**1. Introduction**

In this competitive world that we live, nothing is so easy to obtain as we grow day-by-day. As we run behind something to achieve, time plays a major role. In order to reduce the time that we require for a particular job, we search for a less time-consuming solution. Here is such a solution for placement cell management. The PLACEMENT SYSTEM project is an attempt to take the record of the students and help companies to select the students based on their average GPA and resume. Eligible students can apply for a job when the requirements of the company are satisfied

**1.1 Purpose**

The purpose of this document is to provide description of the functions of the application Placement management System which is to be built. The application is mainly for the students which help them to avail jobs and the recruiters who search for freshers . Their details are maintained in a database.

**1.2 Scope**

The project is developed on the basis of storing ,retrieving the students details and application status for the job. The recruiter will post the requirement and other details of the job. The student checks eligibility and applies for the job.The application provides the recruiter to see the resume uploaded by the student and shortlist it so that he/she can proceed further.

**1.3 Definitions, Acronyms, and Abbreviations:**

CGPA - Cumulative Grade Points Average

ID – identity

Admin-Administrator

**1.4 References**

1. [**https://www.wikipedia.org/**](https://www.wikipedia.org/)
2. **https://www.geeksforgeeks.org/**

**2. Overall description**

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**2.1 Product perspective**

The product perspective is to provide students to apply job and the recruiters to recruit the students based on the resume.The recruiters will collect the information of various companies who want to recruit students and notify students time to time about the placements.Hence the Placement Management System will maintain a huge database for the complete details of the students as well as the Companies in the Placement process which will help to save time and effort.

**2.2 Product Function:**

There are three main users of this application.They are admin,student and the recruiters.All are given unique username and password for login.They will be able to change the password if they forget it.

**Admin:**

The admin’s main job is to maintain the database which is updating the details of the college,authenticate the details of students who have updated their information/resume,update the log which has the count of students who have applied and got job for a particular company. The admin has to add the campus placement information for off-campus and on campus recruitments.

**Students:**

The students can update the details and their details will be changed once approved by the admin.They can apply for a job based on the eligibility status for a particular job posted.Student can also upload their resume and update it frequently.They can also check the status of the job for which they have applied.

**Recruiter:**

The recruiter can update the requirements of the company. He/she can shortlist students' resumes based on the companies requirements.Then he/she can mail according and update status for the job applied by the student.

**2.3 User characteristics:**

The admin must be aware about the jobs posted by the companies so that he could update in the application .The students must check frequently so that he gets the job for what he is searching for.The recruiter must know about the college and he/she must be able to shortlist the candidates for job and mail accordingly to the students.

**2.4 Assumptions and Dependency**

**3. Specific Requirements:**

**3.1 External Interface**

No hardware used so no hardware needed to be included.

**3.1.1 User interface:**

**3.1.2 Communication Interface**

**3.2 Functional Requirements:**

**The section include all the requirements that specifies the action of MANAGEMENT**

**scheme**

**3.2.1 Admin**

1. **ID:AFR**

**Title :Update details**

**Description:** updating the details of the college,authenticate the details of students who have updated their information/resume

1. **ID:AFR2**

**Titile : Job Information**

**Description:collecting and** adding the campus placement information for off-campus and on campus recruitments.

1. **ID:AFR3**

**Title : Count**

**Description : Count of the students applied and got job for a particular company is updated periodically.**

**3.2.2 Student**

1. **ID:SFR1**

**Title :Resume**

**Description:upload resume**

1. **Id:SFR2**

**Title : Status**

**Description:** They can apply for a job based on the eligibility status for a particular job posted.

1. **Id:SFR3**

**Title: details updation**

**Description:**The students can update the details and their details will be changed once approved by the admin

1. **Id:SFR4**

**Title : Job**

**Description: apply job**

**Recruiter**

1. **Id:RFR1**

**Title:Resume**

**description:**He/she can shortlist students' resumes based on the companies requirements

1. **Id:RFR2**

**Title: Requirements**

**Description:Company Requirements**

1. **Id:**

**Title:Mail**

**Description:**he/she can mail according and update status for the job applied by the student.

**3.3 Performance:**

**4. System Requirements:**

**4.1. Hardware Requirements:**

1. **Hardware -Pentium.**
2. **Speed -1.1GHZ**
3. **RAM -2GB and above**
4. **Hard disk -1TB**
5. **Keyboard -Standard Windows Keyboard(Qwerty model).**
6. **Monitor -SVGA.**

**4.2.Software Requirements:**

1. **Operating system Windows 8 above**
2. **Language - Java**
3. **IDE -Netbeans.**
4. **Database-MySql**

**4.3 Non-Functional Requirements:**

**Supportability:** The documentation of code and supporting modules of the system will be provided as Online user Documentation which is easy to understand.

**Performance Requirement:** The system information is refreshed depending upon if there are some updates have occurred in the application. The system shall respond to the request within two seconds .The view request must take 2 seconds to respond on the screenThe system can take more time for processing larger jobs.

**Efficiency Requirement:** Mean Time to Repair (MTTR) shall take no longer than an hour to recover, if there is any failure occured.

**Security Requirement:**The login mechanism should be properly managed to avoid hacking.and should not disclose any information of students to unauthorized users or the public.

**Availability Requirement:**The official registration, however, should be allowed only during office hours, in order to prevent those students who do not have Internet at home to be disadvantaged with regard to those who instead do.