**PROJECT DOCUMENT**

**ON**

**CAMPUS MANAGEMENT SYSTEM**

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SOFTWARE SPECIFICATION REQUIREMENT**INTRODUCTION**

**Campus Management System** consists of student login, company login and admin login. The project is beneficial for college students, various companies visiting the campus for recruitment and even the college placement officer. The software system allows the students to create their profiles and upload all their details including their marks onto the system. The admin can check each student details, company details, remove faulty accounts and can solve individual’s problem through messages. The system also consists of a company login where various companies visiting the college can view a list of students in that college and also their details. The software system allows students to view a list of companies who have posted for vacancy. The admin has overall rights over the system and can moderate and delete any details which not applicable to college placement rules. The system handles student as well as company data and efficiently displays all this data to respective dashboards.

**PURPOSE**

The main purpose of this project is to manage the details of college, company and students. It manages all the information about college, placement, vacancy etc. The project is totally built at administrative end and only admin can control the whole system. The objective of the project is to build an application program to reduce the manual work for managing the college, company, student, placement, job, interviews etc. It tracks all the details about the job vacancies and placement offers. This software fully integrated with college, student and company relationship management and developed in a manner that is easily manageable, time and cost relieving one from manual works. It provides automated technical screening, intellectual evaluation and electronic result declaration to conduct recruitment. It helps in many ways like saving cost, time and paperwork

**SCOPE**

It may help collecting perfect management in details. In a very short time, the collection will be simple, distinct and reasonable. It will help in current all works related to campus recruitment.

Our project aims to computerize various processes of campus recruitment. This system automates the selection process activities and also helps in various ways such as saving time and cost of selecting students and companies. The set of concepts is used to build a system for easily communication between colleges, students and companies and company can get required eligible students.

**ER-DIAGRAM**

Login

Can

Student

Test

Job

Apply

Post

Manage

Manage

Admin

Company

Update

Give

**USE CASE DIAGRAM**

Student

Admin

Company

**BENEFITS**

* Eliminate paperwork and provide a paperless environment.
* It saves both time and cost.
* Maintain individual student record.
* Maintain registered student details.
* Evaluating student performance.
* Making only eligible students to take the test.
* Allow online registration for online selection test.
* Allow online requests, help and support.
* Providing proper technical assistance to the user.

FUNCTIONAL STUDY

* **Authentication:**
* **Login:** The user can login to the Campus Management System with his/her user id and password.
* **Logout:** The user can log out from the Campus Management system.
* **Login Failure:** If the user does not exist in the database or the user has not yet being authorized.
* **Authorization:**
* **User Role Check:**- After logging in, the user role will be checked from the database and the user interface will be displayed according to their role.
* **Admin:**
* **Dashboard:** In this section, admin can see all detail in brief like Total Company Registered, Total student Registered and Total Vacancy Listed.
* **Total Registered Company:** In this section, admin can view detail of the registered company.
* **Total Registered Students:** In this section, admin can view detail of students.
* **Messages:**In this section, the admin can view and manage the messages received from students and company and can communicate by replying them.
* **Reports:** In this section admin can view how many companies have been registered in a particular period and also view how many vacancy counts listed by a particular company in particular periods.
* Admin can also update his profile, change the password and recover the password.

* **Company:**
* **Dashboard:** In this section, company can see all detail in brief like Total Number of applications received, Total number of new applications, Total number selected application, Total number of rejected applications.
* **Registration:** In this section, company can fill company details, job vacancies, role requirements and interview details.
* **Post Vacancy:** In this section, company can manage job posting (Add/Manage).
* **Job Application:** In this section, company can view total new applications receive, total sorted applications and total rejected applications and the company also have the right to sort application and reject the application and this selected and rejected message send to candidates.
* **Assessment:** In this section, company provide the test details and test link to the candidates.
* **Result:** In this section, company declare the selected candidate lists and results of individual candidates who gone through the online test process.
* **Messages:**In this section, the company can directly send message to the admin.
* **Reports:** In this section, company can view job posting in particular periods and also see how many application has been received in a particular period.
* **Student:**
* **Dashboard:** In this section, student can view his/her applied jobs, interview results etc.
* **Registration:** In this section, student can fill his/her own personal details.
* **View Vacancy:** In this section, student views the vacancy of companies and applies for the jobs and also the interview schedules.
* **Search Jobs:** In this section, student can search for jobs according to job titles.
* **Assessment:** In this section, the student can view test details and attend tests.
* **Result:** In thissection, student can view the selection list and also his/her own interview result.
* **Messages:**In this section, the student can communicate with admin through message box. He/she can send messages or add complaints.

