

Internship Provider using Web Application

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Abstract—The "Web-Based Application for Project Internship Provider" is a comprehensive online platform designed to streamline and enhance the process of connecting students seeking internships with organizations offering internship opportunities. This innovative web application addresses the challenges faced by both students and internship providers in managing the internship selection and placement process efficiently and effectively.

Index Terms— web-based system, internship, online, interactive web platform, quality placement.

I. INTRODUCTION

In today's dynamic and competitive job market, gaining practical experience through internships has become an essential stepping stone for students on their journey toward a successful career. Internships provide a distinctive chance to translate theoretical knowledge into practical scenarios, cultivate essential skills, and establish a professional network [6], [7]. However, navigating the internship landscape can be challenging, both for students seeking opportunities and for organizations offering them.

A program of industrial training or an internship is required as part of the engineering diploma requirements [11]. Every student must finish the required eight-week industry attachment program. With this objective in mind, students have the freedom to choose organizations from either the public or private sectors [4]. Students gain exposure to the actual workplace through this training, which also helps with their career and personal growth [2], [5]. The knowledge and experience gained from various topics during the internship also assist students in the development of their final year projects [9].

To address these challenges and empower students and internship providers alike, we are proud to introduce our Internship Provider Website. This innovative platform serves as a bridge between aspiring students and forward-thinking organizations, facilitating the seamless placement of talented individuals into exciting internship roles. Our Internship Provider Website is designed to revolutionize the way student's access internships and how organizations identify and mentor emerging talent. Whether you are a student eager to kick-start your career journey or an organization seeking to tap into fresh, motivated talent, our platform offers a range of benefits that make the internship process smoother, more transparent, and ultimately more rewarding for everyone involved.

The objective of this system is to securing campus placement, considering a range of factors including gender, percentage scores in SSC (Secondary School Certificate) and HSC (Higher Secondary Certificate), HSC stream, degree percentage, and type of degree, work experience, and e-test performance [3].

II. PROPOSED METHODOLOGY

The proposed methodology for an internship provider website involves a multi-faceted approach. It begins with market research to identify industry demand and potential partners. The website's development includes a user-friendly design, robust backend databases for internship listings, and applicant profiles. Collaboration with educational institutions and companies is essential for internship opportunities. An integrated application and matching system connects students with relevant internships. Quality control mechanisms ensure internships meet standards, while analytics track user engagement and success rates.

An internship provider website works as follows_ Employers register and create detailed profiles, posting internship listings with comprehensive details. Prospective interns create profiles showcasing their qualifications, skills, and career goals. The website employs matchmaking algorithms to suggest relevant internships based on user profiles [6]. Interns apply directly through the platform, submitting required documents. Automated notifications keep users updated on application statuses and interview invitations. Employers manage applications via a dashboard, facilitating communication with applicants [1], [10].

Continuous improvement through user feedback and adapting to changing market needs ensures the website's effectiveness in bridging the gap between students and valuable internship experiences.

III. PROPOSED PRODUCT

When the users access the website, they will be welcomed with several pages showing how-to-steps and facilities to operate the system and communicate among the users (recruiter, student). Each page of the website is explained below in figure 1.

