

EduBridge



A project report
on

Placement Management System

By

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Java full Stack Developer

Batch: 2020 – 5762

Center: Bangalore Sprayas

Under the guidance of ,

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Technical Trainer

EduBridge

Introduction

The project named “Placement Management System”, a student/company information system is a window based application , that can be accessed throughout the Organization and outside as well with proper Login provided . The project has been developed on the basis of “Placement Cell” being presently used in the Organization for storing and retrieving the information of students and companies who are registered in placement cell. The Placement Cell maintains a large database of students where in all the information of student including the personal records and the academic performance in terms of the marks and grades is stored and company information including resume of company and facilities it provide. The software retrieves this data and displays as per the user requirement .

Objective

- I developed this project using different kind of application like Java, JSP, Servlets, Hibernate, Thymeleaf and MySQL. It's a web-based project so I have used HTML, CSS, JavaScript and Bootstrap .
- It mainly explains about various actions related to recruiter system in online. You can apply to various kind of jobs available in the portal.

Modules

- Admin Module
- Student Module
- Recruiter Module

I have developed this Application in Java, JSP, Servlets , Hibernate and MySQL . It's a web-based projects so I have used HTML, CSS, JavaScript and Bootstrap also.

Purpose

Admin Module

- In Admin Module ,admin the manage all the portal of recruiter and student where all the details are mentioned about the jobs.
- The Admin can make change in any portal because they have access to do whatever needed to change.
- They can view the applied jobs, view the resume of student and also delete the category of job.

Student Module

- In Admin Module ,admin the manage all the portal of recruiter and student where all the details are mentioned about the jobs.
- The Admin can make change in any portal because they have access to do whatever needed to change.
- They can view the applied jobs, view the resume of student and also delete the category of job.

Recruiter Module

- In the recruiter module they upload various kind of jobs from different company's.
- The status of the job application can be changed by them when the candidate applied to.
- The recruiter details will also be stored in the portal.

Software Requirements

- Front end: Java/J2EE technologies (Servlet, JSP), HTML, CSS, JavaScript, Bootstrap, Hibernate.
- Back end: MySQL workbench 8.0.23CE.
- Middleware/Server: Apache Tomcat v8.5. IDE: Eclipse IDE for Java EE Developers.
- Browser: Best result on Google Chrome
- Operating System: Window 10.

Data Dictionary SCREENSHOTS

Database table for Admin

The screenshot shows a database query tool interface. At the top, a query editor displays the command `1 • describe placement.admin;`. Below the editor, a toolbar includes icons for file operations, execution, and a dropdown menu set to "Limit to 1000 rows".

The main area displays the "Result Grid" for the query. It shows the schema for the `placement.admin` table with the following columns: Field, Type, Null, Key, Default, and Extra.

Field	Type	Null	Key	Default	Extra
aid	bigint	NO	PRI	NULL	
aname	varchar(255)	YES		NULL	
password	varchar(255)	YES		NULL	
email	varchar(255)	YES		NULL	
address	varchar(255)	YES		NULL	
cname	varchar(255)	YES		NULL	
contact	bigint	NO		NULL	
logo	varchar(255)	YES		NULL	
website	varchar(255)	YES		NULL	

Below the result grid, the "Output" section shows the "Action Output" log. It contains two entries, both marked with a green checkmark:

#	Time	Action	Message
1	23:49:55	describe placement.recruiter	9 row(s) returned
2	23:52:55	describe placement.admin	9 row(s) returned

Database table for Student

1 • `describe placement.student;`

Limit to 1000 rows

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	Field	Type	Null	Key	Default	Extra
▶	sid	bigint	NO	PRI	NULL	
	address	varchar(255)	YES		NULL	
	b_marks	float	NO		NULL	
	branch	varchar(255)	YES		NULL	
	contact	bigint	NO		NULL	
	course	varchar(255)	YES		NULL	
	cv_url	varchar(255)	YES		NULL	
	dob	date	YES		NULL	
	email	varchar(255)	YES		NULL	
	hs_marks	float	NO		NULL	
	m_marks	float	NO		NULL	
	password	varchar(255)	YES		NULL	
	profile_pic	varchar(255)	YES		NULL	
	s_marks	float	NO		NULL	
	sname	varchar(255)	YES		NULL	

Result 3 x

Output

Action Output

#	Time	Action	Message
✓ 2	23:52:55	describe placement.admin	9 row(s) returned
✓ 3	23:53:18	describe placement.student	15 row(s) returned

Database table for Recruiter

Query 1 x

Limit to 1000 rows

```
1 • describe placement.recruiter;
```

Result Grid

	Field	Type	Null	Key	Default	Extra
▶	rid	bigint	NO	PRI	NULL	
	address	varchar(255)	YES		NULL	
	company	varchar(255)	YES		NULL	
	email	varchar(255)	YES		NULL	
	logo	varchar(255)	YES		NULL	
	password	varchar(255)	YES		NULL	
	pno	bigint	NO		NULL	
	rname	varchar(255)	YES		NULL	
	website	varchar(255)	YES		NULL	

