



APPROVAL and Compulsory Review LIST		
Role	Name	Date
Guide/ In-charge	Mr. Sayyed Usman Ahmed	10/11/2022

### Version Tracking

Date	Version	Comments	Author
10/11/2022	1.0	INITIAL DRAFT SDD	LOVISH VARSHNEY BHUMIKA SHARMA

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## **1.0 Introduction**

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The management of Training and Placement is supported by paper-based systems, databases, spreadsheets and E-mail communications. Training and Placement is the crucial component of every educational institute where majority of the work till now is being done manually. The project aims at developing an application called Training and Placement Management System ZHCET AMU (TPMSZ). The project will include minimum manual work and maximum optimization, security and abstraction. This is a web application for the Training and Placement Office (TPO) department to manage the student information and activities related to placement. It enables student to register online and upload their academic and personal details.

They will have their portal to update information as necessary and can view recent and upcoming job postings on their dashboard. Whereas, the placement officers will be able to utilize it to manage the student's data as well as the hiring company's data concerning the available jobs.

The benefits of the system will be to provide enhanced facilities and assemble all the placement related tasks carried out on various platforms to a single application. This will provide an accurate channel between placement authority and students will reduce repetitious work that has got to be administered. Additionally, email alerts can be provided to students in case if any new activity takes place which ensures that no important announcement is missed.

## 2.0 Functional Description

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### [1] Register:

Users can input email-id, password, name, mobile number, address, etc. details to create a new account and click on the register button. The system will create a user account and stores the required information.

### [2] Login:

Initiated when a user attempts an action that is restricted. The user is then prompted to enter in their username and password to proceed.

### [3] Logout:

User has an option to logged-out from the system if they wish to. Users can again login into their accounts by providing correct credentials.

### [4] Student Dashboard:

Users/students can edit their profile details such as educational details, personal details and cv/resume, etc.

### [5] Recruiter Dashboard:

Users/recruiters can add their company details and package-related information.

### [6] ADD/EDIT/DELETE Job description to site:

Users can add or edit the job description for the recruitment with the eligibility criteria and registration form for the job.

### **[7] Register to available opportunities:**

Users/students can apply to the ongoing job opportunity either by clicking on apply button or filling up the registration form.

### **[8] Management of ongoing opportunities:**

Admin manages the ongoing opportunities details provided to the students.

### **[9] Send Email to ADMIN:**

Users can send emails to the admin regarding any query related to the recruitment and for further inquiry about the placement.

### **[10] Notification display:**

Users can display notification on site related to some extra-curricular activities such as hackathon, other internship opportunities.

### **[11] Management of eligibility criteria:**

Admin can provide information about the eligibility criteria for the students to appear in the recruitment process of a particular company.

### **[12] Search opportunity:**

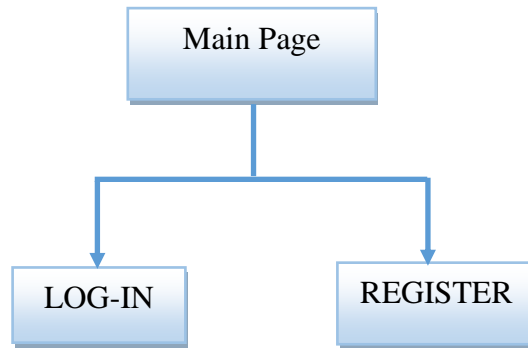
Users can able to search the available opportunities.

### **[13] Manage Student & company database:**

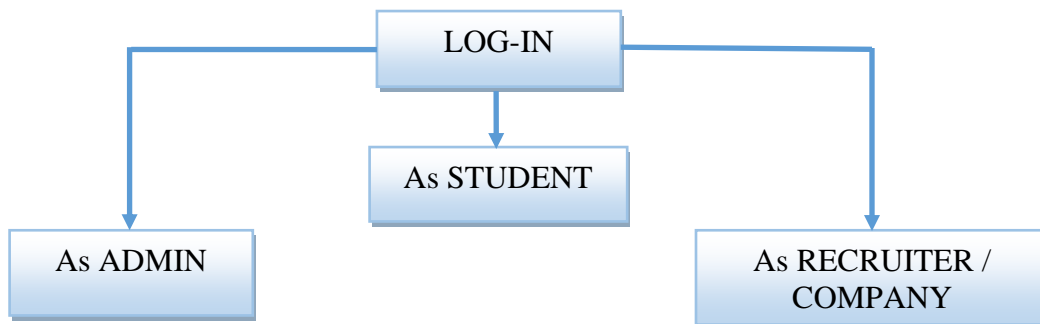
Admin has to manage the student information regarding the placement i.e., how many students are placed or not? and company database and some of the required details that are necessary at the time of any discrepancy.

## **FUNCTIONAL BODY DIAGRAM:**

### **[1] Website Portal:**



### **[2] Log-in:**



### **[3] Register:**



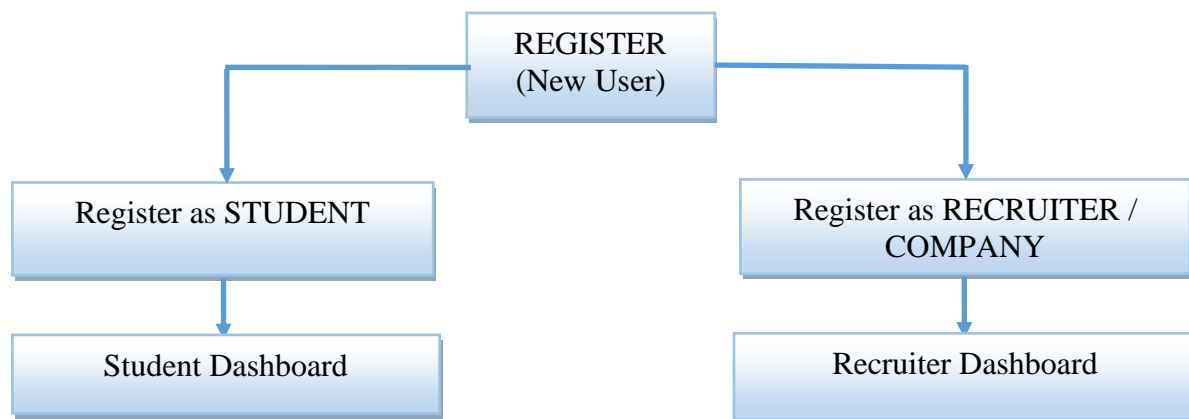
## 3.0 Functional Partitions

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### 3.1 Module Name: REGISTRATION

This module allows the new users (students/recruiter) to register on the website for making the use of Training and Placement Management System of Aligarh Muslim University. And for already registered users there is no need of registration again and again. Users (Students/Recruiter) have to provide some of the information in order to create a new account.