DESIGN DOCUMENT

TABLE NAME- USER\_MAS

PK- Student ID

DESCRIPTION- Admin Profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| SL\_NO | INT | N |  | Serial No |
| User ID | VARCHAR(10) | N | PK | User Id |
| User Name | VARCHAR(30) | N |  | Name of User |
| Designation | VARCHAR(10) | N |  | Designation |
| Mobile No | VARCHAR(10) | N |  | User Mobile Number |
| Email | VARCHAR(20) | N |  | User Email |
| Password | VARCHAR(20) | N |  | Password |

TABLE NAME- MESSAGE\_MAS

PK- ID

DESCRIPTION- Message Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| SL\_NO | INT | N |  | Serial No |
| ID | VARCHAR(10) | N | PK | Id of Message Sender |
| From Name | VARCHAR(30) | N |  | Name of Message Sender |
| Mobile No | VARCHAR(10) | N |  | Sender’s Mobile Number |
| Email | VARCHAR(20) | N |  | Sender’s Email |
| Message | VARCHAR(MAX) | N |  | Message Box |
| Message Date | DATETIME | N |  | Sending Date |

TABLE NAME- STUDENT\_MAS

PK- Student ID

DESCRIPTION- Registered Student Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| SL\_NO | INT | N |  | Serial No |
| Student ID | VARCHAR(10) | N | PK | Student Id |
| Student Name | VARCHAR(30) | N |  | Name of Student |
| DOB | DATETIME | N |  | Date Of Birth |
| Gender | VARCHAR(10) | N |  | Gender of Student |
| Mobile No | VARCHAR(10) | N |  | Student Mobile Number |
| Email | VARCHAR(30) | N |  | Student Email |
| Address | VARCHAR(50) | N |  | Student Address |
| College Name | VARCHAR(20) | N |  | College Name |
| Branch | VARCHAR(10) | N |  | Branch |
| Year of Passing | DATETIME | N |  | Passing Year |
| Mark Secured | INT | N |  | Total Mark Secure |
| Percentage | FLOAT | N |  | Percentage |
| Password | VARCHAR(20) | N |  | Password |

TABLE NAME- COMPANY\_MAS

PK- Company ID

DESCRIPTION- Campus Drive Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| SL\_NO | INT | N |  | Serial No |
| Company ID | VARCHAR(10) | N | PK | Company Id |
| Company Name | VARCHAR(20) | N |  | Name of Company |
| Company Website | VARCHAR(30) | N |  | Website of Company |
| Job Location | VARCHAR(30) | N |  | Job Location |
| Vacancy | INT | N |  | Total No of Job Vacancy |
| Position | VARCHAR(20) | N |  | Job Position |
| Salary Package | VARCHAR(10) | N |  | Salary Package |
| Role Requirements | VARCHAR(50) | N |  | Role Requirements |
| Employment Type | VARCHAR(20) | N |  | Employment Type |
| Interview Date | DATETIME | N |  | Date of Interview |
| Interview Process | VARCHAR(50) | N |  | Interview Process |
| Interview Time | DATETIME | N |  | Time of Interview |
| Venue | VARCHAR(20) | N |  | Interview Location |
| Password | VARCHAR(20) | N |  | Password |

TABLE NAME- ASSESSMENT\_MAS

PK- Company ID

DESCRIPTION- Assessment Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| SL\_NO | INT | N |  | Serial No |
| Company ID | VARCHAR(10) | N | PK | Company Id |
| Company Name | VARCHAR(20) | N |  | Name Of Company |
| Interview Date | DATETIME | N |  | Date Of Interview |
| Assessment Code | VARCHAR(8) | N |  | Question Paper Code |
| Assessment Link | VARCHAR(50) | N |  | Online Test Link |

TABLE NAME- RESULT\_MAS

PK- Student ID

DESCRIPTION- Assessment Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| SL\_NO | INT | N |  | Serial No |
| Company Name | VARCHAR(20) | N |  | Name of Company |
| Student ID | VARCHAR(10) | N | PK | Student Id |
| Student Name | VARCHAR(30) | N |  | Name Of Student |
| Result Date | DATETIME | N |  | Date of Result Declaration |
| Selected Candidates | INT | N |  | No of Selected Candidates |
| Result Status | VARCHAR(10) | N |  | Result Status |

