

# **15CSE376 Net-Centric Programming**

## **Term 1 Project Evaluation**

**Review Term: 1**

**Group Number: 3**

**Project Title: Placement Portal**

**Team Members -**

<b>Roll Number</b>	<b>Name</b>
CB.EN.U4CSE17014	Ch. Sai Phani Jaswanth
CB.EN.U4CSE17043	Nanditha Menon
CB.EN.U4CSE17049	Rishi Vignesh
CB.EN.U4CSE17057	S.S.V.Rohith
CB.EN.U4CSE17065	T. Sai Srihitha Reddy

# **ABSTRACT**

The aim of the proposed system is to develop a system with improved facilities and overcome all the limitation of the existing system, such as repeatedly entering details while registering for a job, not being able to keep track of students and jobs, the manual work which is error prone and other problems such as inconsistency and ambiguity on operations.

In order to avoid these, a web based placement portal is proposed, where the student information in the college with regard to placement is managed efficiently. The key feature of this project is that it is one time registration enabled. The student can apply for a job with a click of a button. The information and resume of the student is taken automatically from the database in the backend. The recruiter can also see the list of applicants who have registered for the job. After the entire process of recruitment is finished, the company can close the job and pick the selected candidates. This is in turn updated in the database.

Our project intends to help fast in fast access procedures in placement related activities and ensures to maintain the details of the student. It provides the facility of maintaining the details of the students and easy maintenance of list of applicants for the recruiters.

# **Technologies Used**

## **HTML5**

HTML stands for Hyper Text Markup Language. It is used to design web pages using markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages. Markup language is used to define the text document within a tag which defines the structure of web pages.

## **CSS**

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML.

## **JS**

JavaScript is a cross-platform, object-oriented scripting language used to make webpages interactive (e.g., having complex animations, clickable buttons, popup menus, etc.).

## **JASMINE TESTING FRAMEWORK**

Jasmine is a behavior-driven development framework for testing JavaScript code.

# **System Requirements Specifications**

## **Operating Environment**

This web application can be deployed on a linux or window machine with MySQL server.

- Minimum RAM 512MB
- 20GB Storage Space.
- Intel Dual Core Processor
- Internet Connectivity with Ports configured.

This application can be accessed by a user through a machine having any web browser with html javascript support and Wamp/Xampp to get database content. The client devices must preferably have browsers like IE9 or above, Mozilla firefox (version 3.5 or above) or Opera 10 or chrome (version 29 or above) or safari installed in their OS and must have enabled Xampp/Wamp server to get content. Specified versions are preferred to get HTML 5 output. The portal can be accessed through a mobile or PDA with internet access and a web browser supporting html javascript output.

### **External Interface Requirements :**

The software interface uses Windows,Apache,MySQL and JDBC set-up.

Operating system: Windows/Linux

Web Server: Apache 2.2.4

Database: MySQL

Scripting Language: JavaScript

Web Browser: Mozilla Firefox/Google chrome

Database Connectivity: Using JDBC

The product will host a local Apache web server where the user interface will be displayed via the web browser. Html,Css will also be used to create background colors, border colors and text display. JavaScript will be used to control client-side

interactions. The MySQL database will store the images and Students and Recruiters information to be displayed at the output. All images are in jpeg format.

**Hardware Interfaces requires:** The program will communicate with the hard drive(the filesystem and database) via the appropriate PHP code. The user can communicate through the browser using a keyboard and a display through a graphical interface displayed on the user's screen.

### **Other Nonfunctional Requirements:**

#### Usability

- ❖ The software must have a simple and User friendly Interface.
- ❖ The navigation to various pages should make it more convenient to the users so as to save time and confusion.

### **Performance Requirements:**

- ❖ The users must get the response within seconds. i.e. the response time of a particular function should be minimum.
- ❖ The system would exhibit high performance because it would be well optimized