Result 1 x

Output

Action Output

#	Time	Action	Message
✓ 1	23:49:55	describe placement.recruiter	9 row(s) returned

Database table for Jobs

The screenshot shows a database management interface. At the top, a toolbar contains various icons for file operations, search, and execution. Below the toolbar, a text area contains the SQL command: `1 • describe placement.jobs;`. The main area displays the 'Result Grid' for this command. The grid has columns for Field, Type, Null, Key, Default, and Extra. The data is as follows:

Field	Type	Null	Key	Default	Extra
jid	bigint	NO	PRI	NULL	auto_increment
company	varchar(255)	YES		NULL	
edate	date	YES		NULL	
jd	varchar(500)	YES		NULL	
jlocation	varchar(255)	YES		NULL	
jrole	varchar(255)	YES		NULL	
pdate	date	YES		NULL	
rid	bigint	NO		NULL	
rlogo	varchar(255)	YES		NULL	
salary	bigint	NO		NULL	
status	varchar(255)	YES		NULL	

Below the result grid, there is a section labeled 'Result 4' with a close button. Underneath, there is an 'Output' section with a dropdown menu set to 'Action Output'. This section contains a table with columns for #, Time, Action, and Message.

#	Time	Action	Message
✓ 1	23:49:55	describe placement.recruiter	9 row(s) returned
✓ 2	23:52:55	describe placement.admin	9 row(s) returned
✓ 3	23:53:18	describe placement.student	15 row(s) returned
✓ 4	23:57:06	describe placement.jobs	11 row(s) returned

Database table for Job_Applicant

1 • `describe placement.job_applicant;`

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	jaid	bigint	NO	PRI	NULL	auto_increment
	aname	varchar(255)	YES		NULL	
	company	varchar(255)	YES		NULL	
	jid	bigint	NO		NULL	
	jrole	varchar(255)	YES		NULL	
	location	varchar(255)	YES		NULL	
	raction	varchar(255)	YES		NULL	
	sid	bigint	NO		NULL	
	status	varchar(255)	YES		NULL	

Result 8 ×

Output

Action Output

#	Time	Action	Message
✓ 6	23:59:58	describe placement.job_applicant	9 row(s) returned

Home Page

Edubridge

[Home](#) [Student Registration](#) [Recruiter Registration](#) [Admin Portal](#)



Placement Management System

This final project is designed and Developed By Java Full Stack Developers of Batch Code - 5762

Full Name : Manasi Samanta

Student ID : EBEON0721405579

Batch Code : 5762

Center : Bangalore Sprayas

Technologies Used : Spring Boot, Data JPA, Hibernate, Bootstrap, Thymeleaf & MySQL

Student

Note : Students who have already registered themselves for placement can use the same username and password to login to this portal.

[Student Portal](#)

Recruiter

Looking to hire candidates? Post a job & hire within 24 hrs. Hire across India, Mumbai, Delhi, Bangalore, Pune, Nagpur, Chennai.

[Recruiter Portal](#)