PROGRAM SPECIFICATION

**Admin Login**

|  |  |
| --- | --- |
| **Screen Name** | Login |
| **Module** | Admin |
| **Menu Reference** | Login |
| **Dependency on Module** | NA |
| **Inputs** | |
| * User ID * Password | |
| **Validation** | |
| * User ID should not blank. * Password should not blank. * Invalid User ID or password. * System locked for three wrong password entered. * Password should expire in 60 days. * Password has expired ,change the password. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Admin Dashboard. | |

**Admin Profile**

|  |  |
| --- | --- |
| **Screen Name** | Admin Dashboard |
| **Module** | Admin |
| **Menu Reference** | Profile |
| **Dependency on Module** | Login |
| **Inputs** | |
| * User ID * User Name * Designation * Gender * Mobile No * Email | |
| **Validation** | |
| * User Name should not blank. * All fields are mandatory (\*) * Could not save data at this time. * User already exist. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save successfully and Redirect to Admin Home Page. | |

**Student Login**

|  |  |
| --- | --- |
| **Screen Name** | Login |
| **Module** | Student |
| **Menu Reference** | Login |
| **Dependency on Module** | NA |
| **Inputs** | |
| * User ID * Password | |
| **Validation** | |
| * User ID should not blank. * Password should not blank. * Invalid User ID or password. * System locked for three wrong password entered. * Password should expire after passing year. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Student Dashboard. | |

**Student Registration**

|  |  |
| --- | --- |
| **Screen Name** | Student Dashboard |
| **Module** | Student |
| **Menu Reference** | Registration |
| **Dependency on Module** | Login |
| **Inputs** | |
| * Student ID * Student Name * Dob * Gender * Mobile No * Email * Address * College Name * Branch * Year of Passing * Mark Secured * Percentage | |
| **Validation** | |
| * Username should not blank. * All fields are mandatory (\*) * Could not save data at this time. * Student already exist. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save successfully and Redirect to Student Home Page. | |

**Company Login**

|  |  |
| --- | --- |
| **Screen Name** | Login |
| **Module** | Company |
| **Menu Reference** | Login |
| **Dependency on Module** | NA |
| **Inputs** | |
| * Company ID * Password | |
| **Validation** | |
| * Company ID should not blank. * Password should not blank. * Invalid User ID or password. * System locked for three wrong password entered. * Password should expire in 60 days. * Password has expired ,change the password | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Company Dashboard. | |

**Company Registration**

|  |  |
| --- | --- |
| **Screen Name** | Company Dashboard |
| **Module** | Company |
| **Menu Reference** | Registration |
| **Dependency on Module** | Login |
| **Inputs** | |
| * Company ID * Company Name * Company Website * Job Location * Vacancy * Position * Salary Package * Role Requirements * Employment Type * Interview Date * Interview Process * Interview Time * Venue | |
| **Validation** | |
| * Company Name should not blank. * All fields are mandatory (\*) * Could not save data at this time. * Company already exist. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save successfully and Redirect to Company Home Page. | |

**Message Creation**

|  |  |
| --- | --- |
| **Screen Name** | Company Dashboard , Student Dashboard |
| **Module** | Company , Student |
| **Menu Reference** | Message Creation |
| **Dependency on Module** | Login |
| **Inputs** | |
| * ID * From Name * Mobile No * Email * Message * Message Date | |
| **Validation** | |
| * From Name should not blank. * All fields are mandatory (\*) * Could not send message at this time. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save successfully and Redirect to Company or Student Home Page. | |

**Assessment Creation**

|  |  |
| --- | --- |
| **Screen Name** | Company Dashboard |
| **Module** | Company |
| **Menu Reference** | Assessment Creation |
| **Dependency on Module** | Login |
| **Inputs** | |
| * Company ID * Company Name * Interview Date * Assessment Code * Assessment Link | |
| **Validation** | |
| * Company Name should not blank. * All fields are mandatory (\*) * Could not save data at this time. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save successfully and Redirect to Company Home Page. | |

**Result Declaration**

|  |  |
| --- | --- |
| **Screen Name** | Company Dashboard |
| **Module** | Company |
| **Menu Reference** | Result Declaration |
| **Dependency on Module** | Login |
| **Inputs** | |
| * Company Name * Student ID * Student Name * Result Date * Selected Candidates * Result Status | |
| **Validation** | |
| * Company Name should not blank. * All fields are mandatory (\*) * Could not save data at this time. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save successfully and Redirect to Company Home Page. | |