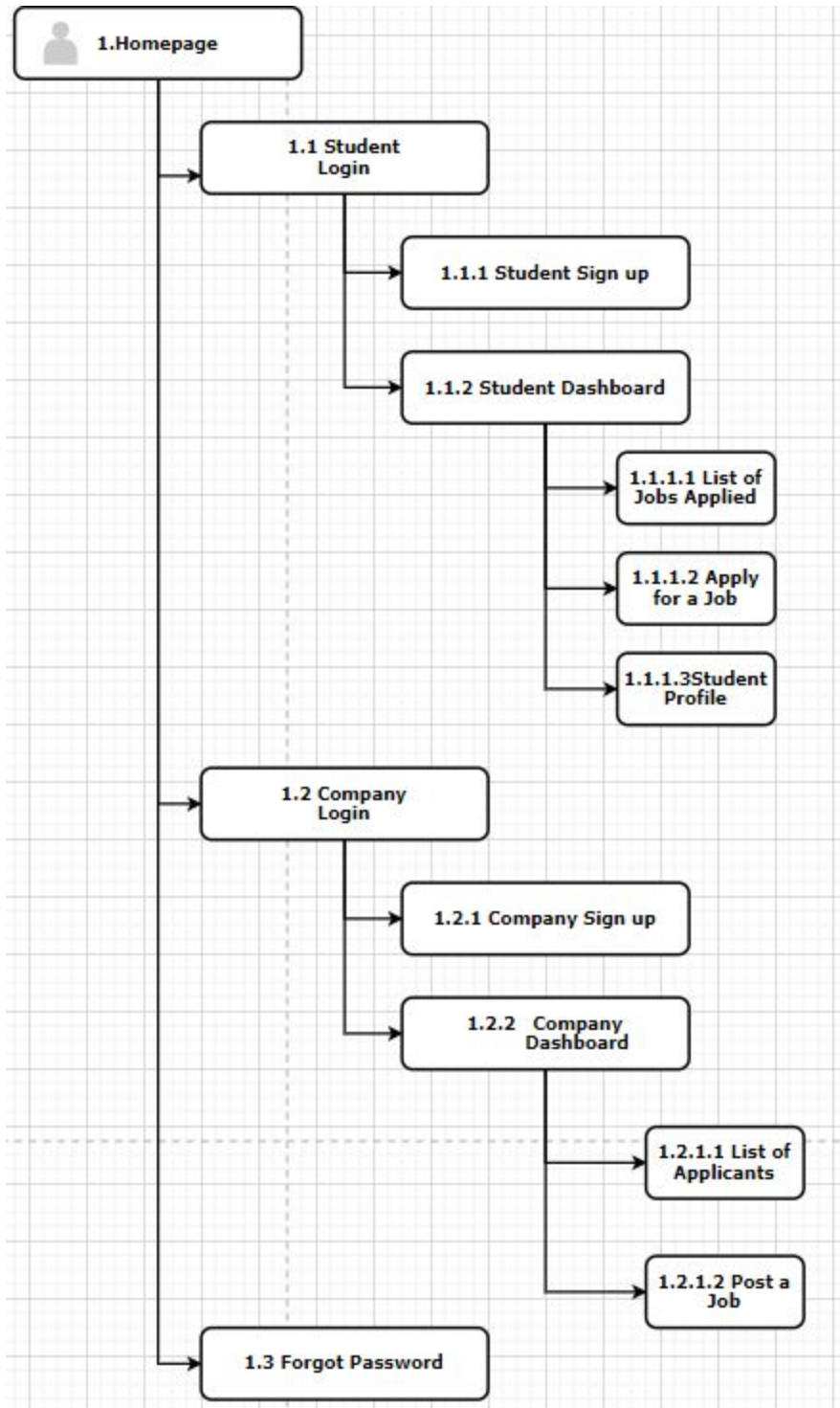
### **Assumptions and Dependencies:**

- ❖ We are assuming that the user should have some basic knowledge of computer
- ❖ And users must be able to install all the required dependencies listed.