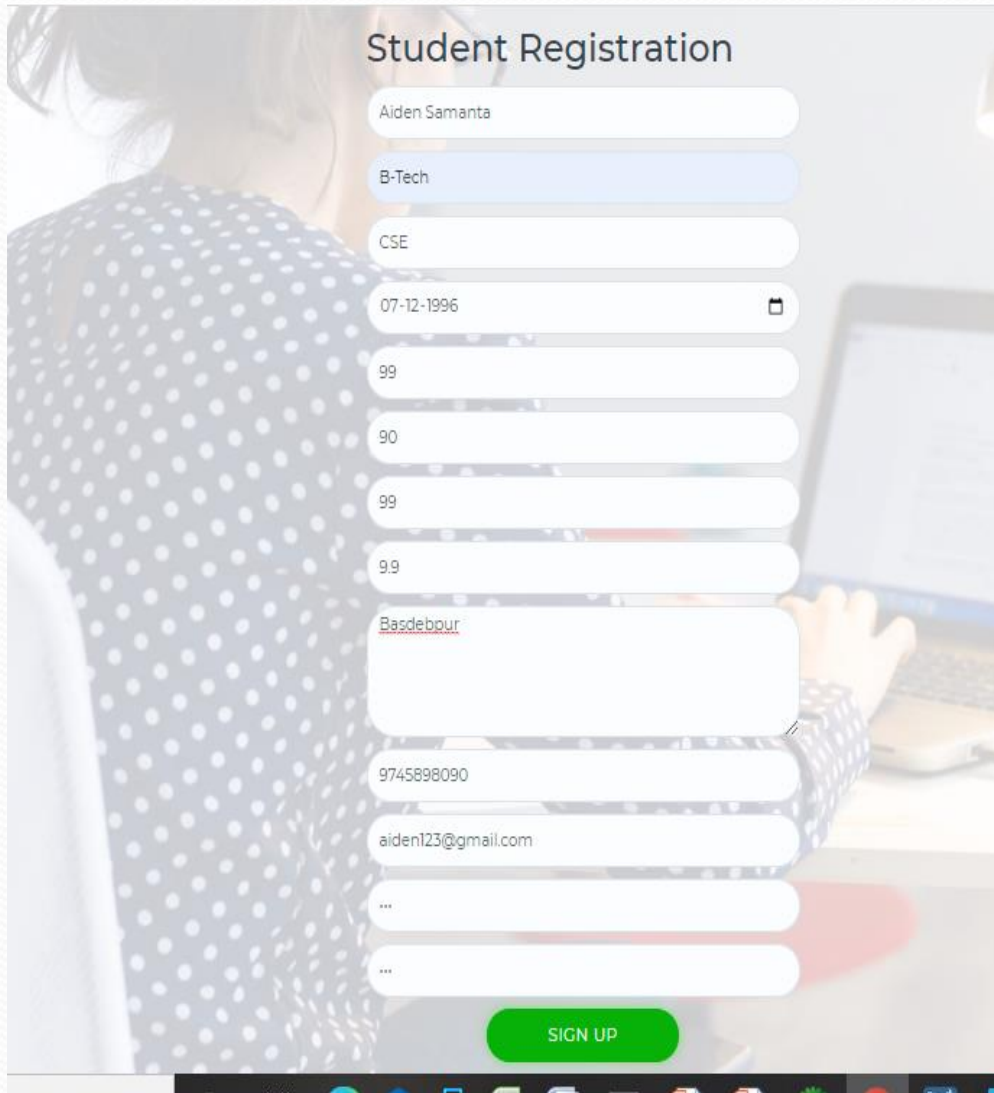
College

Instructions. Only authorized college administrator can login to this system.

[Admin Portal](#)

Students details page

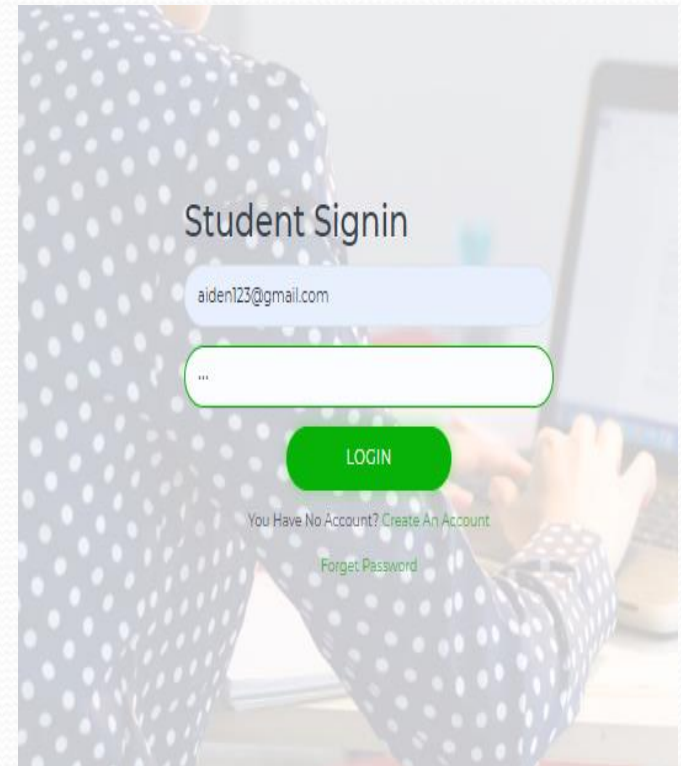
Students Signup/Login Page



A screenshot of a web browser displaying a 'Student Registration' form. The form is overlaid on a background image of a person with dark hair wearing a blue polka-dot shirt, sitting at a desk with a laptop. The form fields are as follows:

- First Name: Aiden Samanta
- Program: B-Tech
- Department: CSE
- Date of Birth: 07-12-1996
- Gender: 99
- Roll Number: 90
- Branch: 99
- Grade: 9.9
- Address: Basdebour
- Phone Number: 9745898090
- Email: aiden123@gmail.com
- Confirm Email: ***
- Confirm Password: ***

A green 'SIGN UP' button is located at the bottom right of the form.



A screenshot of a web browser displaying a 'Student Signin' form. The form is overlaid on the same background image as the registration page. The form fields are as follows:

- Email: aiden123@gmail.com
- Password: ***

A green 'LOGIN' button is located below the password field. Below the login button, there are two links: 'You Have No Account? Create An Account' and 'Forget Password'.

Student view jobs

Student Dashboard

Profile Details

View Jobs

Applied Jobs Status

Change Password

Update Details

Upload Resume

Upload profile Picture


Preview Resume

Toggle Menu

Logout ▾

Recommended Jobs

Software Engineer




Software Engineer

TCS
Mumbai

Salary Package : Upto 3 LPA

Apply Now

Java Developer



Java Developer

Capgemini
Bangalore

Salary Package : Upto 3 LPA

Apply Now

Software Engineer


Software Engineer

Bitcanny
kolkata

Salary Package : Upto 3 LPA

Apply Now

Java Developer




Java Developer

Kids World
kolkata

Salary Package : Upto 3 LPA

Apply Now

Software Engineer



Software Engineer

Wipro
Pune

Salary Package : Upto 5 LPA

Apply Now

Student Applied jobs page

Placement Management Syst x Placement Management Syst x Placement Management Syst x passport size photo - Bing in x e4a8cf2b3534ea19918479d3 x +

localhost:8080/appliedjobs/20

Student Portal [Hide sidebar](#) Home Link Logout

Profile Details

View Jobs

Applied Jobs Status

Change Password

Update Details

Upload Resume

Upload profile Picture

Preview Resume

Applied Jobs Status

Showing: 1-20 of 200 result

Job Id	Company	Job Role	Location	Status	Recruiter Action
13	Wipro	Software Engineer	Pune	Applied	No action from the recruiter at this moment
9	TCS	Software Engineer	Mumbai	Applied	No action from the recruiter at this moment
10	Capgemini	Java Developer	Bangalore	Applied	No action from the recruiter at this moment
11	Bitcanny	Software Engineer	kolkata	Applied	No action from the recruiter at this moment
12	Kids World	Java Developer	kolkata	Applied	No action from the recruiter at this moment