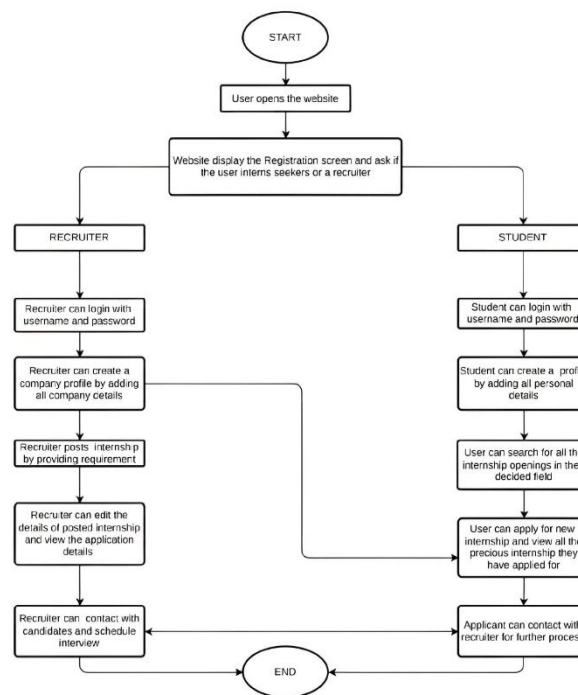


Figure 1. The flow chart of the working process of the application architecture

A. Public common zone

The public common zone of an internship provider website refers to the sections of the platform that are accessible to all visitors, whether they are employers, potential interns, or other users. This area typically includes features and information that do not require user authentication. Here are common elements found in the public zone of an internship provider website:

Homepage

Provides an overview of the platform's purpose and features. Highlights featured or popular internships. Offers a search bar and navigation menu for easy exploration.

About Us

Details the mission, vision, and background of the internship provider platform. May include information about the team behind the platform.

Signup/Registration Information:

Calls to action encouraging users to register for an account. Information about the benefits of signing up for both employers and interns.

B. Student zone

The "Student Zone" on an internship provider's website is a dedicated space tailored to meet the unique needs of students seeking internship opportunities. This section serves as a comprehensive hub, offering internship listings with filters for industry, location, and duration, enabling students to browse and apply for relevant positions seamlessly. It provides tools for efficient application management, allowing students to track application statuses and manage required documents. Within the Student Zone, students can create and maintain profiles, highlighting their academic achievements, skills, and work experiences.

C. Recruiter zone

The "Recruiter Zone" on an internship provider's website is a specialized section designed to cater to the needs of recruiters and employers seeking to engage with potential interns. This segment typically offers a range of features to streamline the recruitment process. Recruiters can post internship opportunities, detailing key information such as job descriptions, qualifications, and application procedures. Application management tools allow recruiters to efficiently review and process candidate applications, making the selection process more seamless.

Additionally, recruiters may have access to a database of student profiles, allowing them to identify and connect with candidates that match their internship requirements.

In essence, the Recruiter Zone serves as a centralized hub for employers to efficiently manage their internship offerings, connect with potential interns, and optimize their recruitment efforts through data-driven insights.

IV. RESULT

In response to a discernible uptick in internship demand over the past five years as shown in figure 2, we are embarking on the development of an internship provider website. This decision is founded upon a thorough analysis of statistical data, revealing a consistent upward trend in companies seeking interns. Our initiative underscores a commitment to bridging the gap between aspiring interns and forward-thinking organizations. By leveraging cutting-edge technology and user-centric design principles, our platform aims to streamline the internship search process. Through transparency, accountability, and a focus on user satisfaction, we aspire to revolutionize the landscape of internship opportunities, empowering individuals to pursue rewarding professional experiences.

