**Requirement Study**

**Introduction**

Generally, now a day’s every college is conducting a placement drives to provide maximum employment for the students so conducting placement drives is not only necessary we need to make the reach of that drives to students. So this Campus Recruitment System application provides the solution. In this application the admin will the add the Coordinators, Coordinators are the persons who bring the placements to the college so when the coordinator gets logged into the application he can add the next coming drive details by giving Company Name, Departments to attend and the informatory videos and images. After adding the coordinator admin can upload the materials for students.

Students can know which type of question being asked and information about that placement. In this application, the drives which are going outside the college are not known to coordinators. So the students have an opportunity to add other placements. After adding other placements admin will see the other placements if the company is good he will not delete the details if the details are fake or company is not nice admin will delete the drive details.

**Modules:**

* Admin (Using Authentication)
* Coordinator (Using Authentication)
* Student (Using Authentication)
* Company (Using Authentication)
* Notice( Authentication Less)

**Software Requirements:**

**Operating System :** Windows 10

**Database Server :** Microsoft SQL Server-2014

**Client :** Microsoft Internet Explorer

**Tools :** Microsoft Visual Studio .Net-2019

**User Interface :** Asp.Net Core

**Code Behind :** C#.Net

**Hardware Components:**

* Processor –Core i3
* Hard Disk – 512 GB
* Memory – 4GB RAM

**Objective**

This college campus recruitment system provides options like student login, company login and an admin login. This software system provides an option to the students to create their profiles and upload all their details including their marks onto the system. The admin can check each student details and can remove faulty accounts. The system also consists of a company login where various companies visiting the college can view a list of students in that college and their respective resumes. 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 not pertaining to college placement rules. The project is beneficial for college students, various companies visiting the campus for recruitment and even the college placement officer. The system handles student as well as company data and efficiently displays all this data to respective sides.

**Scope**

The scope of this project will be limited to the following:

* Home Screen:

In home screen show a notice board in this notice board all companies and students see notices or recruitment results& four admin, coordinator ,student ,company modules are present in the home screen.

* Admin :

One of the person in the placement department is an Admin .This admin verify & accepts the registration requests of coordinator ,students and companies ,Add all placement related notices and results in the notice board .He is maintaining branch wise career or non-career students.

* **Coordinator:**

Some of the person in the placement department is a Coordinator **.**The coordinator will add the placements that belong the own college. he will add the placement by giving company name, Departments Eligible for Drive etc. He can view the placements added by him and also the other placements added by students

* Student:

All the students in the college who will attend placement they are compulsory for registration .Once register they will access for apply for college placement.

* Company:

Which companies interests for recruitment in the college they will be registration in this campus recruitment system application then they will be log in into the company module ,when they login see all the student branch wish career

or non career students details and they are send vacancy list and recruitment related information or recruitment process to the college placement coordinator.

**Benefits**

* There will be no need of putting up notice or emailing every student about the company coming in college. The students can keep updated themselves through this software.
* The company can view all students' detail and system can shortlist students according to their criteria instead of doing manually.
* There is admin login that can view and manage both students and company's account and also can put up notifications.
* Student can register online instead of going to placement department for registration.
* This system saves time and efforts.

**FUNCTIONAL STUDY**

**Functional Requirement**

* **Authentication**

Login- The admin, coordinator ,student ,company can login to the campus recruitment system with his/her username and password.

Logout- The admin, coordinator ,student ,company can log out from the campus recruitment system

Login failure- If the user does not exist in the database or the user has not yet being authorized by the campus recruitment system

* **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.

* **Process Data**

**Home:-**

In the home screen show a common notice board all coordinators ,companies ,students all seen the notice and placement reports. Only admin can add the notice and placement reports.

**Admin :-**

Accept coordinator Log in Request:-

Admin verify the coordinator and accept the Log In request.

Add Notice and Placement Reports:-

Admin add the notice and placement reports in the notice board.

Edit Student Details:-

Once Student Successfully submit the student Registration form they can’t be edit only admin can edit student Details.

Verify Company Log in Request:-

Admin verify company is original or not check all type of documents.

Verify Student Log in Request:-

Admin verify student login request it is original or fake student details.

**Coordinator:-**

Add placement Information:-

Coordinator view company vacancy information then add this placement

for Student.

Accept Company Log in Request:-

Once admin verify the login request then coordinator accept the login request.

Accept Student Log in Request:-

Once admin verify the login request then coordinator accept the login request.

**Student:-**

All the students in the college who will attend placement they are compulsory for registration .Once register they will access for apply for college placement.

Apply for Placement :-

Once Coordinator add placement notice student see the notice and apply it.

Placement Result:-

Admin add the placement result individually all the student see the results in the student module.

