1. **INTRODUCTION**

Placement Management System consists of two active actors, namely, the administrator and the student. The Students and the administrator will be having different logins.

The system opens with a login page which provides an option to login as student or admin. The administrator is none other than the placement officer of that college.

After logging in as student, he/she will be redirected to the welcome page, where he/she will be provided with various options. One of these options allows the employee to add new details, which redirects to the new page where all student details are required to fill such as name, contact and marks. These details are very important in aspect of placement. The welcome page also provides an option where the student can see all the student details.

After logging in as administrator, admin will be redirected to the new welcome page for admin, where he can add or edit company and student information. He will also have an option for viewing the list of students as per the eligibility criteria of the companies.

The aim of this application is to reduce the manual effort needed to manage the data. Also this application provides an interface to users to view the details like eligible students list.

**2.SCOPE**

The Placement Management system will be designed for use by colleges. Any student of particular branch can enter the details. Administrator has all rights to add or remove all details of students and companies. Also administrator can view all the students and companies details. System is provided with administrators and student’s different user id and password.

**3. REQUIREMENT SPECIFICATION**

**A. SOFTWARE SPECIFICATIONS:**

* **Windows Operating System either XP/Win7**
* **Back end: Oracle 10g**

Oracle 10g is the software designed by Oracle Corporation Ltd. for designing a database as per the requirement. Oracle provides best ways to make user comfortable designing database through its various queries.

* **Front end: Microsoft Visual Basic 6**

Microsoft Visual Basic 6 is the software provided by Microsoft for the purpose of designing graphical user interface for various applications. MS VB is best software that provides various tools for designing best GUI as front end for any database application.

**B. HARDWARE SPECIFICATIONS:**

**Processor:** INTEL CORE i3

**RAM:** 256 MB

**Hard disk:** Minimum 40 GB

## Functional Requirements Specification

This section outlines the use cases for each of the actors separately. Admin and employees are the main actors in this system.

**5.1 USE CASE**



**Brief Description**

The Admin can add, view, delete, search the company details and student details. Also he can view current consignments and Dispatch details.

Employees can add new entries for consignments and dispatches. Also he can view the list of students as per the eligibility criteria of the companies.

**Non - functional requirements**

* Usability

The system is user friendly, easy to handle and self-explanatory.

* Reliability

The system is very reliable due to the importance of data and the damages incorrect or incomplete data can do.

* Availability

The system is available 100% for the user and is used 24 hours a day and 365 days a year. The system shall be operational 24 hours a day and 7 days a week.

* Security

The System has a powerfullogin system to prevent unauthorized access.

**4. SOFTWARE DESIGN SPECIFICATIONS**

**5.1 DATA FLOW DIAGRAM:**

1. **Level 0:**

Student Details

Eligibility Student Details

Company Details

1. **Level 1:**

Log in

Student

Admin

**5. SCHEMA DEFINATIONS**

**1. Login:**

CREATE TABLE "LOGIN"

("USERNAME" VARCHAR2(4000),

"PASSWORD" VARCHAR2(4000)

);

**2.Student:**

CREATE TABLE "STUDENT"

( "PRNO" VARCHAR2(4000),

"NAME" VARCHAR2(4000),

"DOB" VARCHAR2(4000),

"GENDER" VARCHAR2(4000),

"10%" VARCHAR2(4000),

"12%" VARCHAR2(4000),

"DIPLOMA%" VARCHAR2(4000),

"BE1ST%" VARCHAR2(4000),

"BE2ND%" VARCHAR2(4000),

"BE3RD%" VARCHAR2(4000),

"BE4TH%" VARCHAR2(4000),

"BE5TH%" VARCHAR2(4000),

"BE6TH%" VARCHAR2(4000),

"BE7TH%" VARCHAR2(4000),

"BE8TH%" VARCHAR2(4000),

"AGGREGATE" VARCHAR2(4000),

"DEAD\_BACKLOG" VARCHAR2(4000),

"LIVE\_BACKLOG" VARCHAR2(4000),

"EMAIL" VARCHAR2(4000),

"CONTACT" VARCHAR2(4000),

"NATIVE" VARCHAR2(4000)

);

1. **Admin:**

CREATE TABLE "COMPANY"

( "ID" VARCHAR2(4000),

"NAME" VARCHAR2(4000),

"WEBSITE" VARCHAR2(4000),

"ADDRESS" VARCHAR2(4000),

"CONTACT" VARCHAR2(4000),

"AGGREGRATE" VARCHAR2(4000),

"DEAD\_BACKLOG" VARCHAR2(4000),

"LIVE\_BACKLOG" VARCHAR2(4000),

CONSTRAINT "COMPANY\_PK" PRIMARY KEY ("ID") ENABLE

);

**6. TEST CASES**

**7. GRAPHICAL USER INTERFACE**

**LOGIN Admin Screen:**

**LOGIN Student Screen:**

**Student Add details:**

**Company Details**

**Company Menu**

**Student Menu**

**Eligible Student List**

**8. FUTURE ENHANCEMENT**

This project is limited to a certain number of entries due to time limit and vastness. It can be enhanced by evolving into a real life system by adding more company information and its date of arrival. The project can also be enhanced by adding more security.

**9. CONCLUSION**

This project is successfully completed and works properly according to the needs this project is developed in visual basic. The system maintains data consistency by avoiding manual error. This project will help all end users as a user-friendly system.

The project is automated as hand written documentation is minimized to a bare minimum the software is fully implemented.The data can be easily backed up onto a reliable media so that no or minimal data lass is there in case of system crash.Unauthorized access to the data is nearly eliminated by providing password authentication system.

This project has made us require a professional outlook towards problem statement and solving it to the best and maximum.