### **Product Functions:**

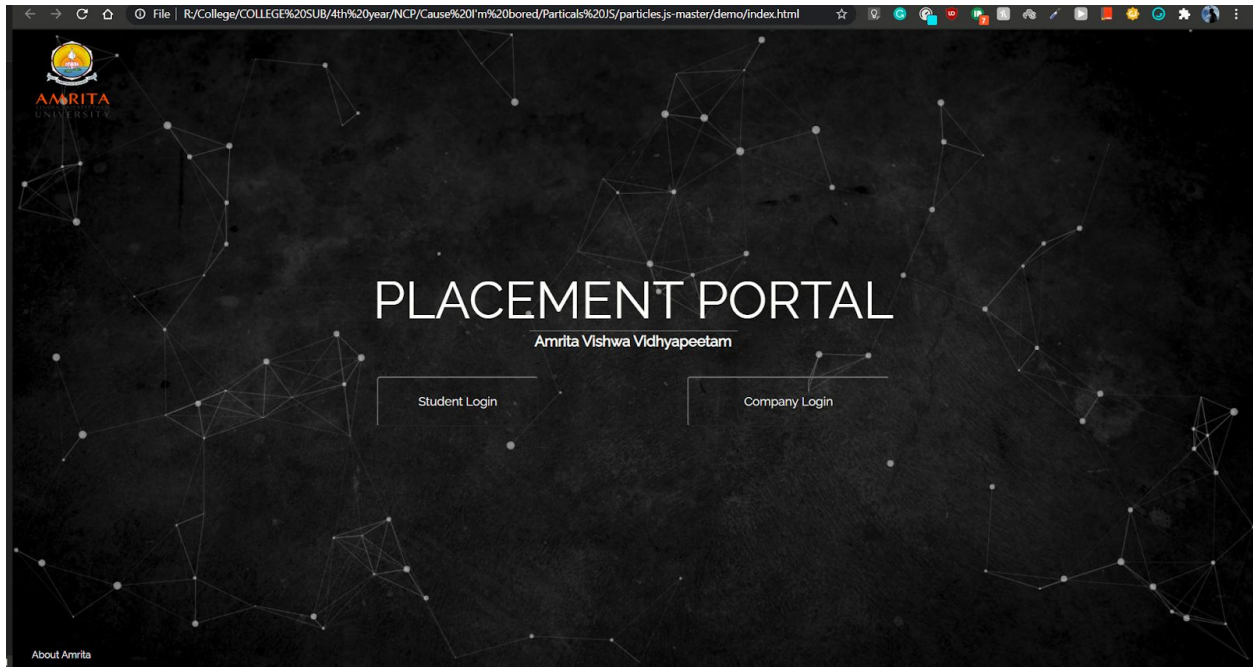
- ❖ The Placement Portal System is to be developed as an attempt to take a record of Companies and students by restricting a large database that would be used for each.
- ❖ The System would provide the facility of viewing both the personal and academic information of the students and also the company.

# Design Diagram



# IMPLEMENTATION

## Screenshot of the page (CSE17049)



**Description:** Home page of the portal where a user can go to the respective login page - student or recruiter.

**Elements used in the page:** Button Animation using CSS, Interactable background animation using CSS and JS.

## Code Snippets:

```
.button span {
  cursor: pointer;
  display: inline-block;
  position: relative;
  transition: 0.5s;
}

.button span:after {
  content: '\00bb';
  position: absolute;
  opacity: 0;
  top: 0;
  right: -20px;
  transition: 0.5s;
}
```

```
.button:hover span {
  padding-right: 25px;
}

.button:hover span:after {
  opacity: 1;
  right: 0;
}
```

```
particlesJS('particles-js',
{
  "particles": {
    "number": {
      "value": 80,
      "density": {
        "enable": true,
        "value_area": 800
      }
    }
  }
})
```


## Screenshot of the page (CSE17014)

Recruiter Registration

AudioSmart

file:///C:/Users/srihi/Desktop/Semester 7/ncp/placement portal/placementportal-master/placementportal-master/Yeah, I'm putting m... \*\*\*

Japanese Books CoursesToDo hacking Placement perp Semester 7 nlp case study mlhm case study ncp project

 **AMRITA**  
UNIVERSITY

# RECRUITER REGISTRATION

Logout

Company basic info

Name :

Head Quarters :

Company Website :

University Relations Email :

Password :

**Description:** Recruiter can post a job through this page. Only the basic details like job title, eligibility, locations and etc are taken through this form. All the other details are given through a drive link which is going to be uploaded by the recruiter. Once the job is posted, the job will be opened to the student, it will be shown in the list of jobs where students can apply. The job is also shown in the Active jobs section of the recruiter dashboard so the recruiter can see the list of applicants through it.

**Elements used in the page:** fieldset, select, form, url input.




## Screenshot of the page (CSE17065)

Company Login

file:///C:/Users/srihi/Desktop/Projects/placementportal-master/placementportal-master/company\_login.html

Japanese Books CoursesToDo hacking Placement perp Semester 7 nlp case study midm case study ncp project

