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| **Tech Saksham**  Final Project Report  **Track Name** |  |  |

**“PLACEMENT MANAGEMENT SYSTEM**

**“RGUKT RK VALLEY”**

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**ABSTRACT**

The placement management system is a web-based application developed using Spring Boot and HTML. This system is designed to help educational institutions manage their campus recruitment process more efficiently. It provides a platform for students to register and apply for job opportunities, while employers can post job openings and review applicants' profiles. The system is built using Spring Boot, a popular Java framework for developing web applications, which provides features such as dependency injection, data access, and web services. The front-end of the system is developed using HTML and Thymeleaf, a template engine for Java that allows for the easy creation of dynamic web pages. The placement management system features a user-friendly interface that allows students to easily register and upload their profiles, which can be viewed by potential employers. Placement coordinators can create accounts, post job openings, and review applicants' profiles to find suitable candidates. Overall, the placement management system provides an efficient and streamlined process for educational institutions to manage their campus recruitment, benefiting both students and employers.

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**CHAPTER 1**

**INTRODUCTION**

* 1. **Overview**

The Placement Management System is a web-based application designed to assist educational institutions in managing their campus recruitment process effectively. The system provides a platform for students to register, apply for job opportunities, and create profiles while allowing employers to post job openings and review applicants' profiles.

* 1. **Feature**

**>** User management

**>**Easily find jobs

**>**Can apply jobs and withdraw jobs

**>**user friendly code and layout

* 1. **Advantages**

The Placement Management System offers several advantages to educational institutions, employers, and students. Some of the key advantages of the system are as follows: Improved Efficiency, Increased Reach, Enhanced Communication, User-Friendly Interface, Cost-Effective.

* 1. **Scope**

The scope of the Placement Management System project is to deliver a fully functional and user-friendly application that streamlines and optimizes the campus recruitment process. The system will provide a centralized platform for job postings, student applications, and communication channels, enabling employers to access a broad pool of talented candidates and students to find job opportunities more efficiently.

* 1. **Future Work**

>New features marketing channels will emerge

>Private label become more common

>AI and Chatbots become personal assistants

>Personalization will be key to success.

**CHAPTER 2**

**SERVICES AND TOOLS REQUIRED**

**2.1 Tools and Softwares used**

**>** To develop this website STS tool is used

**2.2.1 HTML**

HTML stands for Hypertext Markup Language. It is a standard markup language used to create and structure web pages.

**2.2.2 JAVA & SPRINGBOOT**

**>**JAVA used to build the project

>SPRING BOOT provides infrastructure support for developing Java applications.

**CHAPTER 3**

**PROJECT ARCHITECTURE**

**3.1 Architecture**

**USER FRONTEND BACKEND**

|  |  |  |
| --- | --- | --- |
|  | **HTML 5** | Springboot |

**CHAPTER 4**

**DETAIL WORKING**

**4.1 User**

> Sign up & login

> Search jobs

> Add to my job

> View jobs and apply

> Select withdraw mode

> Profile build

**4.2 Admin**

> Add jobs

> Takes jobs

> user and job management

**CHAPTER 5**

**PROJECT BUDGET**

* This project is build by taking reference from different wesites and with the help of trainer. No external resourced were bought to complete the project.

**CONCLUSION**

The placement management system using Spring Boot and HTML is a comprehensive solution for managing the placement process of an educational institution. It provides features for students to register, upload their resumes, and view job opportunities posted by the recruiters. The recruiters can also register, post job opportunities, and view the resumes of the students.The project makes use of various technologies such as Spring Boot, Thymeleaf, MySQL, Apache Tomcat, Spring Security, and H2 Database. The implementation of the project involved the analysis and design phase, followed by the implementation and testing phase. The project has several advantages, including a user-friendly interface, efficient management of placement activities, secure login system, and automated resume screening. However, it also has some limitations, such as limited scalability, dependency on external libraries, and potential data security issues. Overall, the placement management system can be a valuable tool for educational institutions to streamline their placement processes and provide better opportunities for students.

**REFERENCES**

Here are some references that you can use for this project:

Spring Boot documentation: https://spring.io/projects/spring-boot

• Thymeleaf documentation: <https://www.thymeleaf.org/documentation.html>

• MySQL documentation: https://dev.mysql.com/doc/

• Apache Tomcat documentation: <https://tomcat.apache.org/tomcat-9.0-doc/index.html>

• Spring Security documentation: <https://spring.io/projects/spring-security>

• H2 Database documentation: https://www.h2database.com/html/main.html

• Object-Oriented Analysis and Design Using UML: <https://www.amazon.com/ObjectOriented-Analysis-Design-Using-UML/dp/0471324215>

• Agile Software Development, Principles, Patterns, and Practices: https://www.amazon.com/Software-Development-Principles-Patterns-Practices/dp/ 0135974445

• Head First Design Patterns: https://www.amazon.com/Head-First-Design-Patterns-BrainFriendly/dp/0596007124

• Java Persistence with Hibernate: https://www.amazon.com/Java-Persistence-HibernateChristian-Bauer/dp/1932394885 Additionally, you can also refer to online resources such as blogs, video tutorials, and forums to get help and guidance on specific topics related to the project.

**CODE**

**Git hub repository link for complete project source code**

* https://github.com/ekotijahnavi/Techsaksham-Projects