***Software Requirement Specification***

***Placement Management System***

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| **Aspire Systems** | SRS- Project |

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# 1. Introduction

The Placement Management System (PMS) is a comprehensive tool that organizations and educational institutions can use to improve and expedite the process of matching qualified job seekers with potential employers. Using cutting-edge technology and extensive features, PMS streamlines the entire hiring process, from posting jobs and keeping track of applicants to setting up interviews and handling offers. Because of its intuitive interface, matching talent with appropriate opportunities is made as efficient and effective as possible for both recruiters and candidates. In addition to centralizing and automating administrative work, PMS provides insightful analytics to assess recruitment tactics and enhance results over time. Because of its scalability and configurable modules, PMS is an essential tool for today's talent acquisition, strengthening the bonds between companies and academic institutions.

## 1.1 Objective

* The main objective of the project on “Placement Management System” is to manage the details of students, company, Training and placement officer.
* Placement activities becomes more interactive, automated and effective.
* User friendly interface.
* Save time & work load for placement cell.
* To increase the accuracy and efficiency of placement procedure.
* Management of Student Data as well Company Data.
* Analysis of overall Placement.

**1.2 Purpose of the Project**

## This Software Requirements Specification (SRS) document outlines the requirements for the Placement Management System. The system aims to automate and streamline the process of managing placements for students within educational institutions or training centers. By providing a centralized platform, the system will facilitate efficient communication and coordination between students, employers, and placement coordinators.

## 1.3 Scope of the project

The Placement Management System will encompass functionalities such as student and employer registration, job posting and application management, placement scheduling, and reporting. It will serve as a comprehensive solution to manage all aspects of the placement process. The system's scope extends to administrators responsible for system management and configuration, students seeking placement opportunities, employers offering placements, and coordinators facilitating placement activities.

# 2. Overall Description

This project is to facilitate students in college, company to register and communicate with Placement Office. The users can easily access the data and it can be retrieved easily in on time.

## 2.1 Product Perspective

In various colleges, training and placement officers have to manage the student’s profiles and the documents of students for their training and placement manually.

Also Placement Officers have to collect the information of various companies who want to recruit students and notify students time to time about the placements.

Placement Officer also have to arrange profiles of students according to various streams and notify them according to company requirements. If any modifications or updates are required in the profile of the students or the Company, it has to be searched and done manually.

Hence the Placement Management System would maintain a huge database for the complete details of thestudents as well as the Companies in the Placement process which would help to save time and effort.

### 2.2 Product Functions

The Placement Management System is to be developed as an attempt to take a record of Companies and students by restricting a large database that would be used for each.

The System would provide the facility of viewing both the personal and academic information of the students and also the company. The System would also be able to search for eligible students and company with respect to their specifications and requirements. The eligible students would receive an email including the details of the Company, placement procedure and other details.

### 2.3 User Classes and Characteristics

The major User classes in the System would be:

**1. Student**

* New Student needs to sign up or register giving complete details
* They can submit resume and update profile information.
* They can register for a particular Company.

**2. Administrator**

* The admin has the supreme power of the application
* Admin provides approval to the Student and the Corporate registration
* Admin is responsible for maintaining and updating the whole system.
* Admin has the responsibility to notify the Company for any application from a student.
* Admin has to notify the students regarding any changes in the procedure or selection.

**3. Company**

* The Company has to notify the Admin or the Placement officer.
* The Company initially has to sign up.
* The Company may shortlist the students who applied. They may use their details (academic as well as personal).

The other classes would be:

**1. Database**

* It needs to updated regarding any new additions i.e. of Company and students.
* It has to be updated regarding any notifications from the Company.

# Once the selection procedure is complete, the redundant data of the Company as well as the students is to be deleted.

# 3. Specific Requirement

**3.1 Functional Requirement**

Functional requirements include user management functionalities such as registration and profile management, job management functionalities such as posting and application tracking, placement coordination functionalities such as scheduling and communication, as well as reporting and analytics functionalities for administrators to monitor placement activities effectively.

# 3.2 Non-Functional Requirement

Non-functional requirements encompass aspects such as security, performance, scalability, reliability, usability, and accessibility. The system should implement robust security measures to protect user data, demonstrate responsive performance under varying user loads, scale seamlessly to accommodate growth, maintain high availability and reliability, ensure ease of use for users with minimal training, and adhere to accessibility standards for users with disabilities.

# 4. System interfaces

# The system interfaces facilitate seamless interaction between users and administrators within the Placement Management System (PMS). Users access personalized dashboards to explore placement opportunities, submit applications, and track placement statuses. Meanwhile, administrators utilize administrative interfaces to review applications, manage student and employer details, and monitor placement progress. These interfaces are designed to ensure smooth navigation and efficient workflow management within the system, enhancing the overall placement experience for all stakeholders.

# 5. System Design

**5.1 Use Case Diagram**

The actors and use cases are clearly shown in below use-casediagram.

A use caseis a list of actions or event steps typically defining the interactions between a role and a system to achieve a goal.

PLACEMENT MANAGEMENT SYSTEM



Admin

Student

Company

# 5.2 Flow Diagram

The Placement Management System (PMS) has three types of logins: one for students, one for companies (employers), and one for administrators. After signing up, users log in using their own username and password. Then, they go to their own special page in the system. Students can look for placement opportunities and apply for them. Companies can post job openings and check applications from students. Administrators manage everything in the system and make sure everything runs smoothly. They can also see reports about placements. Overall, the system helps everyone involved work together easily and effectively.

Apply Jobs

Start

Registration

Login

Verify

Enter Username & Password

Search Jobs

Manage Account

Post Jobs

Update Details

Logout

View Jobs

Stop

Choose Students

View Applicants

Logout

Logout

No

# 6. Conclusion

Placement Management System (PMS) is like a helpful tool that makes it easier to organize student placements in schools and training centers. It brings together students and admin in one place to make things simpler. With easy-to-use interfaces for everyone involved, the PMS helps students find placement opportunities and lets coordinators keep track of everything smoothly. By focusing on making things efficient, clear, and easy to use, the PMS helps students succeed in finding placements that are right for them, making the whole process better for everyone.