#### 3.1.1 Functional Block Diagram



#### 3.1.2 Module Dependencies

3.1.2.1 *Input Dependencies*  
NA

3.1.2.2 *Output Dependencies*

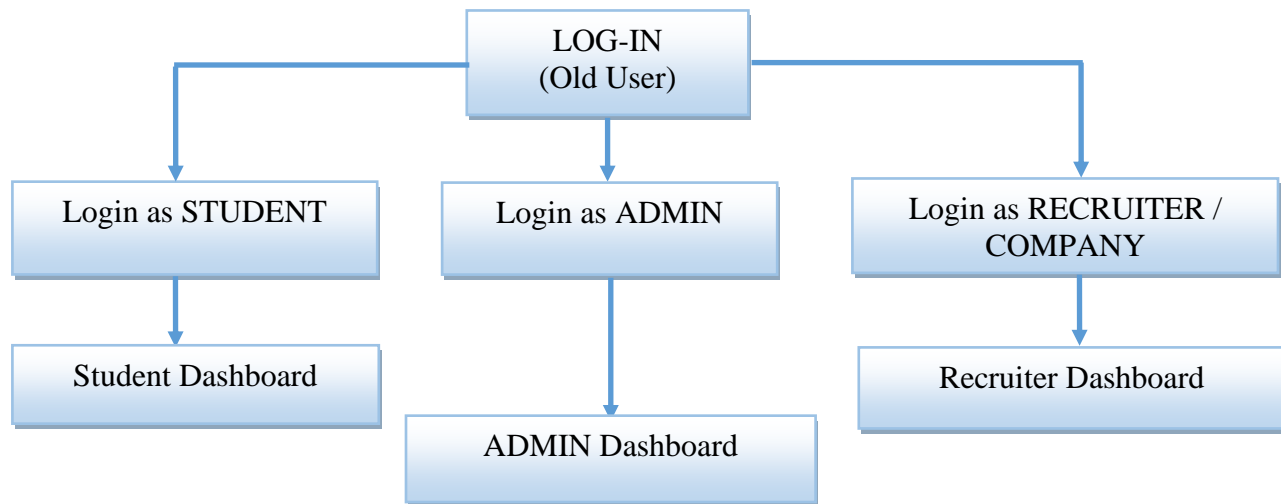
Module	Data	Description
NA		



### 3.2 Module Name: LOG-IN

This module allows the users (students/admin/recruiter) to log-in into their account. Users (students/admin/recruiter) can view their respective dashboards after the successful login.

#### 3.2.1 Functional Block Diagram



#### 3.2.2 Module Dependencies

3.2.2.1 *Input Dependencies*  
NA

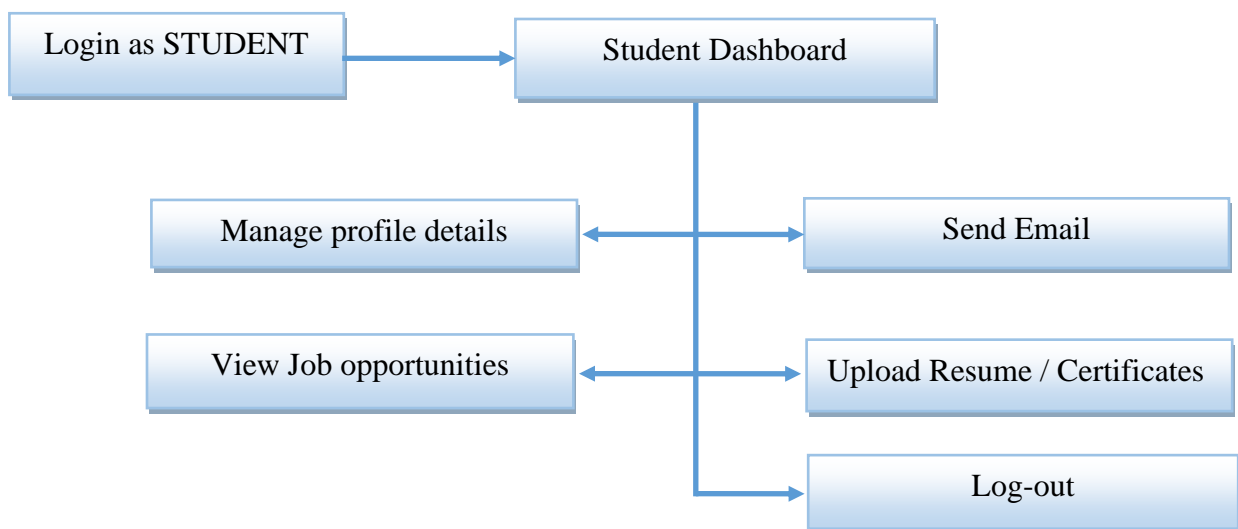
3.2.2.2 *Output Dependencies*

Module	Data	Description
NA		

### 3.3 Module Name: LOG-IN as STUDENT

This module allows the students to log-in into their respective accounts so that he/she will use the functionalities provided by the TPMSZ Admin for the registered users. Students can view their dashboard, so that they can do the following things like: completing/updating their profiles, upload the necessary documents, see the information the upcoming / ongoing career opportunities, etc.

#### 3.3.1 Functional Block Diagram



#### 3.3.2 Module Dependencies

3.3.2.1 *Input Dependencies*  
NA

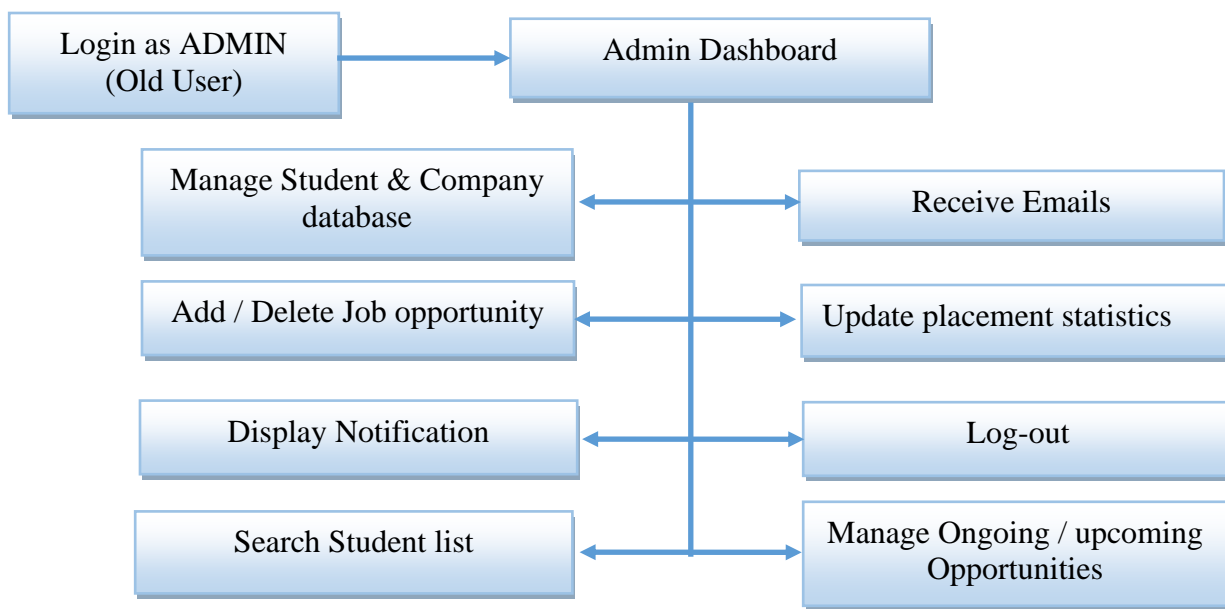
3.3.2.2 *Output Dependencies*

Module	Data	Description
NA		

### 3.4 Module Name: LOG-IN as ADMIN

This module allows the admin to log-in into their account. Admin has the various responsibilities such that: he/she has to responsible for maintaining the database of student's profile and the company's profile. Admin is able to notify messages over the website i.e., related to the upcoming, ongoing job opportunities or any academic related career opportunity. He / she is responsible for the management of eligibility of students for applying in an on-campus job opportunity, etc.