 **RECRUITER LOGIN** [Register](#)

Email ID

Password

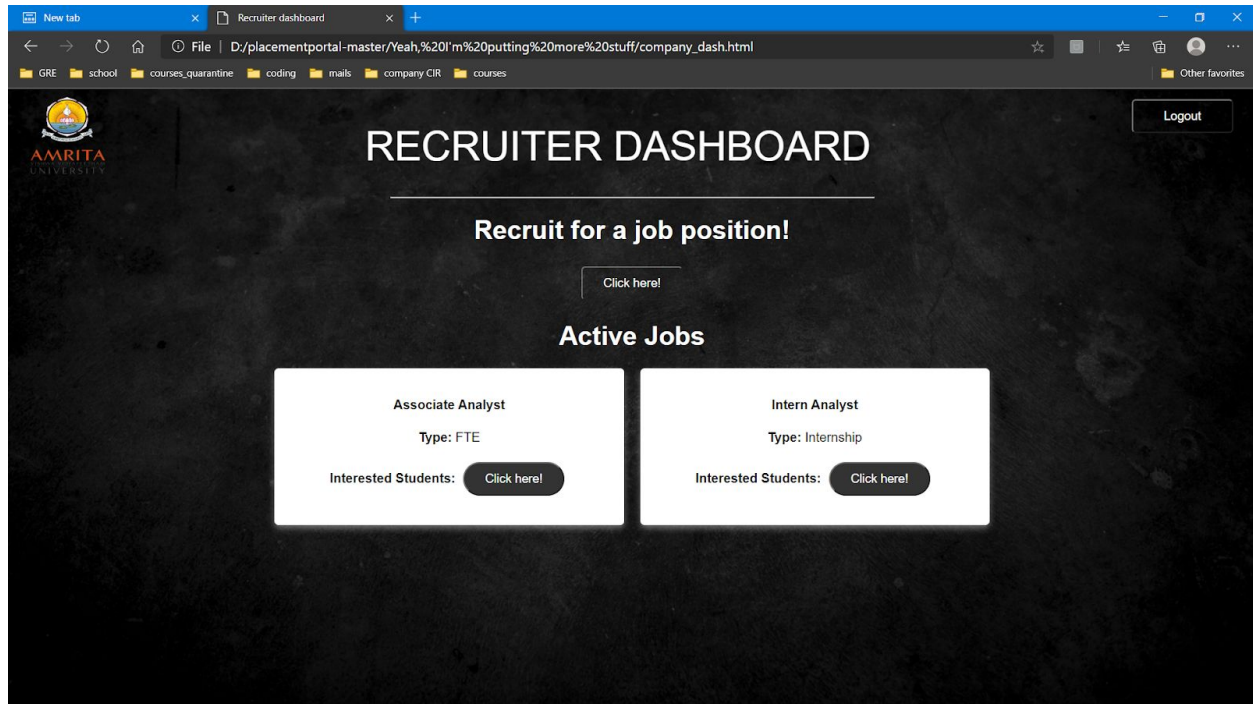
[Forgot password? Chill out Click here](#)

[About Amrita](#) [Login](#) [Cancel](#)

**Description :** The recruiter login is where the representatives from the companies can login from. This page on successful login leads to the recruiter dashboard. If a company is new to the portal, they can go through the Register page and register the company to get new login credentials.

**Elements used in the page:** button, hr, img, form, password input

## Screenshot of the page (CSE17065)



**Description:** The Recruiter Dashboard enables the recruiter to create an Job posting. After the job is created, it is shown as a card in the Active jobs section. The recruiter can also see the list of students who applied for the job. Once the job is closed by the recruiter, it is no more shown in the Active Jobs section.

**Elements used in the page:** justify content (css) , div, hr, p, b, button, img, h1, h4, flex display (css), box shadow (css)

### Code Snippets:

```
.row {  
  margin: 0 -5px;  
  display: flex;  
  justify-content: center;  
}
```

```
.card:hover {  
  box-shadow: 0 8px 16px 0 rgba(255,255,255,0.5);  
}
```

## Screenshot of the page (CSE17043)

Post a job

AudioSmart

file:///C:/Users/srihi/Desktop/Semester 7/ncp/placement portal/placementportal-master/placementportal-master/Yeah, I'm putting m...

Japanese Books CoursesToDo hacking Placement perp Semester 7 nlp case study ml dm case study ncp project

AMRITA UNIVERSITY

Logout

# POST A JOB !

Fill the following form -

Job basic info

Job Title :

Eligibility ( x cgpa and above ) :