**Company:**

Which companies interests for recruitment in the college they will be registration in this campus recruitment system application then they will be log in into the company module ,when they login see all the student branch wish career

or non career students details and they are send vacancy list and recruitment related information or recruitment process to the college placement coordinator.

Add Vacancy Information:-

Company add the numbers of vacancy in the system and more details about

Placement date time also.

**Program Specification**

Home Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Home Screen |
| **Module** | Notice |
| **Menu Reference** |  |
| **Dependency on Module** | Admin |
| **Inputs** | |
|  | |
| **Validation** | |
|  | |
| **Process Logic** | |
|  | |
| **Output** | |
| * User can seen the notice & reports in the notice boards | |

Admin LogIn Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Admin login |
| **Module** | Admin |
| **Menu Reference** |  |
| **Dependency on Module** | Admin |
| **Inputs** | |
| * Username * Password | |
| **Validation** | |
| * Username should not blank. * All fields are mandatory (\*) * Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Admin Home Page | |

Coordinator Log In Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Coordinator login |
| **Module** | Coordinator |
| **Menu Reference** |  |
| **Dependency on Module** | Admin |
| **Inputs** | |
| * Username * Password | |
| **Validation** | |
| * Username should not blank. * All fields are mandatory (\*) * Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Coordinator Home Page | |

Company Log in Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Company login |
| **Module** | Company |
| **Menu Reference** |  |
| **Dependency on Module** | Coordinator |
| **Inputs** | |
| * Username * Password | |
| **Validation** | |
| * Username should not blank. * All fields are mandatory (\*) * Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Company Home Page | |

Student Log In Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Student login |
| **Module** | Student |
| **Menu Reference** |  |
| **Dependency on Module** | Coordinator |
| **Inputs** | |
| * Username * Password | |
| **Validation** | |
| * Username should not blank. * All fields are mandatory (\*) * Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Student Home Page | |

Coordinator Registration Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Coordinator Registration |
| **Module** | Coordinator |
| **Menu Reference** |  |
| **Dependency on Module** | Login |
| **Inputs** | |
| * Coordinator Full name * Email Id * DOB * Select Gender * Password * Address * Mobile number | |
| **Validation** | |
| * Email id should not blank. * All fields are mandatory (\*) * Could not save data at this time. * Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save Successfully and Redirect to Home Page | |

Company Registration Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Company Registration |
| **Module** | Company |
| **Menu Reference** |  |
| **Dependency on Module** | Company |
| **Inputs** | |
| * Company Full name * Hr Name * Email Id * Established * Password * Address * Mobile number | |
| **Validation** | |
| * Email id should not blank. * All fields are mandatory (\*) * Could not save data at this time. * Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save Successfully and Redirect to Home Page | |

Student Registration Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Company Registration |
| **Module** | Company |
| **Menu Reference** |  |
| **Dependency on Module** | Company |
| **Inputs** | |
| * Student Full name * Gender * Email Id * Contact no * Password * Address * Photo * DOB * Higher Qualification * Year of Passing * University * Percentage * School name * Recognize board * Percentage * +2/Diploma * Year of Passing * University * Percentage * Graduation * Year of Passing * University * Percentage * Resume * Branch * Specialization | |
| **Validation** | |
| * Email id should not blank. * All fields are mandatory (\*) * Could not save data at this time. * Must contain at least one number and one uppercase and lowercase letter, and at least 8 or more characters | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save Successfully and Redirect to Home Page | |

Add Notice or Report Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Add notice or report screen |
| **Module** | Admin |
| **Menu Reference** |  |
| **Dependency on Module** | No |
| **Inputs** | |
| * Title * Description * Date * Image | |
| **Validation** | |
| * All fields are mandatory (\*) * Choose image mandatory. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save Successfully and Redirect to Admin Add notice or report Page. | |

Add Placement Result Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Add notice or report screen |

|  |  |
| --- | --- |
| **Screen Name** | Add Placement Result |
| **Module** | Admin |
| **Menu Reference** |  |
| **Dependency on Module** | No |
| **Inputs** | |
| * Branch * Student name * Result * Company Name | |
| **Validation** | |
| * All fields are mandatory (\*) | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save Successfully and Redirect to Admin Add Placement Result Page. | |

Accept Coordinator Login Request Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Accept Coordinator Login Request |
| **Module** | Admin |
| **Menu Reference** |  |
| **Dependency on Module** | No |
| **Inputs** | |
|  | |
| **Validation** | |
|  | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Admin Verify and accept Coordinator LogIn Request and Redirect to Admin Accept Coordinator Login Request Page. | |

Verify Company Login Request Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Verify Company Login Request |
| **Module** | Admin |
| **Menu Reference** |  |
| **Dependency on Module** | No |
| **Inputs** | |
|  | |
| **Validation** | |
|  | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Admin Verify Company Log In Request and Redirect to Admin Verify Company Login Request Page. | |