#### 3.4.1 Functional Block Diagram



#### 3.4.2 Module Dependencies

##### 3.4.2.1 Input Dependencies

NA

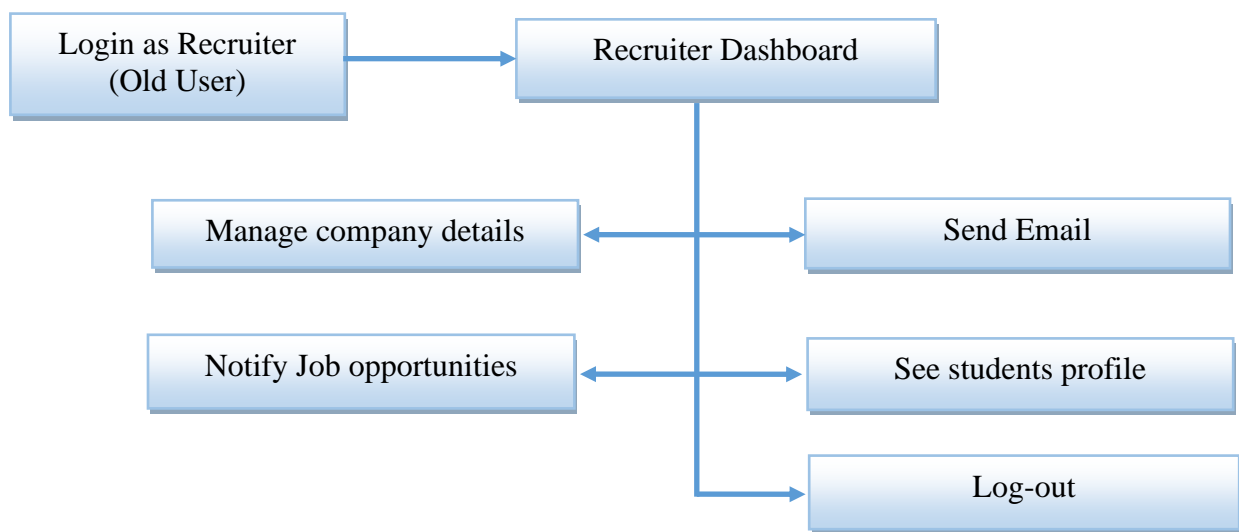
##### 3.4.2.2 Output Dependencies

Module	Data	Description
NA		

### 3.5 Module Name: LOG-IN as RECRUITER

This module allows the recruiters to log-in into their account so that he/she will use the functionalities provided by the TPMSZ admin for the registered panel. Users (recruiters) can view the student's profile who applied / applies for an ongoing job opportunity. They can also directly contact to our placement cell for these things, etc.