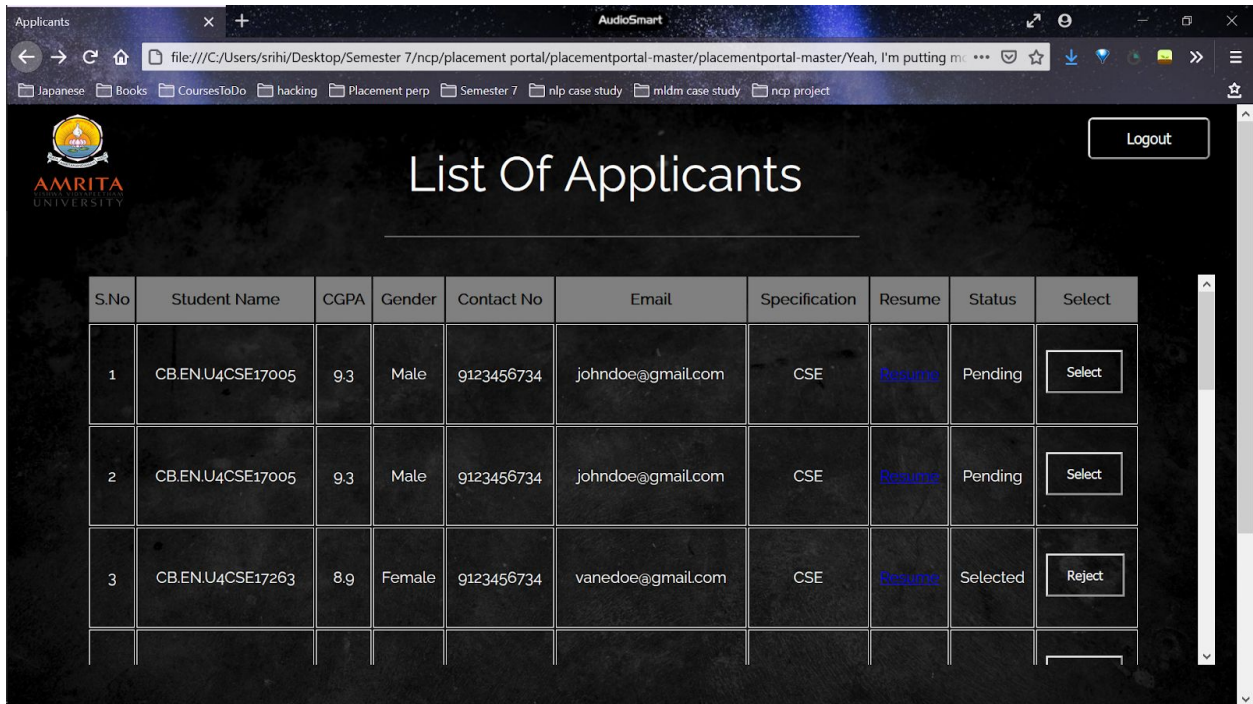
Location(s) :

CTC ( in lacs ) :

**Description:** Recruiter can post a job through this page. Only the basic details like job title, eligibility, locations and ctc are taken through this form. All the other details are given through a drive link which is going to be uploaded by the recruiter. Once the job is posted, the job will be opened to the student, it will be shown in the list of jobs where students can apply. The job is also shown in the Active jobs section of the recruiter dashboard so the recruiter can see the list of applicants through it.

**Elements used in the page:** fieldset, select, form, url input.

## Screenshot of the page (CSE17043)



The screenshot shows a web browser window with the address bar displaying a file path. The page title is 'Applicants'. The header includes the Amrita University logo and a 'Logout' button. The main content is a table titled 'List Of Applicants'.

S.No	Student Name	CGPA	Gender	Contact No	Email	Specification	Resume	Status	Select
1	CB.ENU4CSE17005	9.3	Male	9123456734	johndoe@gmail.com	CSE	<a href="#">Resume</a>	Pending	<input type="button" value="Select"/>
2	CB.ENU4CSE17005	9.3	Male	9123456734	johndoe@gmail.com	CSE	<a href="#">Resume</a>	Pending	<input type="button" value="Select"/>
3	CB.ENU4CSE17263	8.9	Female	9123456734	vanedoe@gmail.com	CSE	<a href="#">Resume</a>	Selected	<input type="button" value="Reject"/>
									<input type="button" value=""/>