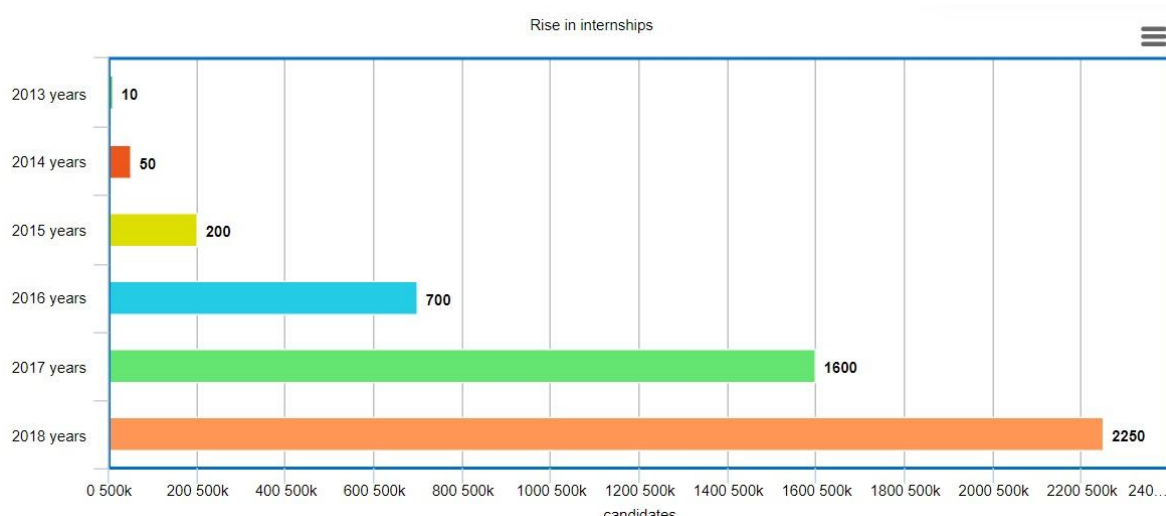


Figure 2. Increasing demand of internship since last 5 years

Our “Internship provider website” work as follows: This Figure 3. Shows the step by step procedure of our website.

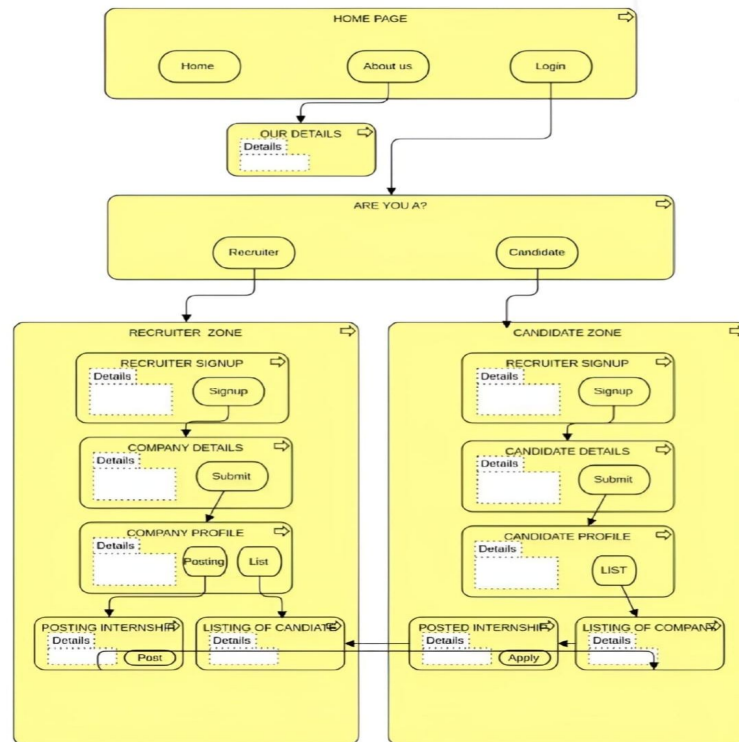


Figure 2. Procedure of website

Step 1:- First visit to our web application.

Step 2:- Login to our application as Candidate/Recruiter.

Step 3:- If you are the Recruiter then Signup as recruiter or if you are the Candidate the Signup as Candidate.

Step 4:- If you signup as recruiter then fill the all the details of your company and the company profile will get create/ If you signup as Candidate then fill the all the details of your Qualifications, skills etc. And the Candidate profile will get create.

Step 5:- In Company Profile there are two options such as Recruiter can “post” the Internship and another option is “List” the candidate those who are applied for internship can view.

In Candidate Profile there is an option of “list” from which all the companies who had posted the internship can viewed by candidate.

Step 6:- When Candidate apply for a particular internship the request is send to Recruiter and after that the Recruiter will contact with that candidate for further process.

V. CONCLUSION

In conclusion, an internship provider website serves as a dynamic and essential platform that bridges the gap between aspiring students and potential employers. Through dedicated sections like the "Student Zone," it empowers students with tools to explore, apply, and navigate internship opportunities seamlessly. The platform offers a user-friendly interface, integrating features such as internship listings, application management, educational resources, and communication channels, enhancing the overall experience for students.