#### 3.5.1 Functional Block Diagram



#### 3.5.2 Module Dependencies

3.5.2.1 *Input Dependencies*  
NA

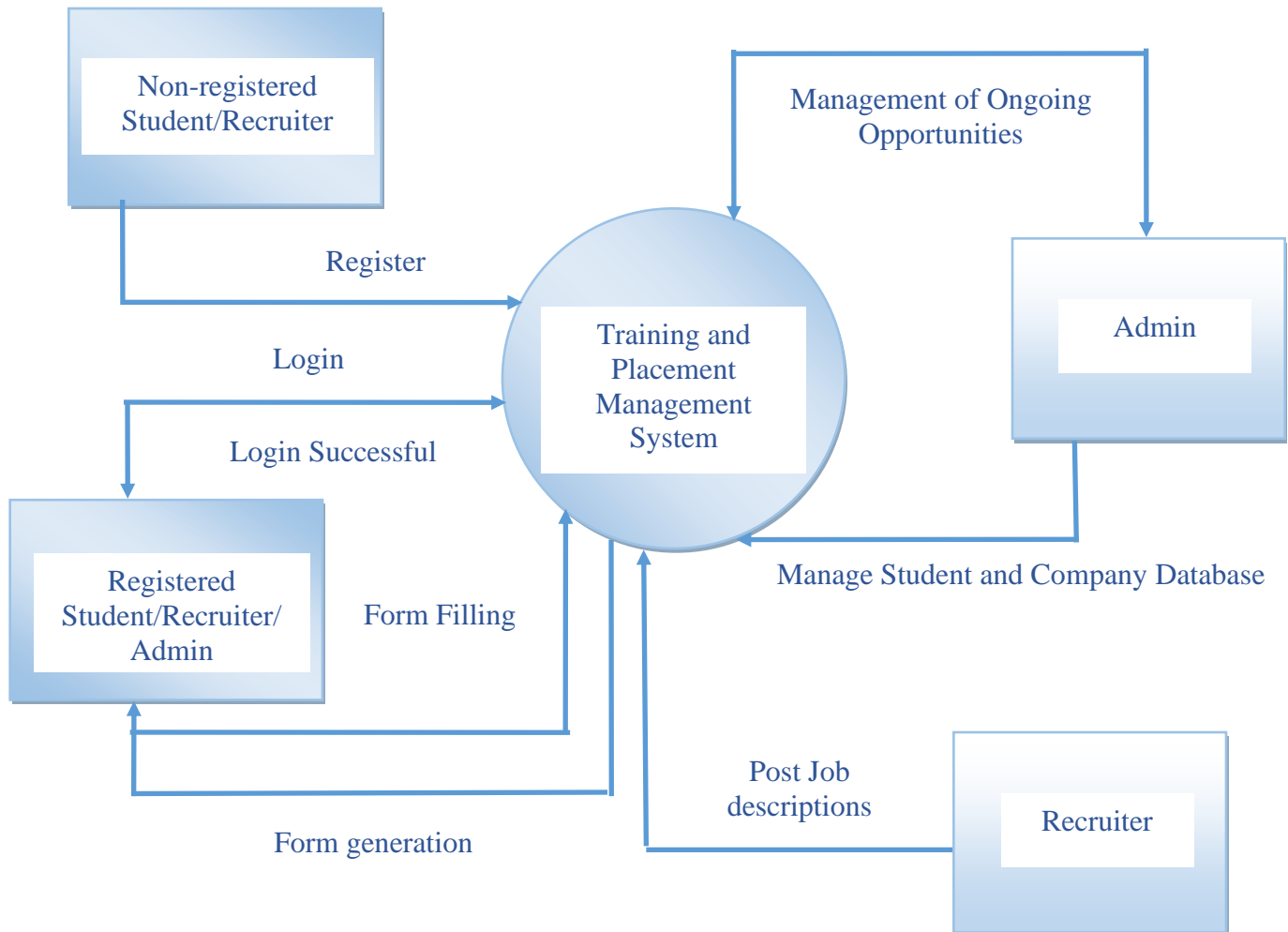
3.5.2.2 *Output Dependencies*

Module	Data	Description
NA		

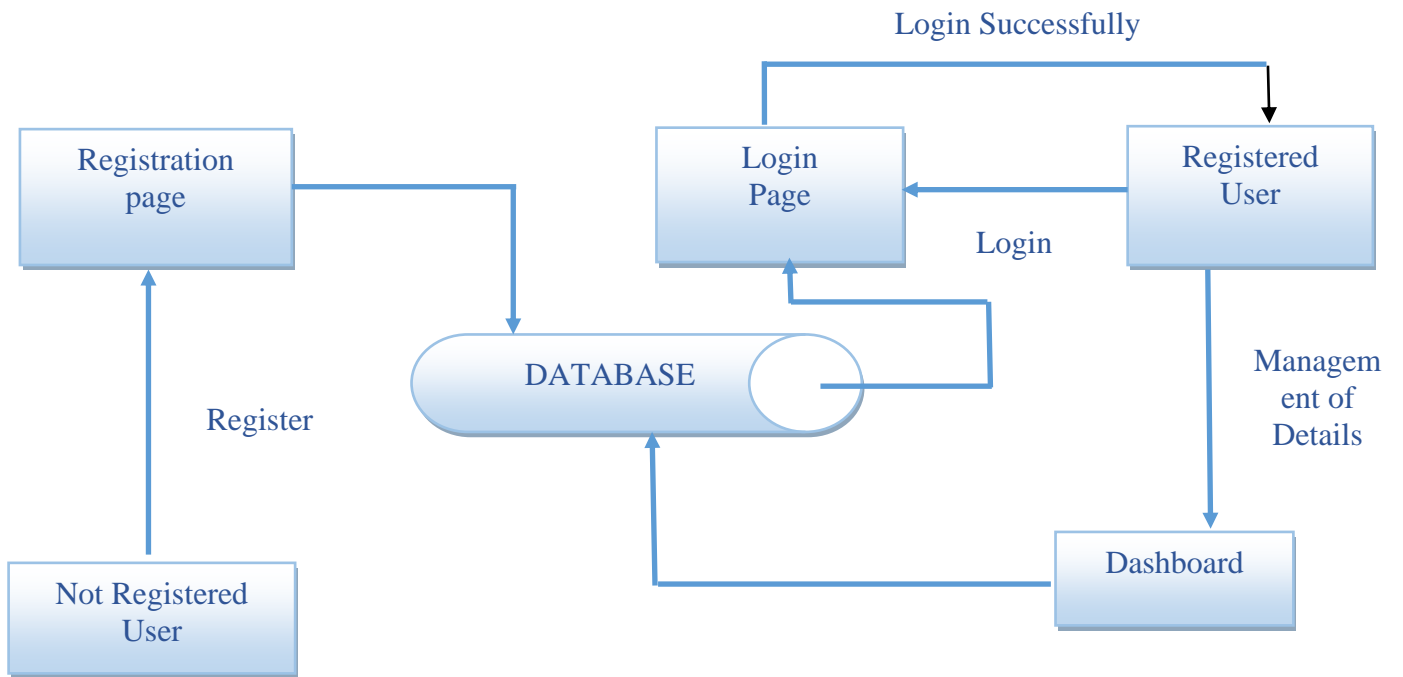
## 4.0 DATA DESCRIPTION

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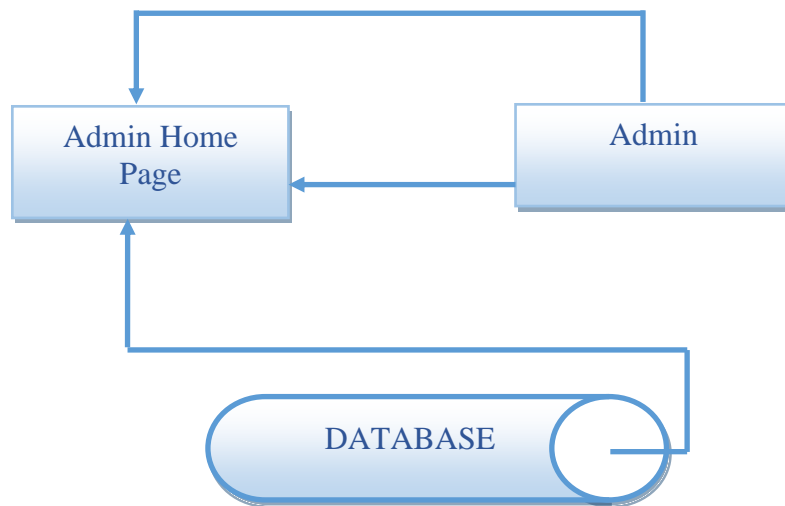
### 4.1 Data Flow Diagram