**Description :** The list of applicants is visible to the recruiter for a particular job.

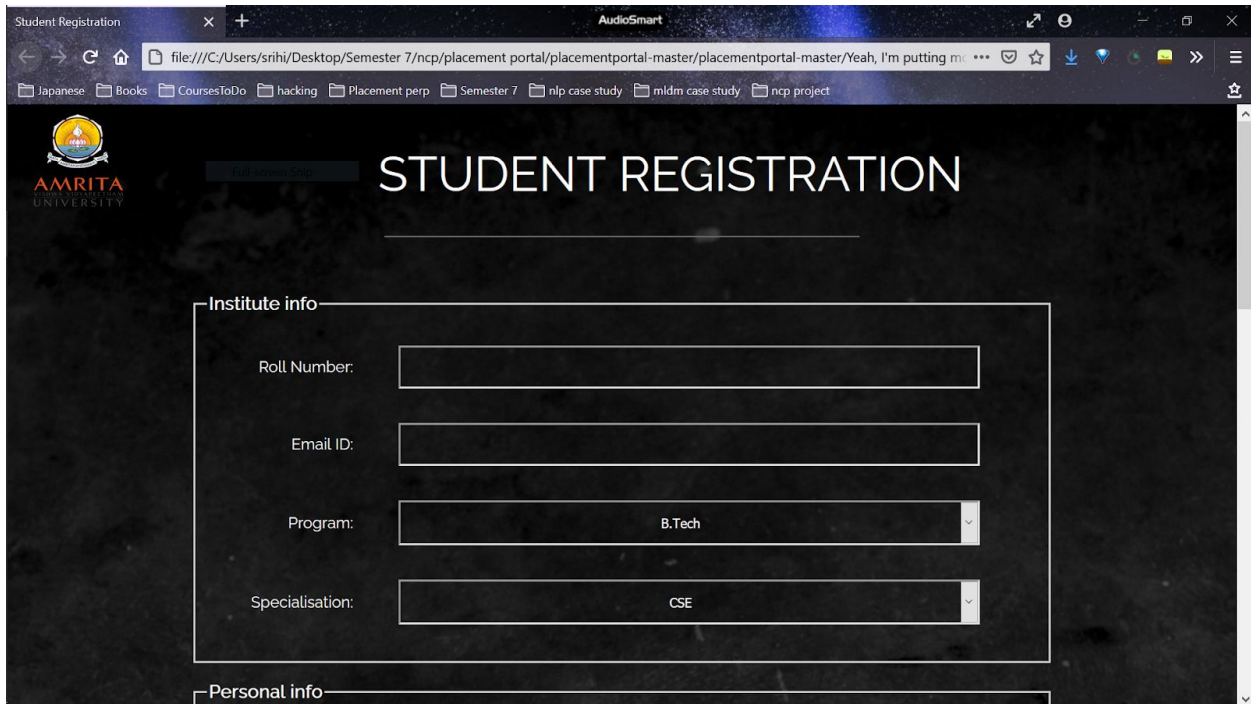
**Elements used in the page:** table, fieldset, form, overflow-y attribute (css), a

**Code Snippets:**

```
.table{
    overflow-y: auto;
    overflow-x: auto;
    height: 400px;
}
```



## Screenshot of the page (CSE17065)



**Description:** The Student Registration page collects the student information while registering for the portal. This information is stored in the database, making it easy for the student to apply for job without having to fill his/her details repeatedly. The password field and confirm password field are validated using javascript without having to reload the whole page.

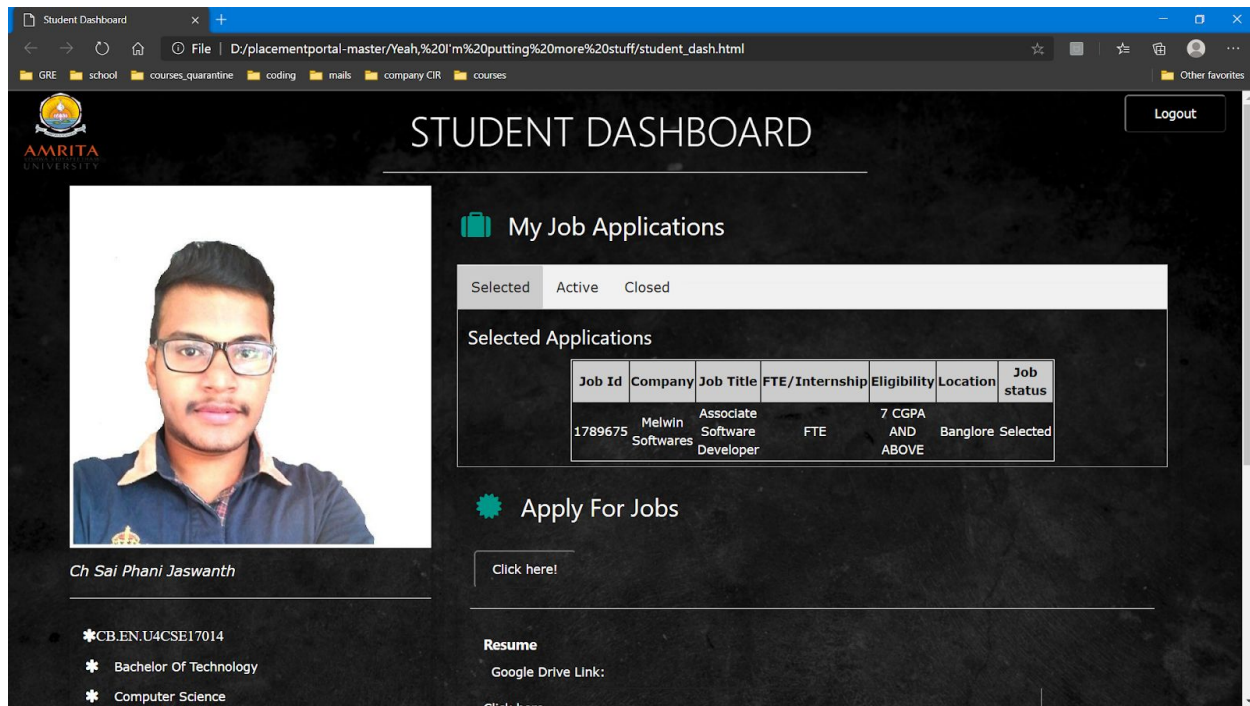
**Elements used in the page:** fieldset, radio group, select, form, password input.