« Previous 1 2 3 4 » Next

Type here to search

20°C 01:19 12-12-2021

Students preview resume page

Placement Management System

Placement Management System

Placement Management System

+

localhost:8080/viewresume/3/

Student Dashboard

Logout

Profile Details

View Jobs

Applied Jobs Status

Change Password

Update Details

Upload Resume

Upload profile Picture

Preview Resume

MANASI RESUME-1.pdf

1 / 2 | 90% + | [Icons]

1

2

Manasi Samanta

Mobile No : 7980751561

E-mail : manasisamanta936@gmail.com

Career Objective:

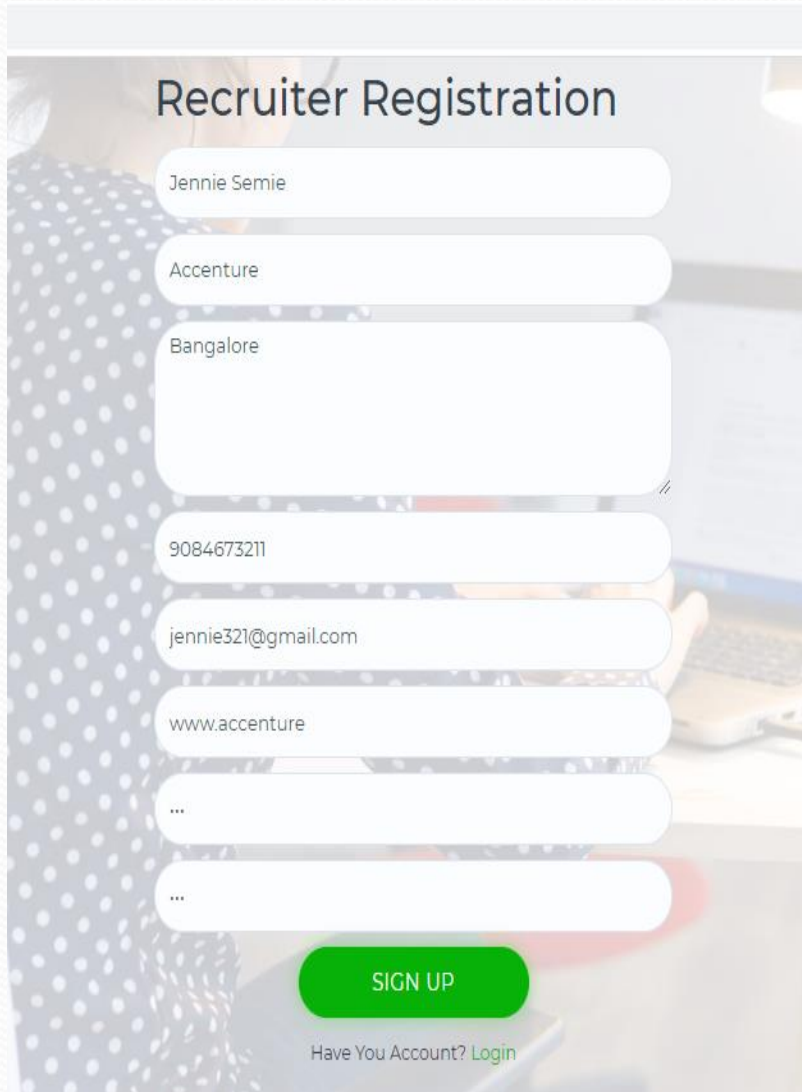
To build career in a growing organization, where I can get the opportunities to prove my abilities by accepting challenges, fulfilling the organizational goals climb the career ladder through continuous learning and commitment.

Academic Qualifications:

Degree/Certificate	Discipline	Institute	Board/University	Year of Passing	Aggregate % / CGPA
Bachelor of Technology	B.TECH	TECHNO INTERNATIONAL BATANAGAR	MAKAUT, WEST BENGAL	2020	7.32
Higher Secondary	12th	GOLGRAM R.B.B.M.H	WBCHSE	2015	63.2