Verify Student Login Request Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Verify Student Login Request |
| **Module** | Admin |
| **Menu Reference** |  |
| **Dependency on Module** | No |
| **Inputs** | |
|  | |
| **Validation** | |
|  | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Admin Verify Student Log In Request and Redirect to Admin Verify Company login Request Page. | |

Add Placement Information Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Add Placement Information |
| **Module** | Coordinator |
| **Menu Reference** |  |
| **Dependency on Module** | Company |
| **Inputs** | |
| * Title * Description * Date * Image | |
| **Validation** | |
| * All fields are mandatory (\*) * Choose image mandatory. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save Successfully and Redirect to Coordinator Page. | |

Accept Company Login Request Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Accept Company Login Request |
| **Module** | Coordinator |
| **Menu Reference** |  |
| **Dependency on Module** | Admin |
| **Inputs** | |
|  | |
| **Validation** | |
|  | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Coordinator Accept Company Log In Request and Redirect to Coordinator Accept Company Login Request Page. | |

Accept Student Login Request Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Accept Student Login Request |
| **Module** | Coordinator |
| **Menu Reference** |  |
| **Dependency on Module** | Admin |
| **Inputs** | |
|  | |
| **Validation** | |
|  | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Coordinator Accept Student Log In Request and Redirect to Coordinator Accept Student Login Request Page. | |

Add Vacancy Information:-

|  |  |
| --- | --- |
| **Screen Name** | Add Vacancy Information |
| **Module** | Company |
| **Menu Reference** |  |
| **Dependency on Module** | No |
| **Inputs** | |
| * Job Title * Description * Date of Recruitment * Image * No of Vacancy | |
| **Validation** | |
| * All fields are mandatory (\*) * Choose image mandatory. | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Data save Successfully and Redirect to Company Page. | |

Apply for Placement Screen:-

|  |  |
| --- | --- |
| **Screen Name** | Apply for Placement |
| **Module** | Student |
| **Menu Reference** |  |
| **Dependency on Module** | Coordinator |
| **Inputs** | |
|  | |
| **Validation** | |
|  | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Student view the placement details & Apply for placement and Redirect to student homePage. | |

**DESIGN DOCUMENT**

TABLE NAME- ADMIN

PK- Admin-id

FK-Student-id

DESCRIPTION- Admin information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| Admin id | INT | NOT-NULL | PK | Admin id |
| Student id | INT | N | FK | User Id |
| Admin Name | VARCHAR(40) | N |  | Name of Admin |
| Email id | VARCHAR(10) | N |  | User name |
| Password | VARCHAR(20) | N |  | Password |

TABLE NAME- Result

PK- Student-id

DESCRIPTION- Admin add the placement result

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| Student id | INT | NOT-NULL | PK | Student id |
| Branch | VARCHAR(20) | N |  | Name of Branch |
| Student Name | VARCHAR(40) | N |  | Name of Student |
| Result | VARCHAR(20) | N |  | Student Placement Result |
| Company | VARCHAR(20) | N |  | Name of Company |

TABLE NAME- Notice

DESCRIPTION- Admin add notice and Report in the notice board

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| Notice no | INT | N |  | Notice No |
| Title | VARCHAR(20) | N |  | Notice title |
| Description | VARCHAR(40) | N |  | Notice Description |
| Date | Date | N |  | Notice Date |
| Image | Image | N |  | Report image |

TABLE NAME- Coordinator\_Reg

PK- Coordinator\_id

FK-Admin\_id

DESCRIPTION- Coordinator Registration

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| C\_id | INT | Not null | PK | Coordinator\_id |
| Name | VARCHAR(20) | N |  | Coordinator Name |
| Email id | VARCHAR(20) | N |  | Coordinator email id |
| Date of Birth | DATE | N |  | Coordinator Date of Birth |
| Select Gender | VARCHAR(10) | N |  | Coordinator Gender |
| Password | VARCHAR(20) | N |  | Password |
| Address | VARCHAR(40) | N |  | Coordinator Address |
| Mobile no | Number | N |  | Coordinator Mobile no |
| Admin\_id | INT | N | FK | Admin\_id |

TABLE NAME- Placement

FK:- Company id

DESCRIPTION- Coordinator add the placement notice

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| Company\_id | INT | N | FK | Company id |
| Job Title | VARCHAR(20) | N |  | Job title |
| Description | VARCHAR(40) | N |  | Job Description |
| Date of Placement | Date | N |  | Date of Placement |
| Image | Image | N |  | Placement Related Image |