### Code Snippets:

```
<fieldset>
  <legend><h3><span class="number"></span>Account info</h3></legend>
  <label for="pwd">Password:</label>
  <input type="password" id="pwd" name="pwd" onkeyup='check();' required><br><br>
  <label for="cpwd">Confirm Password:
    <span id="match_pwd"></span>
  </label>
  <input type="password" id="cpwd" name="cpwd" onkeyup='check();' required><br><br>
</fieldset>
```

```
var check = function() {
  if (document.getElementById('pwd').value ==
    document.getElementById('cpwd').value) {
    document.getElementById('match_pwd').style.color = 'green';
    document.getElementById('match_pwd').innerHTML = 'matching';
  } else {
    document.getElementById('match_pwd').style.color = 'red';
    document.getElementById('match_pwd').innerHTML = 'not matching';
  }
}
```

## Screenshot of the page (CSE17014)



**Description :** The Student Dashboard enables the student to manage his/her job applications in a single page. The student can upload a new link for the resume which is going to be displayed in their profile. The details of the student when registered are shown in this page.

The job applications are divided into 3 categories - Selected, Active and Closed. Active jobs are the ones where the student is being considered by the company. Selected Jobs are the ones where the company has selected the student to be the final applicant for the job position. And finally, Closed jobs are the ones where the student is rejected by the company or the company is no longer considering students for the job position.

**Elements used in the page:** justify content (css) , div, hr, p, b, button, img, h1, h3,, flex display (css), table,url input.

## Code Snippets

```
<button class="tablinks" onclick="openEvents(event, 'Selected')">Selected</button>
<button class="tablinks" onclick="openEvents(event, 'Active')">Active</button>
<button class="tablinks" onclick="openEvents(event, 'Closed')">Closed</button>
```

```
<div class="w3-container">
  <h5 class="w3-text-white"><b>Resume</b></h5>
  <label class="w3-text-white"for="website">Google Drive Link:</label><br>
  <a href="https://drive.google.com/file/d/1j0vs54Xa8sLYp6Rrc25gkcH96ZUJf5Tn/view?usp=drivesdk">Click here</a>
  <input type="url" id="website" name="website" required><br>
  <hr>
</div>
```

## Screenshot of the page (CSE17049)

S.NO	ORGANIZATION NAME	ROLES OFFERED	CTC OFFERED	ELIGIBILITY	INTERNSHIP/FTE	JOB DESCRIPTION	APPLY
1	Google	Software Engineering	44-45LPA	9.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
2	Microsoft	Support Engineering	35-40LPA	9.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
3	Amazon	Quality Assurance Engineer	10-13LPA	6.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
4	TCS	Software engineer	3.6LPA	6.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
5	Infosys	Software engineer	4LPA	6.0&above	FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
6	HCL Technologies	Software services	3.6LPA	6.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
7	Tech Mahindra	IT Services	3.0LPA	6.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
8	Flipcart	Supply chain planning	12LPA	7.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
9	Cognizant	IT Employee	3-4LPA	6.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
10	Capgemini	Software engineer	3.6LPA	6.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
11	MIR Cooper	Software engineer Developer	8.6LPA	8.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
12	Lowe's india	Software Developer	7LPA	8.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
13	Build Your Future	Web Developer	6LPA	7.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply
14	Hyperlink InfoSystem	App Developer	6LPA	7.0&above	INTERNSHIP,FTE	<a href="https://bit.ly/35MxQSP">https://bit.ly/35MxQSP</a>	Apply

**Description :** The list of jobs visible to the student. This table allows him to see a brief description of a particular job. He/She can further decide to apply for the job after viewing the job description.