Recruiter details page

Recruiter Signup/Login Page



Recruiter Registration

Jennie Semie

Accenture

Bangalore

9084673211

jennie321@gmail.com

www.accenture

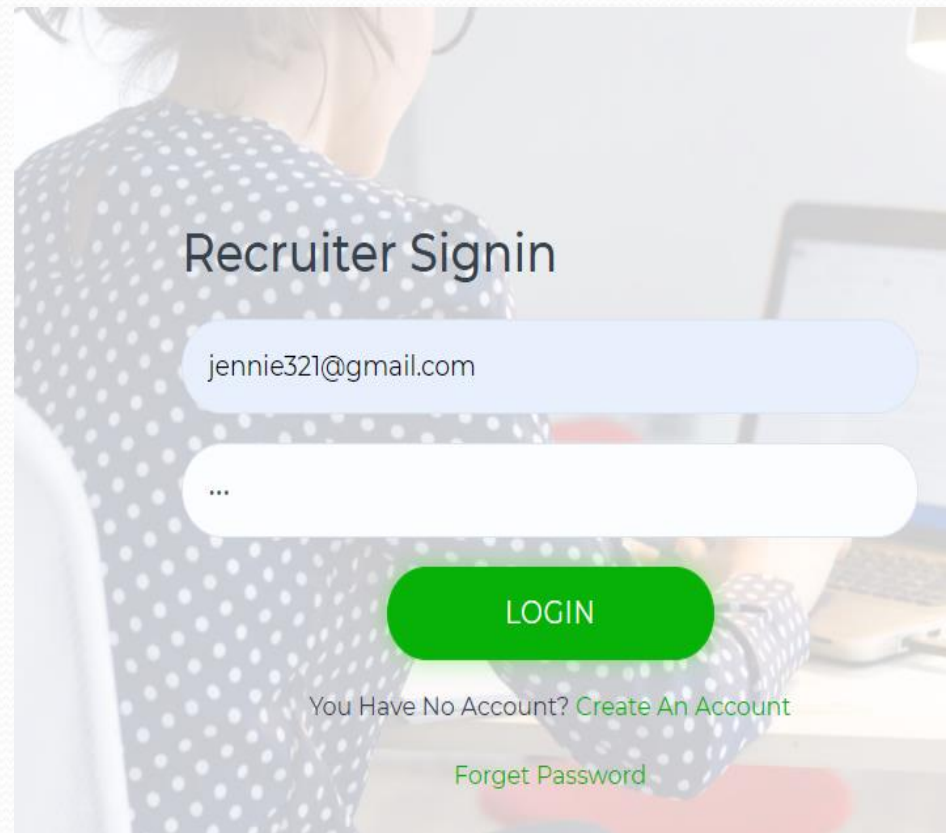
...

...

[SIGN UP](#)

Have You Account? [Login](#)

The registration form is overlaid on a background image of a person with dark hair wearing a blue polka-dot shirt, working on a laptop. The form fields are white with rounded corners and contain the following text: 'Jennie Semie', 'Accenture', 'Bangalore', '9084673211', 'jennie321@gmail.com', 'www.accenture', '...', and '...'. A green 'SIGN UP' button is at the bottom, and a link 'Have You Account? Login' is at the very bottom.



Recruiter Signin

jennie321@gmail.com

...

[LOGIN](#)

You Have No Account? [Create An Account](#)

[Forget Password](#)

The signin form is overlaid on the same background image as the registration form. It features a title 'Recruiter Signin', an email input field containing 'jennie321@gmail.com', a password input field with three dots, a green 'LOGIN' button, and two links: 'You Have No Account? Create An Account' and 'Forget Password'.

Recruiter add new job page

Resruiter Portal

Profile Details

View Jobs

Add New Job

Check Applicant list

Change Password

Update Details

Search Candidate

Upload Company Logo

Toggle Menu

Home Link Logout

Add New Job Details

Job Role

Software Engineer

Job Description

Software Engineer

Package

4

Expiry Date

29-11-2021

Company

IBM

Job Location

Mumbai

Job post Date

09-01-2022

Update Profile

1390420312000-ib....jpg

Kyoung-Kim-3.jpg


ing-2.jpg

R (2).jpg

b8.jpg

Show all

Recruiter view job page











Recruiter Portal

- Profile Details
- View Jobs
- Add New Job
- Check Applicant list
- Change Password
- Update Details
- Search Candidate
- Upload Company Logo