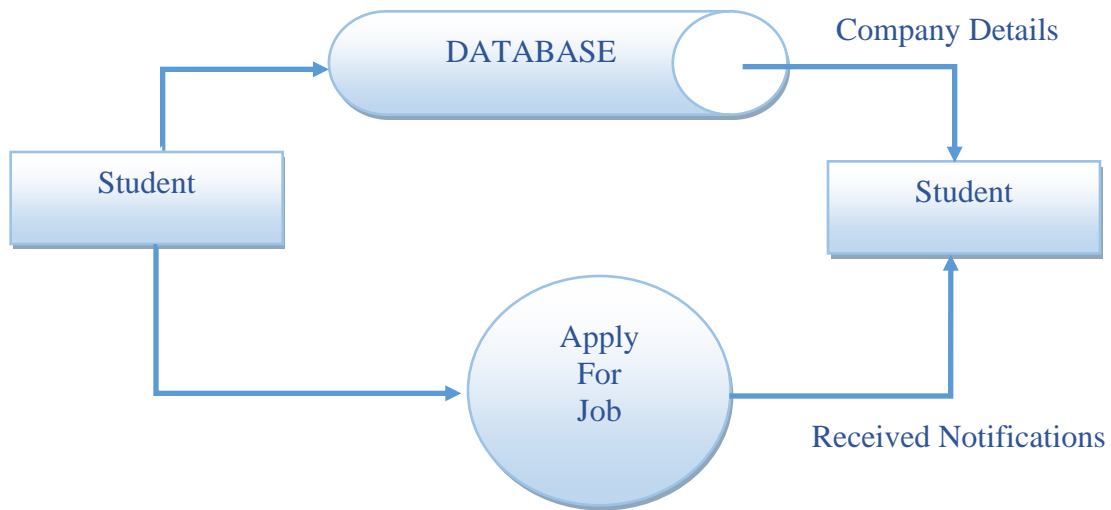
#### 4.1.1 0-level DFD



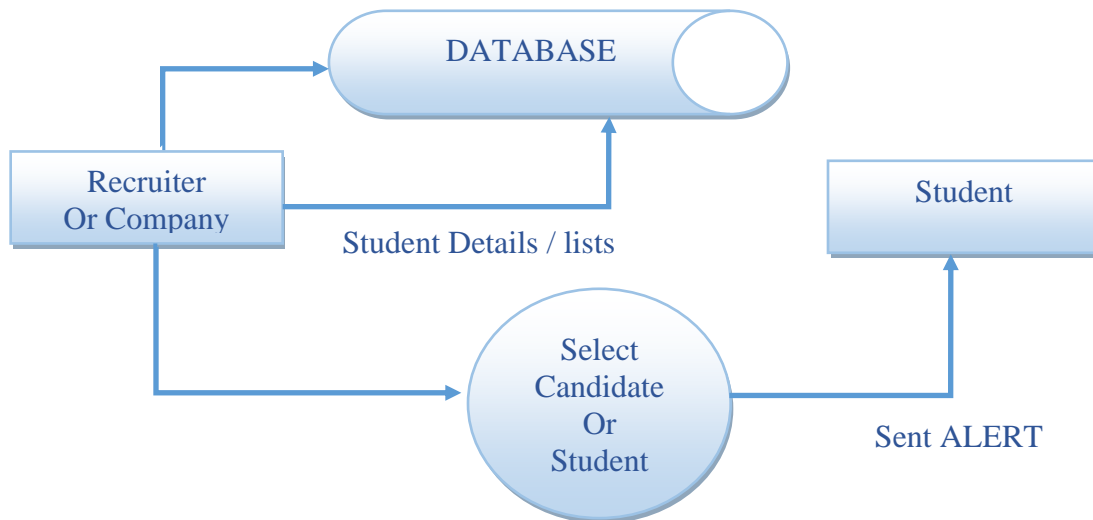
#### 4.1.2 1-level DFD for student/recruiter login and registration



