PLACEMENT MANAGEMENT SYSTEM
SRS DOCUMENT

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1 Introduction

1.1. Purpose

This document is meant to detail the features of the software being developed, this is used as a guide for the developers and a software validation document for the clients to check if all the requirements have been satisfied after the development of the software.

1.2. Scope

This system allows to store information of all the students. CV's are categorized according to various streams. Various companies can access the information Students can maintain their information and can update it. Notifications are sent to students about the companies. Students can access previous information about placement.

1.3. Product perspective

1.3.1 System interfaces

This is a web application that runs in the latest version of Chrome, Firefox or any web browser on Windows, Linux and Mac.

1.3.2 User interface

The application user interface has menus, toolbars, buttons, text boxes, hyperlinks allowing the user to control the application with the help of a mouse and keyboard.

1. Login Page

2. 7Registration page

3. Page displaying the personal details and educational details of students

4. If the student to choose placement interest details

5. Page showing company's details

6. Page display recruitment details

7. The page display students to apply for the recruitment,

8. The details of the attended ,selected candidates displayed and selected candidates send email via their registered email address.

1.3.2   Hardware interface

The system needs a proper internet connection for the web application to work properly.

1.3.3   Software interface

The system works on a client-server manner. Communication with the server is done with the help language VB. It also requires Data Base for the storage of details of the customer's and the details of the shops and also the products for that we use MYSQL. DNS is used for the purpose of naming the application on the internet.

1.3.4   Communications interface

The communication architecture follows the client server model. Communication between the client and server should be served over HTTPS. The communication must follow stateless protocol.

1.3.5   Memory constraints

This application needs only a minimal amount of memory for storage and processing.

Product Function

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. Some of the main functions of this application is listed below

1.4.1 Student Sign-Up

1.4.2Admin Sign-Up

1.4.3Personal details of student

1.4.4Educational details

1.4.5Placement interest details

1.4.6Company details

1.4.7Add recruitment details

1.4.8Selection of candidates

1.4.9Attending candidates details

1.4.9Selected candidates details

1.5   User characteristic

The main users of this system are the students. New Student needs to sign up or register giving complete details,they can submit resume and update profile information and they can register for a particular Company. The Admin has the supreme power of the application, they provide approval to the Student and the Corporate registration. Admin is responsible for maintaining and updating the

whole system and has the responsibility to notify the Company for any application from a student, they have to notify the students regarding any changes in the procedure or selection. The Company has to notify the Admin or the Placement officer, company initially has to sign up and company may shortlist the students who applied. They may use their details(academic as well as personal).

1.6Assumptions and dependencies

For the smooth working of the software internet connection is must. The students and the company's should need a contact number for completing the registration and for the purpose of contacting for queries.

1.7Acronyms and abbreviations

We use bold letters to represent the main functions of the system. The underline will represent a hyperlink. Italics represents notes. We will be using some of the acronyms throughout this document. Below shown are the abbreviations and definitions of some terms used in this document.

1.7.1 Admin

Admin is the person who has full control over the web application and he/she is responsible for managing the functions in the system.

1.7.2 Database

Database is the storage space for storing all the information related to the web application in tabular format.

1.7.3 Field

A field is a cell inside a form.

2   Requirements

2.1 External Interfaces

There are many interfaces related to software in software engineering. Some of the important interfaces are User Interface, Software Interface and Hardware Interface.

2.1.1 User Interfaces

User interface is the page with which the customer interact which is build using MYSQL and VB.

2.1.2 Hardware Interfaces

The local address of the system will be in IPV6 format.

2.1.3Software Interface

The system must interact with the configurator to identify all available components. The system should communicate with the content manager to obtain product specification

2.1.4Communication Interface

In communication interface we use the HTTPS which is the secured file transfer protocol used for communication between the client and the server.

2.2 Functions

2.2.1 Registration

The College or students and the Companies have to register with all their documents that the Administrator would verify. Only after thorough verification would the college or student and the Company are allowed to register.

2.2.2 Viewing company details

Students can view the company details that he/she needs to apply

2.2.3 Adding recruiting details

Adding recruitment details is the function done by the company. They can add the process of recruitment details and update the company details

2.2.4Viewing attending candidates' details

Showing attending candidates details

2.2.5 Viewing selected candidates details
The details of selected candidates and send the email to the selected candidates registered email address

2.3 Usability requirements

The software should be easy to use for all the users. The customer and vendors belong to different age group so for all

the users different functions assigned to them should be easily accessible.

2.4 Performance requirements

The performance of the software should not be slow the initial screen should load as fast as possible. There should not be any lagging in between the operations that are done behind the user interface.

2.5   Database requirements

Database requirements include the store of data that comes from the software in a secure manner. All the confidential data related to the users should be kept in the database after encrypting the data. So that the data will be safe.

2.6 Design constraints

Design include the budget for designing and also the time that is allocated for designing. The designing part of the software should be simple that is it should not effect the performance of the software like the time taken for loading a page should not increase. It should be attractive and also should be easy to maintain.

2.7 Software system attributes

The application should run in latest chrome, fire fox or safari. It should not send any data to internet all the data should be kept confidential. It can analyze all the inputs made by the user

3.Verification

In verification we check all the above given requirements are completely present in the final product. All the

functional and non-functional requirements are satisfied and also the product accomplishes the task for which the application was developed. The stake holders check if all the requirements listed by them are satisfied in the product.

4.References

Software Requirements Specification Document for ReqView

https://fdocuments.in/document/placement-management-system-

srs.html