Toggle Menu

Available Jobs

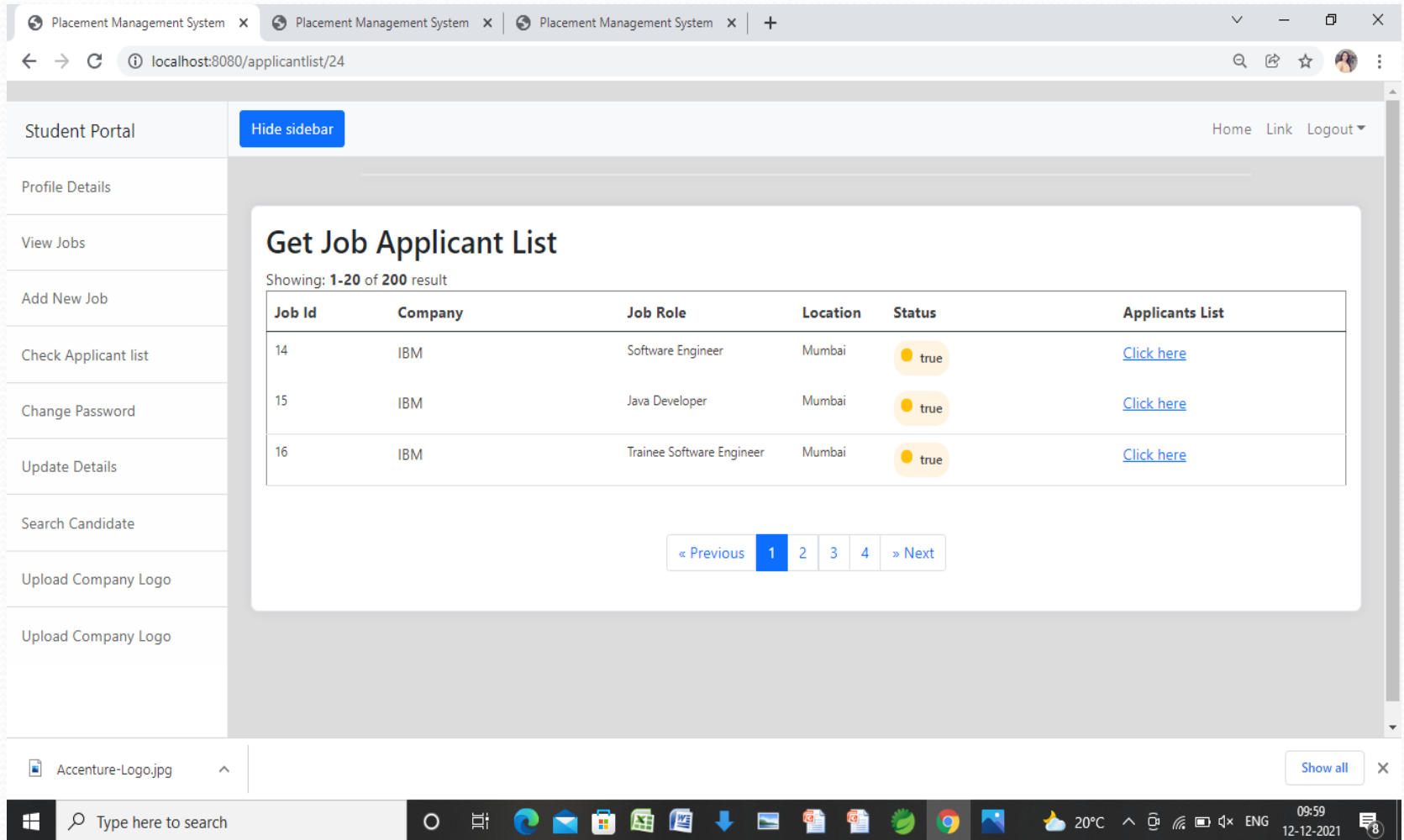
Logo	Company	Job Role	Job Description	Location	Package(LPA)	Post Date	Expiry Date	Action
	IBM	Software Engineer	Software Engineer	Mumbai	4	2022-01-09	2021-11-29	Edit Delete
	IBM	Java Developer	Java Developer	Mumbai	3	2022-01-09	2021-12-12	Edit Delete
	IBM	Trainee Software Engineer	Trainee Software Engineer	Mumbai	2	2021-12-25	2021-12-09	Edit Delete

 1390420312000-ib-...jpg
  Kyoung-Kim-3.jpg
  ing-2.jpg
  R (2).jpg
  b8.jpg
 [Show all](#)

