of access and control. After securely logging in, they can manage user accounts across all roles, approve or reject internship listings, and ensure the accuracy of information posted on the platform. Admins are responsible for maintaining announcements, updating system settings, and monitoring overall system performance. All operations are connected to a central database that stores, retrieves, and manages data efficiently. This role-based structure ensures that each user type can interact with the system according to their specific needs, promoting a smooth and organized internship experience for all participants as shown in Figure 1.

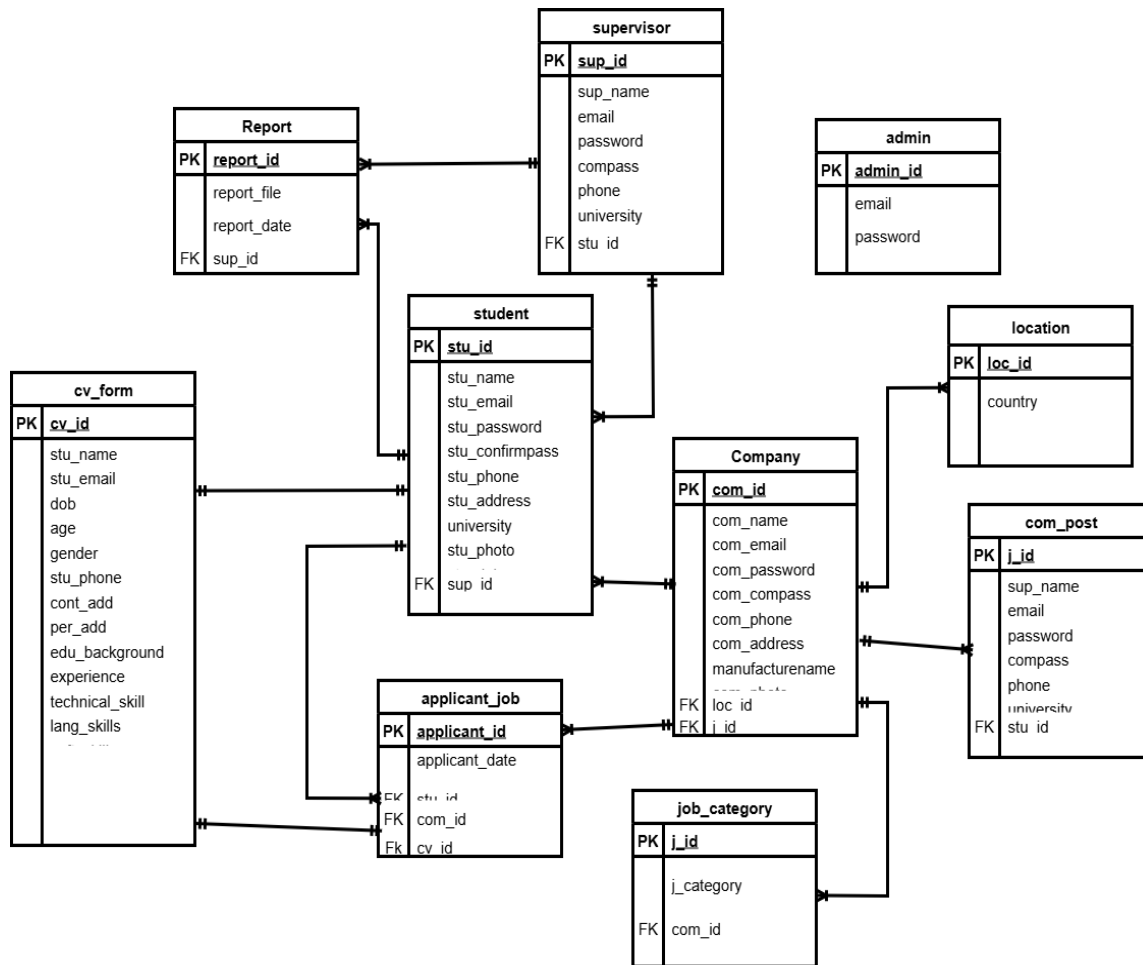


Figure 2: Database Design

Figure 2 shows an Entity-Relationship Diagram (ERD) for a job application management system. The main entities are student, supervisor, admin, company, location, report, cv_form, applicant_job, job_category, and com_post. Each entity has attributes such as IDs, names, emails, passwords, phone numbers, and other related details, with primary keys (PK) and foreign keys (FK) are clearly defined. There are good relationships in which students connect with supervisors, CV forms, and job applications; companies with job categories, posts, and locations and supervisors with reports. Overall, the diagram illustrates how students, companies, and supervisors interact in the system to manage CVs, job applications, job posts, and reporting.