**Elements used in the page:** table, fieldset, form, overflow-y attribute (css).

### Code Snippets:

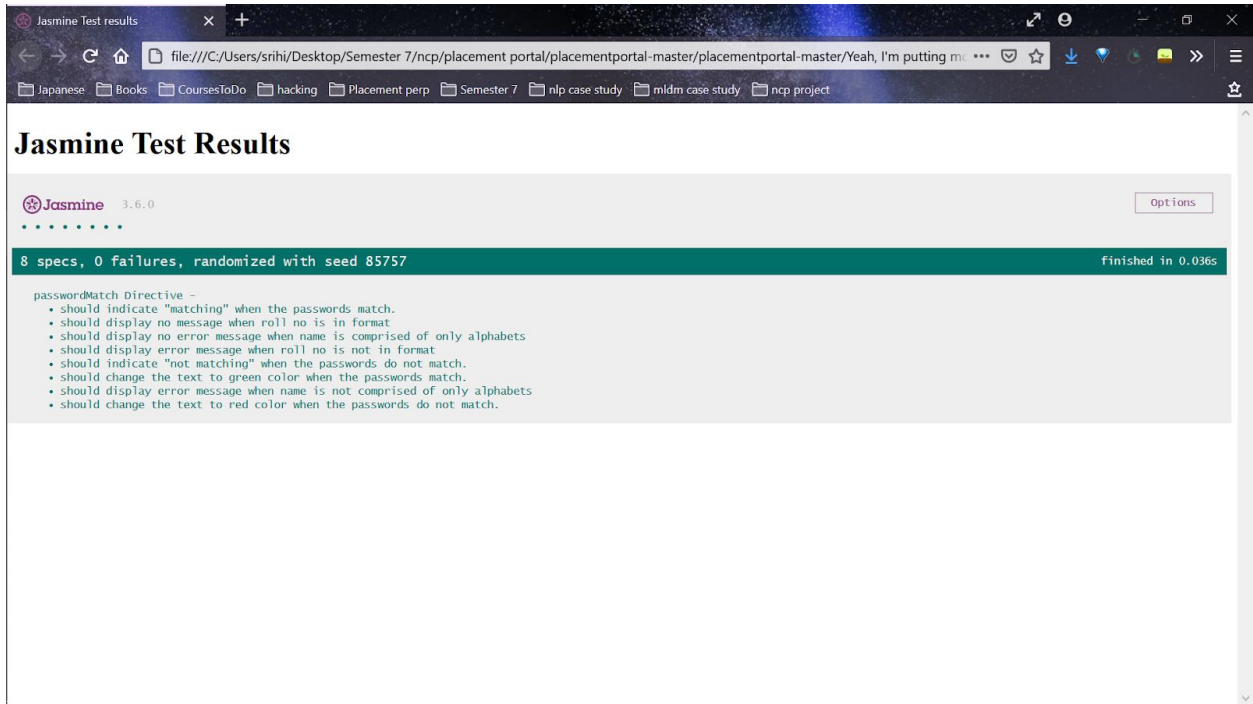
```
#students tr{background-color: #f2f2f2;}
#students tr:hover {background-color: #ddd;}
```

```
#students th {
  padding-top: 12px;
  padding-bottom: 12px;
  text-align: left;
  background-color: black;
  color: white;
}
```

# TESTING

Field	Input Given	Success/Failure	Reason for Failure
should indicate "not matching" when the passwords do not match.	"123", "1234"	Success	
should change the text to red color when the passwords do not match.	"123", "1234"	Success	
should indicate "matching" when the passwords match.	"1234", "1234"	Success	
should change the text to green color when the passwords match.	"1234", "1234"	Success	
should display no message when roll no is in format	"CB.EN.U4CSE17065"	Success	
should display no error message when name is comprised of only alphabets	"Srihitha Reddy"	Success	
should display error message when roll no is not in format	"abcdefgh"	Success	
should display error message when name is not comprised of only alphabets	"srih2343"	Success	





**Screenshot of Jasmine Testing Results**

# Evaluation Sheet

Roll No	Technology	Max Marks	Marks Awarded
CB.EN.U4CSE17014	HTML	10	
	CSS	10	
	JS	10	
	Viva	10	
CB.EN.U4CSE17043	HTML	10	
	CSS	10	
	JS	10	
	Viva	10	
CB.EN.U4CSE17049	HTML	10	
	CSS	10	
	JS	10	
	Viva	10	
CB.N.U4CSE17057	HTML	10	
	CSS	10	
	JS	10	
	Viva	10	
CB.N.U4CSE17065	HTML	10	
	CSS	10	
	JS	10	
	Viva	10	
	Project Documentation	10	
	Total	50	