Type here to search

09:38 12-12-2021

Recruiter applicant list page



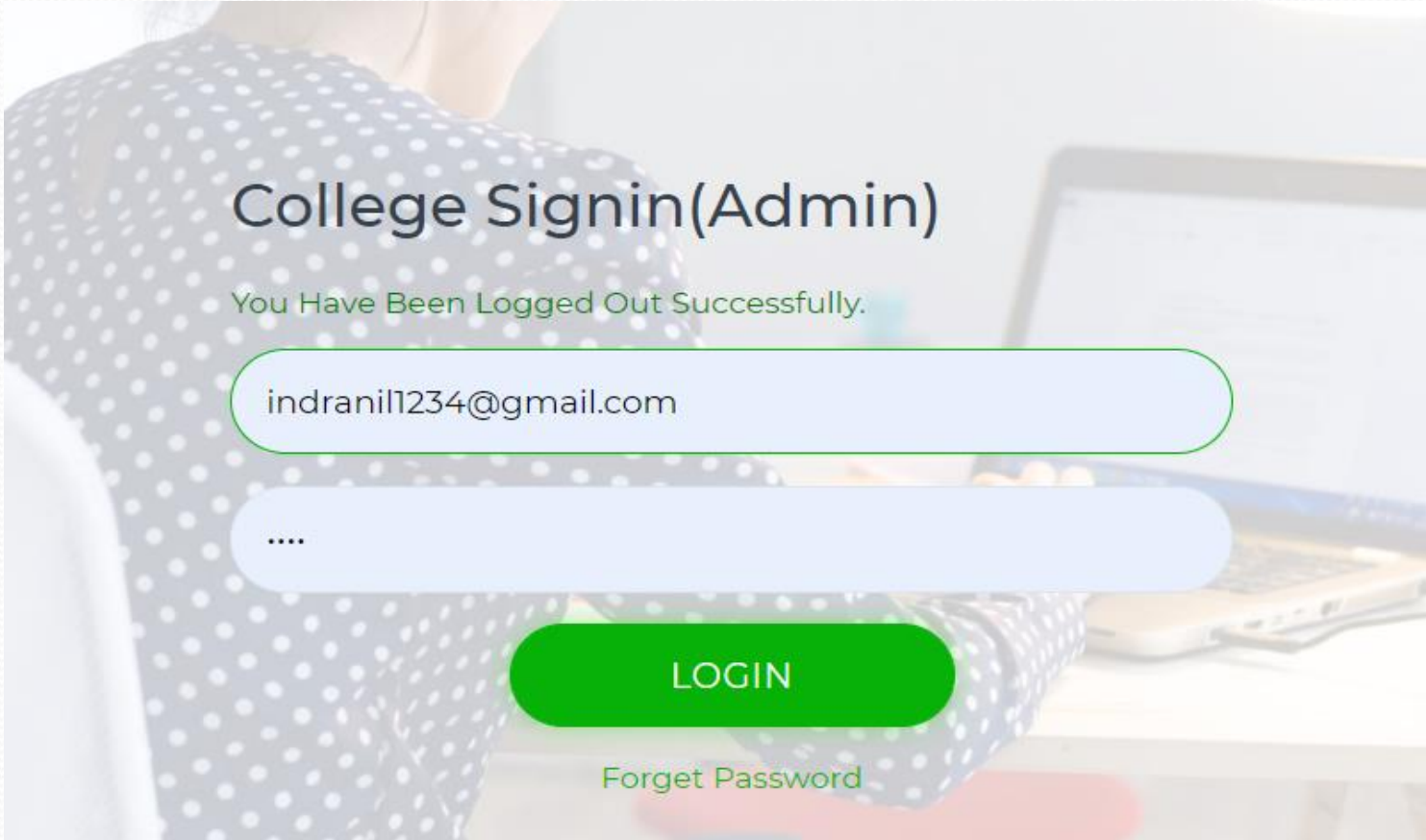
The screenshot displays a web application interface for a recruiter. The browser's address bar shows the URL `localhost:8080/applicantlist/24`. The application has a sidebar on the left with the following links: Student Portal, Profile Details, View Jobs, Add New Job, Check Applicant list, Change Password, Update Details, Search Candidate, Upload Company Logo, and another Upload Company Logo. A 'Hide sidebar' button is located at the top of the sidebar. The main content area is titled 'Get Job Applicant List' and shows 'Showing: 1-20 of 200 result'. It contains a table with the following data:

Job Id	Company	Job Role	Location	Status	Applicants List
14	IBM	Software Engineer	Mumbai	● true	Click here
15	IBM	Java Developer	Mumbai	● true	Click here
16	IBM	Trainee Software Engineer	Mumbai	● true	Click here

Below the table is a pagination control with the following buttons: « Previous, 1, 2, 3, 4, » Next. The '1' button is highlighted. At the bottom of the page, there is a file upload area for 'Accenture-Logo.jpg' with a 'Show all' button. The Windows taskbar at the bottom shows the time as 09:59 on 12-12-2021.

Admin manage Student page

Admin Login Page

A mockup of an admin login page. The background is a blurred image of a person with dark hair wearing a blue polka-dot shirt, sitting at a desk with a laptop. The login form is centered and consists of a title, a status message, two input fields, a login button, and a link.

College Signin(Admin)

You Have Been Logged Out Successfully.

indranil1234@gmail.com

....

LOGIN

[Forget Password](#)

Admin manage Student page

Placement Manage

Placement Manage

Placement Manage

passport size photo

ibm logo - Bing image

1390420312000-ibm-l

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localhost:8080/smanage

Home Link Logout

Admin Portal

Manage Student

Manage Recruiter








View Jobs

Non-Placed Candidates List

Placed Candidates

Change Password

Registered Student List

Picture	Name	Course	Branch	Location	Grad(%)	Contact	Email	Resume	Action
	Monojit	B-Tech	cse	Sakirda	87.0	7980751561	monojit321@gmail.com	Download	Delete
	Manasi Samanta	B-Tech	cse	Bikrampur	87.0	7980751561	manasi123@gmail.com	Download	Delete
	Rai Panja	B-Tech	EE	Debra	90.0	234565980	rai321@gmail.com	Download	Delete
	Rihaan Sau	B-Tech	cse	Raipur	99.0	7896324578	rihaan123@gmail.com	Download	Delete
	Aiden Samanta	B-Tech	CSE	Basdebpur	99.0	9745898090	aiden123@gmail.com	Download	Delete
	Suvamay Roy	B-Tech	IT	Radhakantapur	98.0	9068457921	suva678@gmail.com	Download	Delete
	Moumita Mandal	B-Tech	CSE	Kilkata	90.0	7976995634	moumita123@gmail.com	Download	Delete