#### 4.1.3 1-Level DFD for admin



#### 4.1.4 1-Level DFD for Recruitment process of student



#### 4.1.5 1-Level DFD for Recruitment/view process by Company/Recruiter

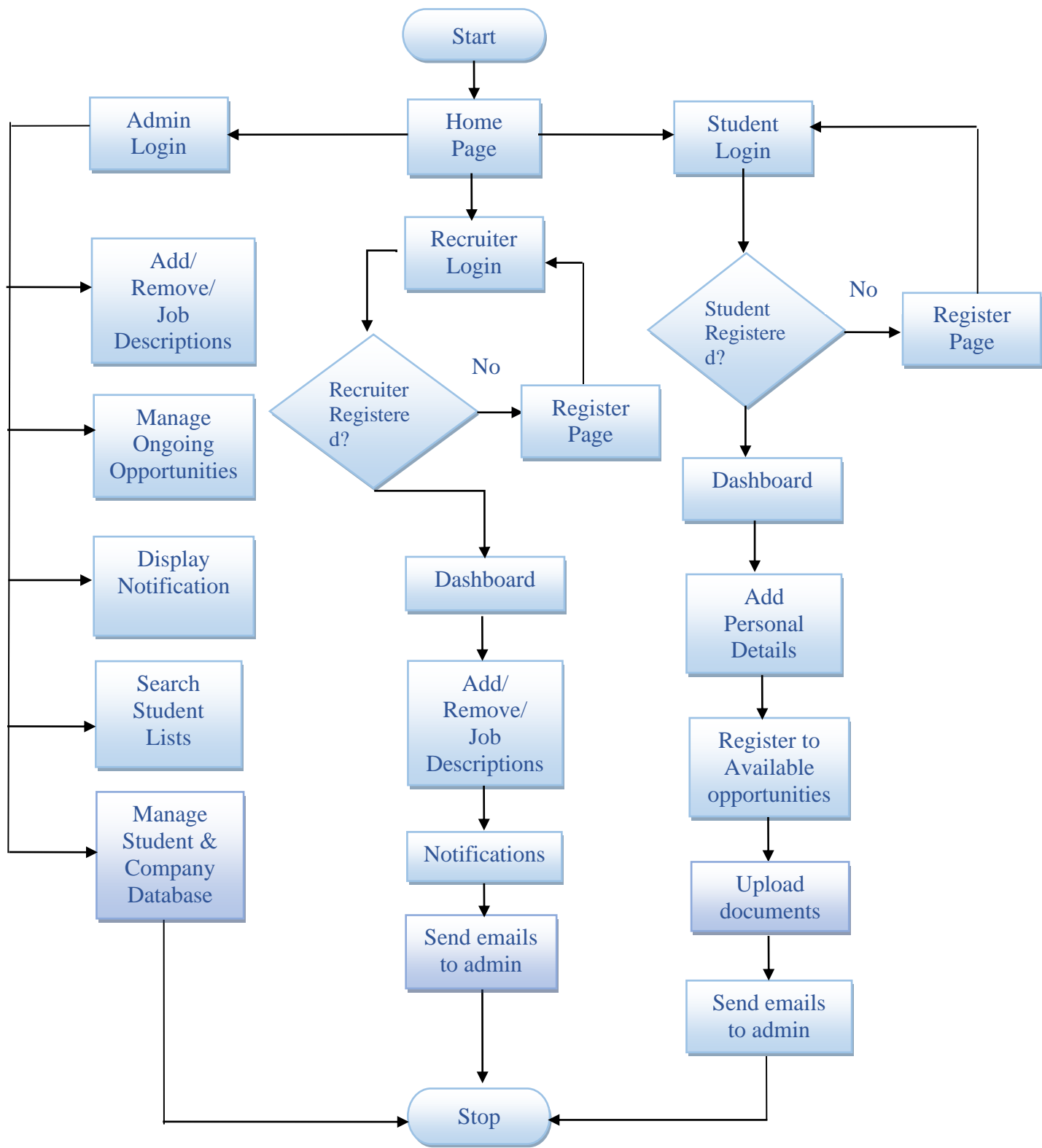
#### **4.2 Data structures used**

NA

#### **4.3 Constant Definition**

NA

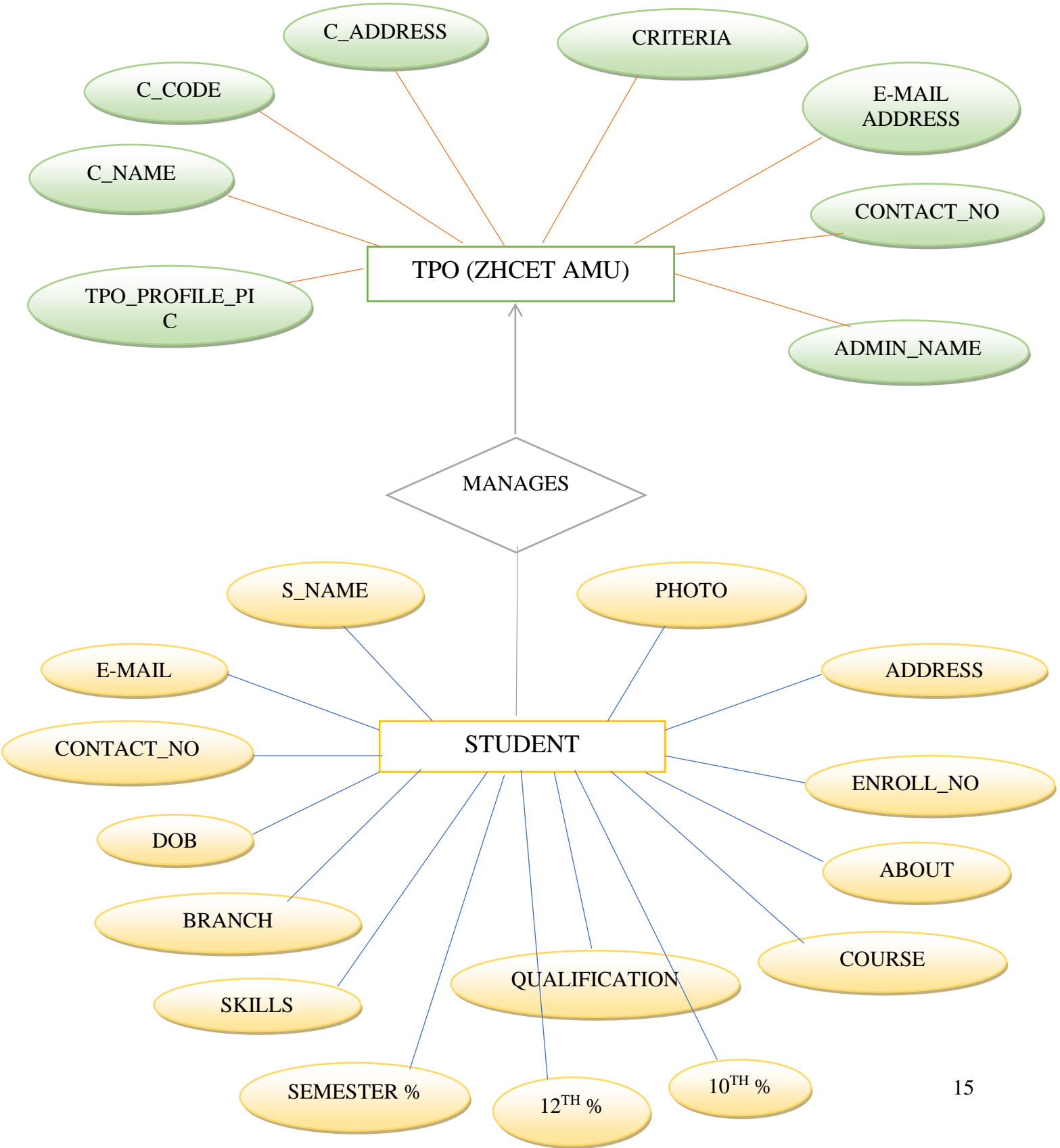
4.4 Flow Chart



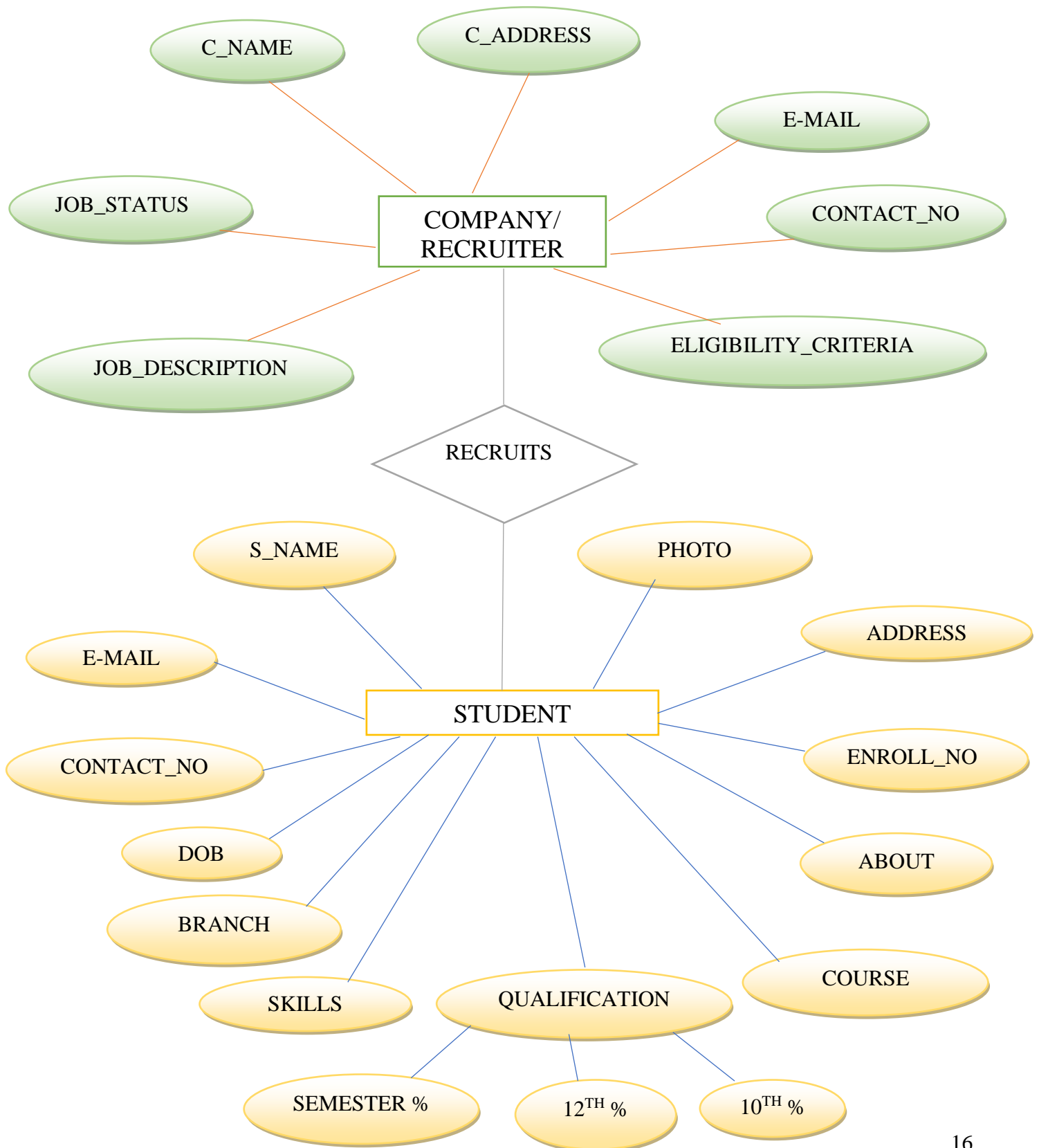


4.5 Entity Relationship Diagram

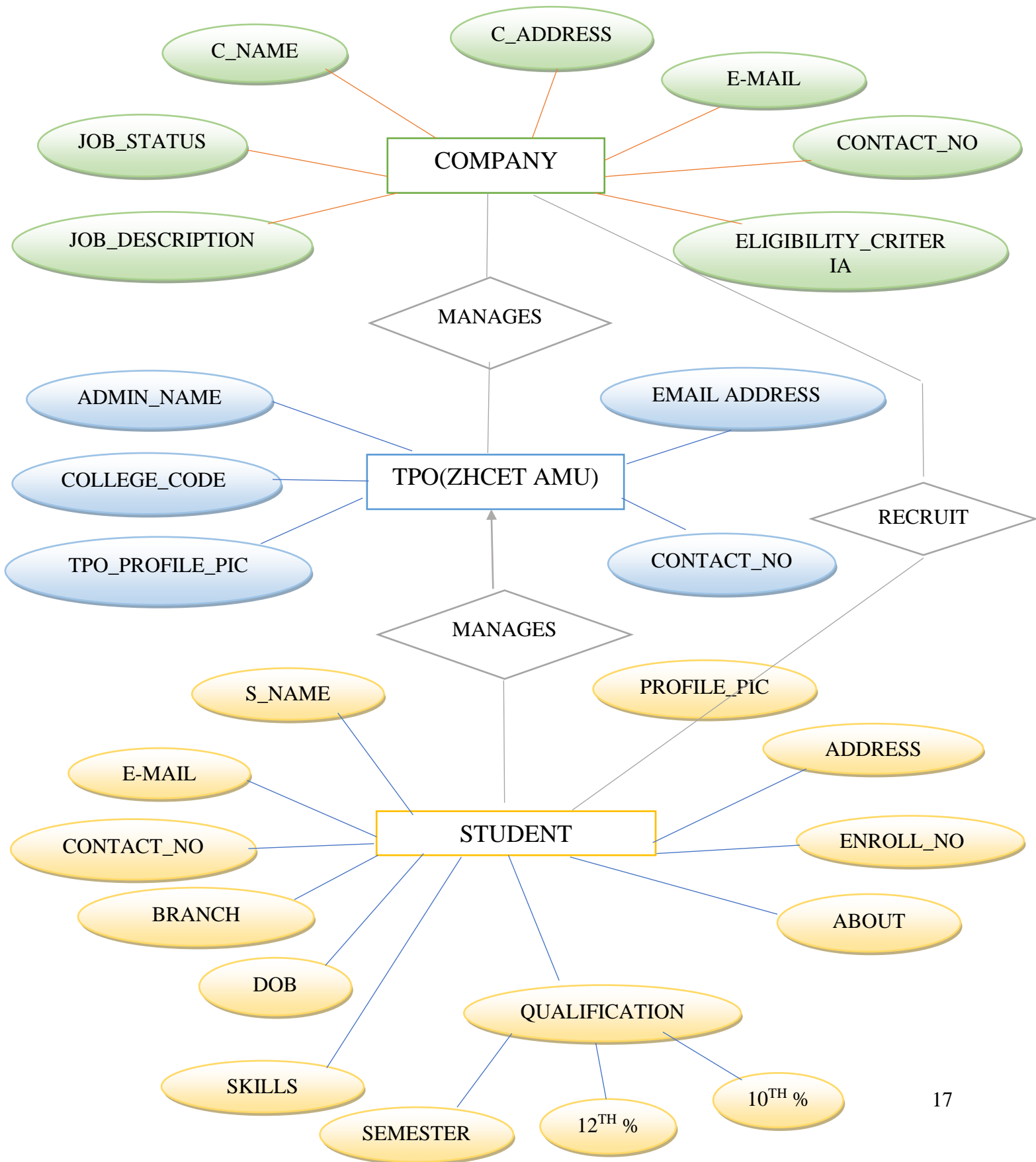
4.5.1 In-Campus (ER Diagram)



#### 4.5.2 Off-Campus(ER Diagram)



#### 4.5.3 Pool Campus (ER-Diagram)



## 4.6 Database Description

### 4.6.1 Table Name: User\_Registration

It stores the user information like name, email-address and password and registered this user in the system.

Field Name	Data Type	Description
id	Integer	Gives the serial number and is the primary key of the table.
Name	VARCHAR	Stores the name of the user.
Email Address	VARCHAR	Stores the email-address of the user.
Password	VARCHAR	Stores the password provided by the user.

### 4.6.2 Table Name: Student\_Profile

It stores all the personal and academic details of the students.

Field Name	Data Type	Description
id	Integer	Gives the serial number and is the primary key of the table.
Enrollment-No	VARCHAR	Stores the enrollment number of the student.
Name	VARCHAR	Stores the name of the student.
Email Address	VARCHAR	Stores the email-address of the student.
Address	VARCHAR	Stores the address of the student.
DOB	DATE TIME	Stores the date of birth of the student.
City	VARCHAR	Stores the city of the student.
Pin code	VARCHAR	Stores the pin code of the student 'city.
Gender	VARCHAR	Stores the gender of the student.
Branch	VARCHAR	Stores the branch of the student.
Course	VARCHAR	Stores the course of the student.
Percentage	Integer	Stores the present percentage

		of the student.
About	VARCHAR	Stores the description about the student.

#### 4.6.3 Table Name: Upload\_documents

It stores all the academic documents and cv/resume of the students.

Field Name	Data Type	Description