Simultaneously, the "Recruiter Zone" provides employers and recruiters with a tailored space to post internship opportunities, manage applications efficiently, and connect with a pool of qualified candidates. The website acts as a central hub, fostering a symbiotic relationship between students and recruiters, contributing to a successful and mutually beneficial internship experience.

As well as Students can also grasp the unique company culture, immerse themselves in the workplace environment, hone specific professional skills, and enhance their professional potential. Ultimately, they are confident that they can improve through their efforts [8].

By providing essential resources, fostering communication, and streamlining processes, an internship provider website plays a pivotal role in shaping the future workforce, facilitating valuable learning experiences for students, and meeting the talent acquisition needs of employers [12].

VI. FUTURE WORK

In the forthcoming period, our internship provider website will engage in close collaboration with academic institutions to effectively facilitate the connection of students with internship opportunities.

In the future, we will introduce an innovative AI chatbot designed to revolutionize the internship search process for both students and companies. This chatbot will analyze students' skills, preferences, and academic backgrounds to suggest the most suitable internship opportunities. Simultaneously, it will assist companies in identifying top-tier candidates by matching their requirements with students' profiles. With personalized recommendations and real-time updates, our AI chatbot will streamline the internship matchmaking process, ensuring students find enriching experiences while companies discover the best-fit interns, ultimately fostering mutual success and advancement in the professional landscape.

We will also introduce a skill-based resume builder, enabling students to craft personalized resumes highlighting their unique abilities. By leveraging this innovative tool, users can efficiently showcase their skills, enhancing their competitiveness in the job market and increasing their chances of securing desirable internship opportunities.

REFERENCES

- [1] Garcia, Rafael, and Jordi Puig. "Student Internship Placements: Improving the quality of engineering internship programmes." *IEEE EDUCON 2010 Conference*. IEEE, 2010.
- [2] binti Jaafar, Afiza Nur, et al. "Development of internship monitoring and supervising web-based system." *2017 IEEE 15th Student Conference on Research and Development (SCORED)*. IEEE, 2017.
- [3] Shahane, Priyanka. "Campus Placements Prediction & Analysis using Machine Learning." *2022 International Conference on Emerging Smart Computing and Informatics (ESCI)*. IEEE, 2022.
- [4] Cutler, Stephanie, and Maura Borrego. "Developing global competence in graduate engineering and science students through an IGERT international internship program." *2010 IEEE Frontiers in Education Conference (FIE)*. IEEE, 2010.
- [5] Foong, Oi Mean, et al. "Mashup for knowledge sharing paradigm: A case study in undergraduate industrial internship training programme." *2012 International Conference on Computer & Information Science (ICCIS)*. Vol. 1. IEEE, 2012.
- [6] Ibrahim, Norsafwani, et al. "Student-Industry Matching for Internship Placement." *2021 Fifth International Conference on Information Retrieval and Knowledge Management (CAMP)*. IEEE, 2021.
- [7] Medeiros, Ana Rita, et al. "Using virtual internships as an innovative learning technique." *2015 IEEE Global Engineering Education Conference (EDUCON)*. IEEE, 2015.
- [8] Wang, Fu-Tung, et al. "Work Scene Learning Cooperated with School-Based Learning: A Case Study of Placement Courses Program for CSIE Undergraduate Students." *2015 International Symposium on Educational Technology (ISET)*. IEEE, 2015.
- [9] Hameed, Shahul, and G. S. Nileena. "IEEE student quality improvement program: To improve the employability rate of students." *2014 IEEE International Conference on MOOC, Innovation and Technology in Education (MITE)*. IEEE, 2014.
- [10] Tyagi, Disha, et al. "Job and Internship Assistance Application." *2023 International Conference on Disruptive Technologies (ICDT)*. IEEE, 2023.
- [11] Mohd Hanifa, Rafizah, et al. "Development of pusat pengajian diploma industrial training online system (PITOS): a step forward." *Applied Mechanics and Materials* 321 (2013): 2528-2531.
- [12] Leong, Lau Teck, et al. "Benchmarking the Industrial Expectations of Civil Engineering Students through Internship Placements." *Applied Mechanics and Materials* 423 (2013): 2913-2917.