1390420312000-ibm.jpg

Kyoung-Kim-3.jpg

ing-2.jpg

R (2).jpg

b8.jpg

Show all

Type here to search

20°C

09:38

12-12-2021

Admin manage recruiter page

Placement Management System

Placement Management System

Placement Management System

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localhost:8080/rmanage

Home

Link

Logout

Admin Portal

Manage Student

Manage Recruiter

View Jobs








Non-Placed Candidates List

Placed Candidates

Change Password

Toggle Menu

Registered Recruiter List

Logo	Id	Name	Company	Contact	Email	Website	Action
	13	Sukhen Samanta	TCS	8697350790	sukhen890@gmail.com	www.tcs	Delete
	14	Sumen Das	Capgemini	9057852431	sumen567@gmail.com	www.capgemini	Delete
	16	Sonali Panja	Bitcanny	8635875690	sonali1234@gmail.com	www.bit	Delete
	17	Asish Roy	Kids World	9067496321	asish12345@gmail.com	www.kidsworld	Delete
	19	Akash Das	Wipro	4	akash1234@gmail.com	www.wipro	Delete
	21	Jennie Semie	Accenture	9084673211	jennie321@gmail.com	www.accenture	Delete
	24	Dinesh Panja	IBM	7980751214	dinesh345@gmail.com	www.ibm	Delete

Admin manage jobs page

Placement Management System

Placement Management System

Placement Management System

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localhost:8080/jmanage

Admin Portal

Manage Student

Manage Recruiter

View Jobs

Non-Placed Candidates List

Placed Candidates

Change Password

Toggle Menu

Home Link Logout

Job List

Id	Company	Location	Salary	Post Date	Expiry Date	Action
9	TCS	Mumbai	3	2022-01-08	2021-11-29	Delete
10	Capgemini	Bangalore	3	2022-01-04	2021-11-30	Delete
11	Bitcanny	kolkata	3	2022-01-06	2021-12-01	Delete
12	Kids World	kolkata	3	2022-01-07	2021-11-29	Delete
13	Wipro	Pune	5	2022-01-09	2021-12-01	Delete
14	IBM	Mumbai	4	2022-01-09	2021-11-29	Delete
15	IBM	Mumbai	3	2022-01-09	2021-12-12	Delete
16	IBM	Mumbai	2	2021-12-25	2021-12-09	Delete
17	Accenture	Bangalore	3	2022-01-08	2021-12-02	Delete

Admin non-placed candidate page

Placement Management System x Placement Management System x Placement Management System x +

localhost:8080/nonplacedlist

Toggle Menu Home Link Logout

Admin Portal

Manage Student

Manage Recruiter

View Jobs

Non-Placed Candidates List

Placed Candidates

Change Password

Placed Candidates

Student Id	Student Name	Company	Job Role	Location	Status
5	Rai Panja	Kidsworld	Software Engineer	kolkata	Applied
5	Rai Panja	Wipro	Software Engineer	Banglore	Applied
7	krishna	Kidsworld	Software Engineer	kolkata	Applied
3	Manasi Samanta	Wipro	s/w	Banglore	Applied
3	Manasi Samanta	Capgemini	S/E	Mumbai	Applied
3	Manasi Samanta	kidsWorld	s/w	kolkata	Applied
3	Manasi Samanta	Wipro	Software test	pune	Applied
15	Rihan Sau	Capgemini	Java Developer	Bangalore	Applied
15	Rihan Sau	Wipro	s/w	Banglore	Applied
3	Manasi Samanta	KidsWorld	S/T	Banglore	Applied
3	Manasi Samanta	Capgemini	Java Developer	Bangalore	Applied
3	Manasi Samanta	TCS	Software Engineer	Mumbai	Applied

Admin placed candidate page

The screenshot shows a web browser window with three tabs, all titled "Placement Management System". The address bar shows the URL "localhost:8080/placedlist". The page has a sidebar menu on the left with the following items: "Admin Portal", "Manage Student", "Manage Recruiter", "View Jobs", "Non-Placed Candidates List", "Placed Candidates", and "Change Password". The "Placed Candidates" item is selected. The main content area is titled "Placed Candidates" and contains a table with the following data:

Student Id	Student Name	Company	Job Role	Location	Status
3	Manasi Samanta	Bitcanny	Software Engineer	kolkata	Hired
3	Manasi Samanta	Kids World	Java Developer	kolkata	Hired
3	Manasi Samanta	TCS	Software Engineer	Mumbai	Hired
1	Monojit	TCS	Software Engineer	Mumbai	Hired
20	Aiden Samanta	TCS	Software Engineer	Mumbai	Hired
22	Suvmay Roy	TCS	Software Engineer	Mumbai	Hired
23	Moumita Mandal	TCS	Software Engineer	Mumbai	Hired
23	Moumita Mandal	IBM	Java Developer	Mumbai	Hired

The Windows taskbar at the bottom shows the search bar with the text "Type here to search", several application icons, and the system clock displaying "10:13 12-12-2021".

Conclusion

The Placement Management System was developed as an attempt to take a record of company and students by restricting such a large database to that of a particular class of students or company.. The System provides the facility of viewing both the personal and academic information of the student and company it can also search for eligible students and company and also insertion and deletion of records by the administrator. The GUI used for the project provide instruction and the various actions performed on button clicks or on selection of items, guide the user through a series of pages as in the Project .



THANK YOU!