id	Integer	Gives the serial number and is the primary key of the table.
Photo	Image	Stores the photo of the student.
CV/Resume	VARBINARY	Stores the cv/resume of the student.
10 <sup>th</sup> Marksheet	VARBINARY	Stores the 10 <sup>th</sup> Marksheet of the student.
12 <sup>th</sup> Marksheet	VARBINARY	Stores the 12 <sup>th</sup> Marksheet of the student.
Upload Certificate	VARBINARY	Stores the upload certificate document of the student

#### 4.6.4 Table Name: Admin

It stores all the information regarding the admin and their activities.

Field Name	Data Type	Description
id	Integer	Gives the serial number and is the primary key of the table.
Name	VARCHAR	Stores the name of the user.
Email Address	VARCHAR	Stores the email-address of the user.
Password	VARCHAR	Stores the password provided by the user.

#### 4.6.5 Table Name: Company\_Profile

It stores all the information regarding the company.

Field Name	Data Type	Description
id	Integer	Gives the serial number and is the primary key of the table.
Name	VARCHAR	Stores the name of the company.
Email Address	VARCHAR	Stores the email-address of the student.
Criteria	VARCHAR	Stores the class of the company.
Branch	VARCHAR	Stores the eligible branches of students for the company recruitment.
Web address	VARCHAR	Stores the web address of the company.
Job Description	VARCHAR	Stores the description about the job recruitment of the company.

#### 4.6.6 Table Name: Opportunities

It stores all the ongoing opportunities for the students.

Field Name	Data Type	Description
id	Integer	Gives the serial number and is the primary key of the table.
Name	VARCHAR	Stores the name of the opportunity.
Last date of Registration	DATE TIME	Stores the last date of registration for students.
Criteria	VARCHAR	Stores the class of the company.
Branch	VARCHAR	Stores the eligible branches of students for the company recruitment.
Exam Date	DATE TIME	Stores the exam date for recruitment.
Exam Rules	VARCHAR	Stores the rules and regulation about the job recruitment examination of the company.