RESULTS

The Future Track Internship System offers a clean, accessible interface that allows the users to easily navigate the platform. The visitors can view internship opportunities and announcements without logging in, using any internet-enabled device. Once logged in, the students can manage their profiles, apply for internships, track application status, and submit progress reports. Feedback options are also available to improve the system. Employers and supervisors can manage job postings and monitor the student performance through their dedicated dashboards. While internet access is currently required, future improvements aim to support usage in low-connectivity areas. The system effectively replaces manual processes by centralizing all internship-related tasks, making it easier for students, companies, and universities to stay connected and organized as shown in Figure 3.

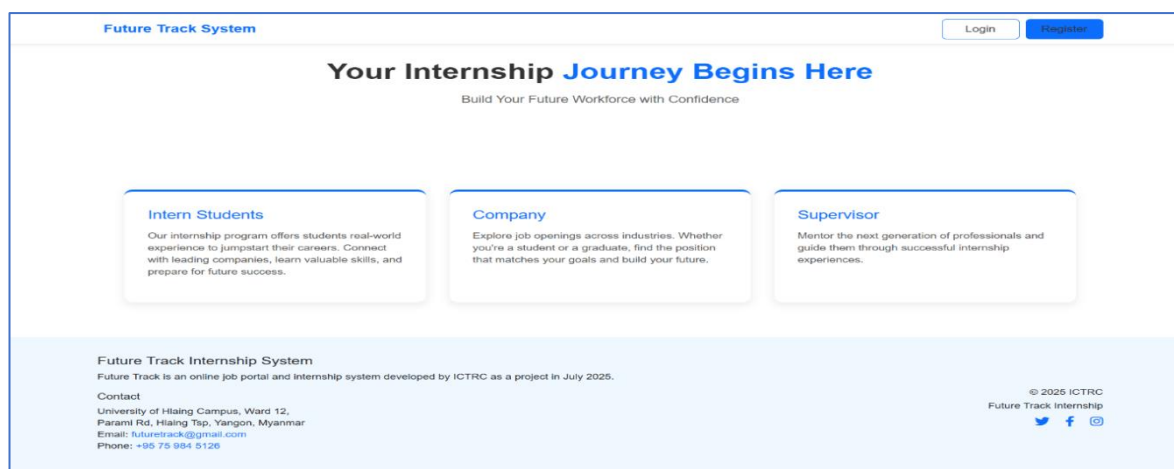


Figure 3: Home Page

The evaluation of the Internship Tracking and Reporting System was carried out using three key metrics: usability, performance, and security. Usability testing showed that students, supervisors, and employers were able to navigate the system and complete tasks such as applying for internships, reviewing reports, and posting job listings with minimal guidance, demonstrating a high level of user-friendliness. Figure 4 shows the admin dashboard of the Internship Tracking and Reporting System.

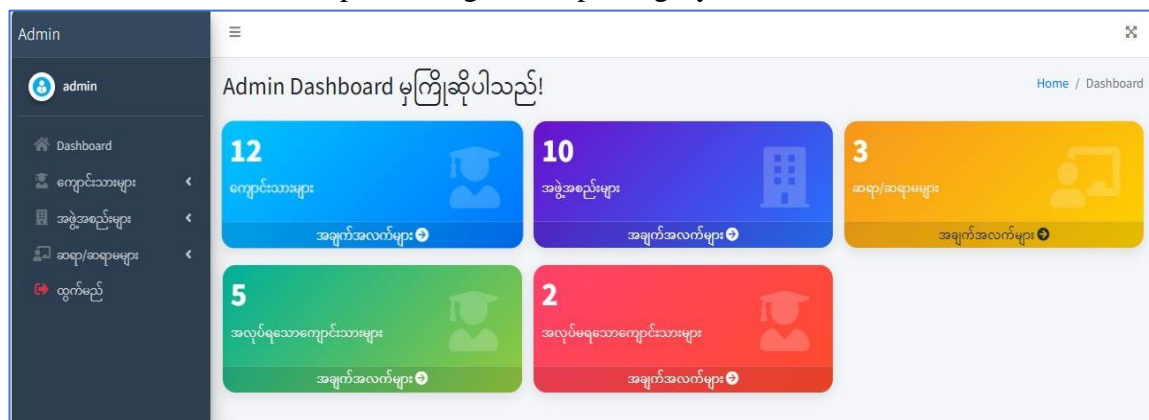


Figure 4: Admin Dashboard

CONCLUSION

The platform is built with a clear purpose: to guide students toward relevant career paths by connecting them with internships that align with their interests and abilities. It is designed to streamline the internship management for all users—including students, companies, supervisors, and administrators—by centralizing every process in a single, efficient system. By focusing on enhancing collaboration between students, companies, and university supervisors, the platform ensures a more coordinated and effective internship experience. Additionally, it reduces the manual workload through digital automation of tasks such as application tracking and reporting. Overall, the system aims to deliver a smart, intuitive, and user-friendly internship platform that improves the outcomes for all stakeholders.

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