TABLE NAME- Company\_Reg

PK- Coordinator\_id

FK-Admin\_id

DESCRIPTION- Company Registration

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| Company\_id | INT | Not null | Pk | Company id |  | INT | Not null | Pk | Company id |
| Name | VARCHAR(20) | N |  | Company Name |
| Email id | VARCHAR(20) | N |  | Company username |
| Established | DATE | N |  | Company establish date |
| HR name | VARCHAR(20) | N |  | HR name |
| Password | VARCHAR(20) | N |  | Password |
| Address | VARCHAR(40) | N |  | Company Address |
| Admin | INT | N | FK | Admin id |

TABLE NAME- Vacancy

PK:- Company id

FK:- Coordinator\_id

DESCRIPTION- Coordinator add the placement notice

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| Company\_id | INT | Not null | PK | Company id |
| Job Title | VARCHAR(20) | N |  | Job title |
| Description | VARCHAR(40) | N |  | Job Description |
| Date of Recruitment | Date | N |  | Date of Recruitment |
| Image | Image | N |  | Placement Related Image |
| No of vacancy | Number | N |  | No of vacancy in company |
| C\_id | INT | N | FK | Coordinator\_id |

TABLE NAME-Student\_Reg

PK- St\_id

DESCRIPTION- Student Registration table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| St\_id | INT | Not null | PK | Student id |
| Name | VARCHAR(20) | N |  | Student Name |
| Gender | VARCHAR(10) | N |  | Student Gender name |
| Email | VARCHAR(20) | N |  | Username |
| Contact\_no | Number | N |  | Student contact no |
| Address | VARCHAR(40) | N |  | Student address |
| Password | VARCHAR(20) | N |  | Password |
| Photo | Image | N |  | Student Photo |
| DOB | Date | N |  | Student date of birth |
| Higher\_qualification | VARCHAR(20) | N |  | Higher Qualification |
| Year of passing | VARCHAR(10) | N |  | Year of passing |
| H\_University | VARCHAR(20) | N |  | University |
| H\_Persentage | Number | N |  | Persentage |
| HSC | VARCHAR(20) | N |  | School name |
| Year of passing | VARCHAR(10) | N |  | Year of passing |
| S\_bord | VARCHAR(20) | N |  | Recognize Bord |
| S\_Persentage | Number | N |  | Persentage |
| +2/Diploma | VARCHAR(20) | N |  | College name |
| Year of passing | VARCHAR(10) | N |  | Year of passing |
| C\_bord | VARCHAR(20) | N |  | Recognize Bord |
| C\_Persentage | Number | N |  | Persentage |
| Graduation | VARCHAR(20) | N |  | college name |
| Year of passing | VARCHAR(10) | N |  | Year of passing |
| G\_University | VARCHAR(20) | N |  | University name |
| G\_Persentage | Number | N |  | Persentage |
| Branch | VARCHAR(10) | N |  | Student Branch Name |
| Resume | VARCHAR(100) | N |  | Student Resume |
| Specialization | VARCHAR(20) | N |  | Student Specialization |

TABLE NAME-Student\_Details

FK- St\_id

DESCRIPTION- Student Details table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | NULL? | KEY | Description |
| St\_id | INT | N | FK | Student id |
| Name | VARCHAR(20) | N |  | Student Name |
| Email | VARCHAR(20) | N |  | Username |
| Contact\_no | Number | N |  | Student contact no |
| Address | VARCHAR(40) | N |  | Student address |
| Photo | Image | N |  | Student Photo |
| DOB | Date | N |  | Student date of birth |
| Higher\_qualification | VARCHAR(20) | N |  | Higher Qualification |
| Year of passing | VARCHAR(10) | N |  | Year of passing |
| H\_University | VARCHAR(20) | N |  | University |
| H\_Persentage | Number | N |  | Persentage |
| HSC | VARCHAR(20) | N |  | School name |
| Year of passing | VARCHAR(10) | N |  | Year of passing |
| S\_bord | VARCHAR(20) | N |  | Recognize Bord |
| S\_Persentage | Number | N |  | Persentage |
| +2/Diploma | VARCHAR(20) | N |  | College name |
| Year of passing | VARCHAR(10) | N |  | Year of passing |
| C\_bord | VARCHAR(20) | N |  | Recognize Bord |
| C\_Persentage | Number | N |  | Persentage |
| Graduation | VARCHAR(20) | N |  | college name |
| Year of passing | VARCHAR(10) | N |  | Year of passing |
| G\_University | VARCHAR(20) | N |  | University name |
| G\_Persentage | Number | N |  | Persentage |
| Branch | VARCHAR(10) | N |  | Student Branch Name |
| Resume | VARCHAR(100) | N |  | Student Resume |
| Specialization | VARCHAR(20) | N |  | Student Specialization |