## 5.0 USER INTERFACE DESIGN

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### 5.1 Registration Page:

### Register

 or [login](#)

☒ Student ☐ Company

First Name

Naushin

UIN Number

171P032

Gender

Female

Department

Computer

Current Address

Bandra

Password

\*\*\*\*\*

Upload Profile

Last Name

Khan

Phone Number

\*\*\*\*\*

Email

naushin123@gmail.com

Program

Final Year

Home Address

Bandra

Confirm Password

\*\*\*\*\*

Upload resume

### 5.2 Login Page:

### Login

 or [register](#)

☒ Student ☐ Company

Student email

naushin123@gmail.com

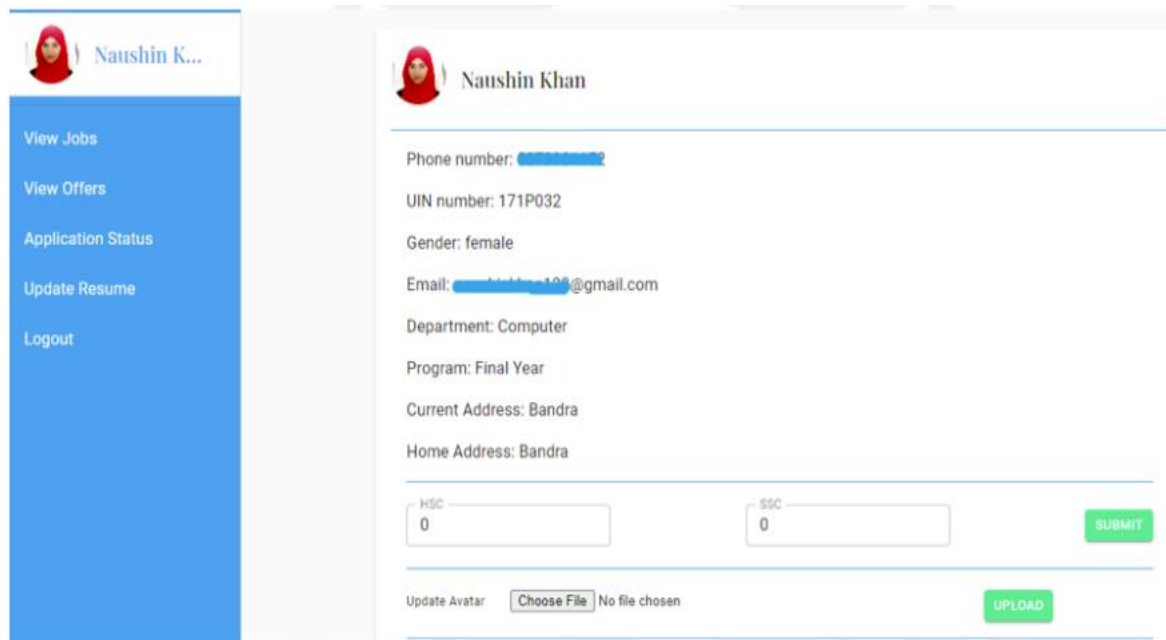
Password

\*\*\*\*\*

UnAuthorize

SUBMIT

### 5.3 Student Dashboard:



Naushin K...

View Jobs

View Offers

Application Status

Update Resume

Logout

Naushin Khan

Phone number: [REDACTED]

UIN number: 171P032

Gender: female

Email: [REDACTED]@gmail.com

Department: Computer

Program: Final Year

Current Address: Bandra

Home Address: Bandra

HSC: 0

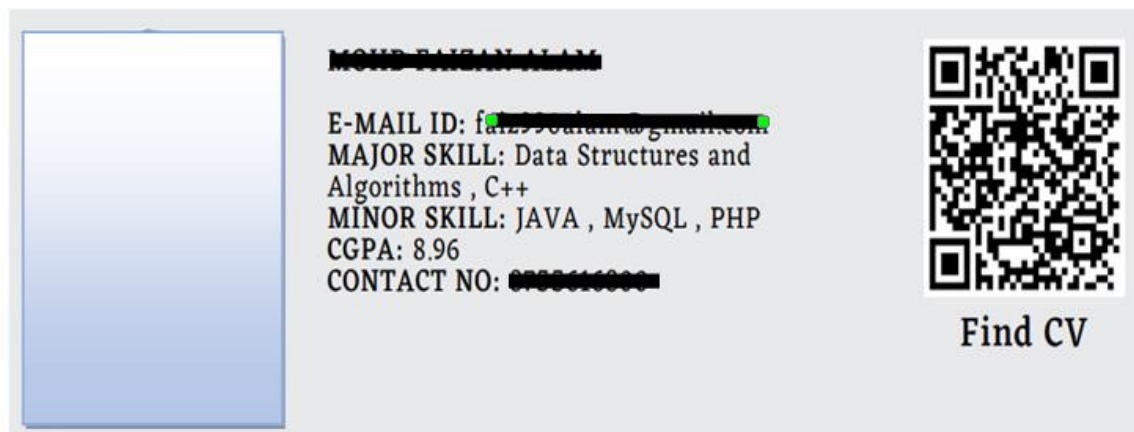
SSC: 0

SUBMIT

Update Avatar: Choose File No file chosen

UPLOAD

### 5.4 Student Profile:



**MOHD RIZWAN ALAM**

E-MAIL ID: [REDACTED]

MAJOR SKILL: Data Structures and Algorithms , C++

MINOR SKILL: JAVA , MySQL , PHP

CGPA: 8.96

CONTACT NO: [REDACTED]

Find CV



## 5.5 Admin Dashboard:

The Admin Dashboard features a blue sidebar on the left with the following menu items: Admin, Applications, Approved, Rejected, Placements, and Logout. The main content area displays four student profiles in a 2x2 grid. Each profile includes a circular profile picture, name, UIN, and personal details. A 'REJECT' button is located at the bottom right of each profile card.

Profile	Name	UIN	Department	Program	Gender	Email	Action
1	Farheen Rizvi	123456	Computer	Final Year	female	farheen@gmail.com	REJECT
2	naushin khan	1529461	Computer	Final Year	female	naushin@gmail.com	REJECT
3	Amreen Khan	12343	Computer	BE	female	amreen@gmail.com	REJECT
4	Naushin Khan	171P032	Computer	Final Year	female	naushinkhan123@gmail.com	REJECT


## 5.6 Company Dashboard:

The Company Registration Form is titled 'Register or login'. It has two tabs: 'Student' and 'Company', with 'Company' selected. The form contains the following fields:

- Company Name: Chegg
- Registration No: 12345
- WebSite URL: www.chegg.com
- Company Address: Mumbai
- Password: chegg1234
- Email: chegg@gmail.com
- GST Number: 1234
- Phone Number: 8691990133
- Confirm Pwd: chegg1234

Additional features include an 'Upload Profile' button and a 'logo.jpeg' placeholder. A red asterisk at the bottom left indicates that all fields are required.

## 5.7 Job Profile:

**Chegg**

Requisitions

Create Requisition

Internal Submits

Logout

Position

Academic Expert

No of Positions

1

Job Type

Part Time

Salary

₹ 30000

Location

Mumbai

Last date to apply

04/15/2021

Minimum CGPA required

7

Job Description

To answer the questions asked by students  
Ensure that you follow the quality parameters  
To ensure academic integrity

CREATE

## 6.0 DEFINITIONS AND ACRONYMS

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Abbreviation	Description
SDD	Software Design Document
DFD	Data Flow Diagram
FBD	Functional Body Diagram
NA	Not Applicable
ER	Entity Relationship

## 7.0 REFERENCES

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