



# CSE-5335: Presentation

Team Members :

Thangaraj, Arvind - 1002114888

Thelagathoti, Kamal Dheeraj - 1002121328

Talluri, Lavanya - 1002082468

Tirukoti, Sricharitha - 1002073395

Sawant, Omeya Dinesh - 1001389358

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Section: 5335-002

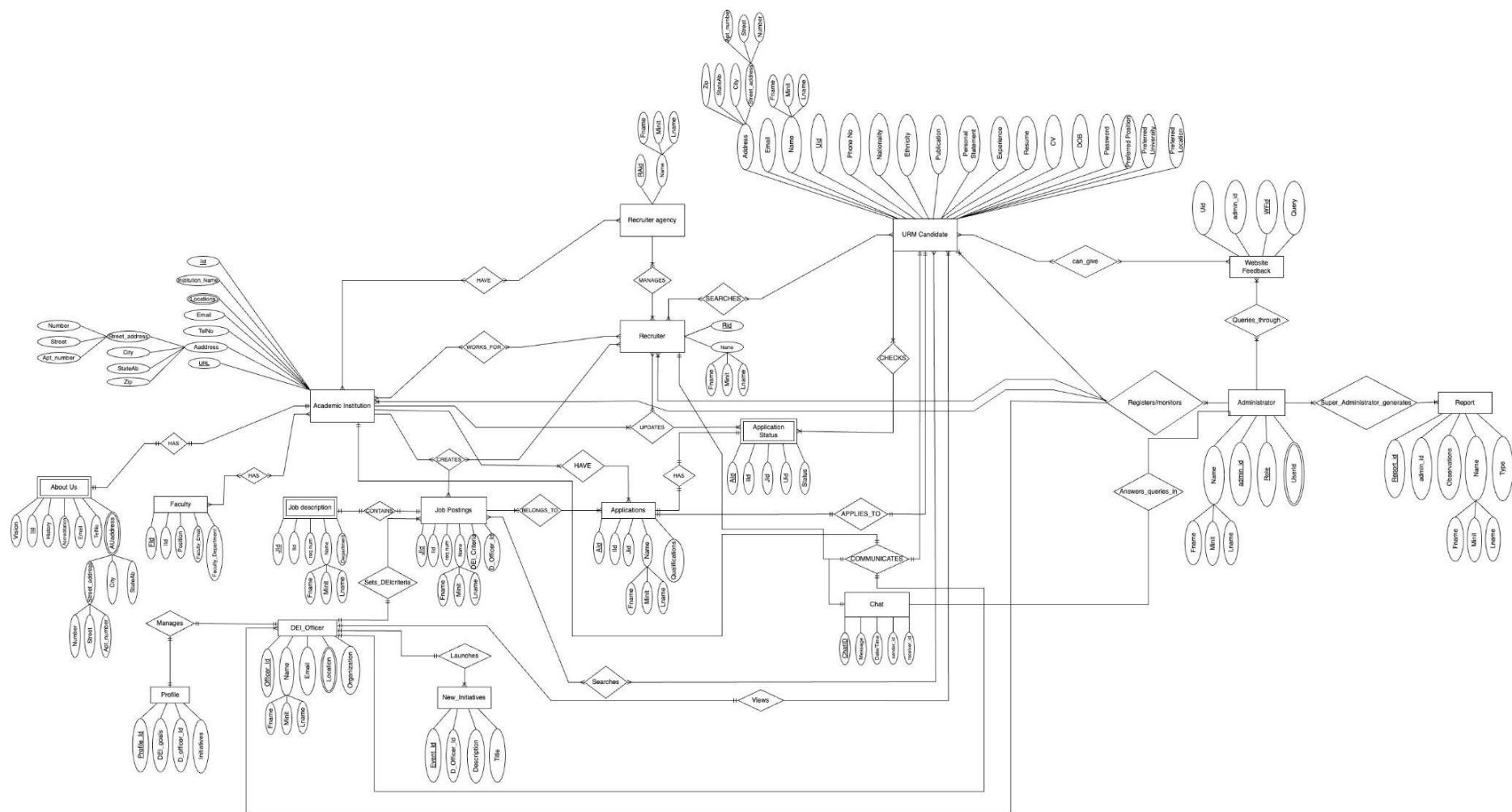
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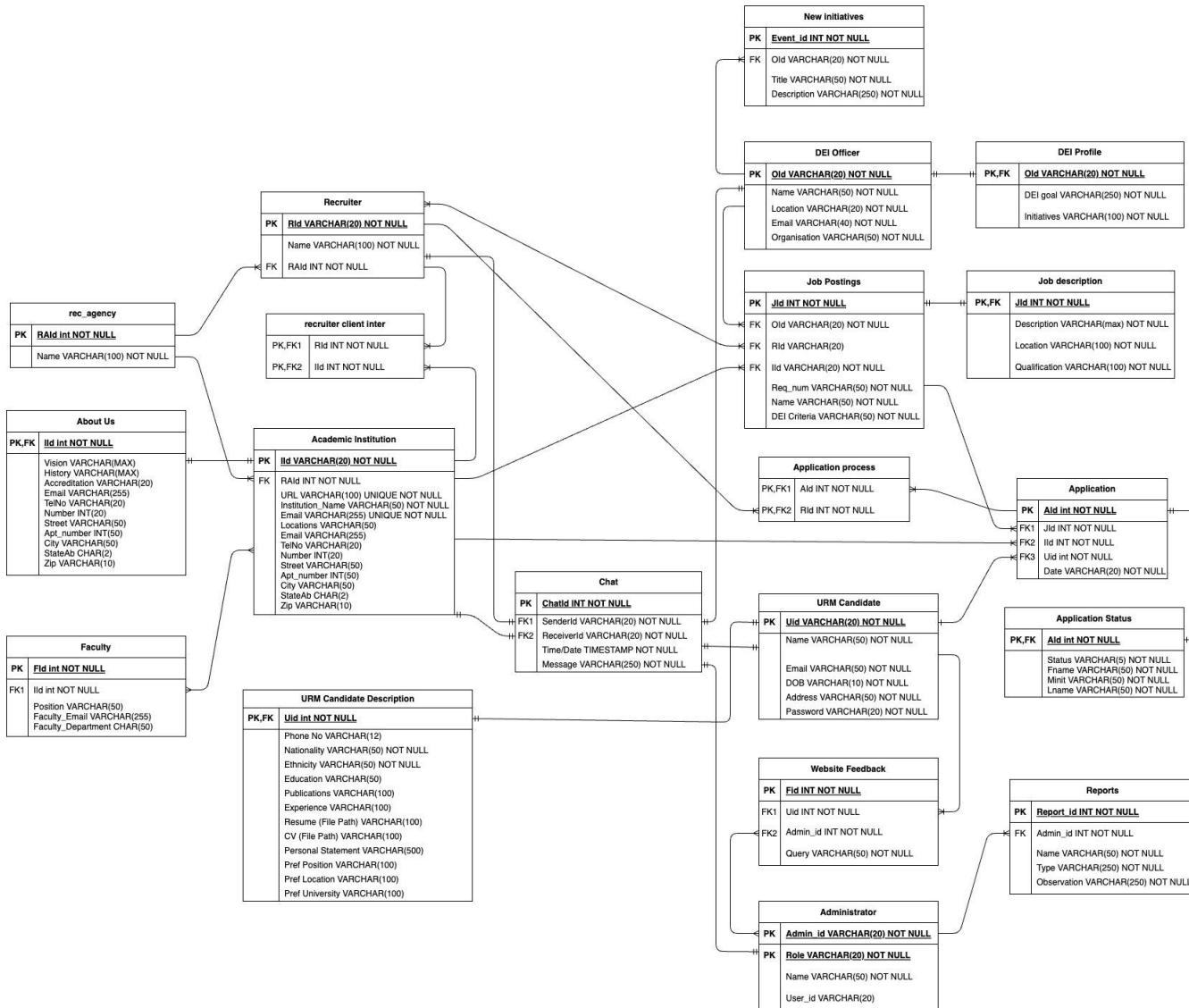
# PHASE 5 Demo

ER Diagram and Relational Schema

# ER DIAGRAM



# SCHEMA DIAGRAM



# PHASE 5 Demo

Pages before Login

# SEMINAR Demo

Page : Main Home Page

The screenshot shows the main home page of the URM Applications website. At the top, there is a light blue header bar with the text "URM APPLICATIONS". Below this is a dark blue main content area. In the center of the dark blue area, the title "URM Applications" is displayed in a large, bold, white font. Below the title, a descriptive paragraph in white text reads: "Providing Academia a list of potential underrepresented minority (URM) candidates for PhD studies, postdoc, and faculty positions". At the bottom of the page, there is a footer section divided into three columns. The first column contains the text "Our Story", "We have helped over 100 students", and a "Learn More >" link. The second column contains the text "Services", "We Offer a variety of services", and a "Learn More >" link. The third column contains the text "Academia Registration" and "Register >".

- The Home page consists of the introduction to the web application, it serves as a brochure to inform about the application.
- The navbar at the top of the page can take the user to various pages that are before the login operation of user.

# SEMINAR Demo

## Page : About Us Page

URM APPLICATIONS

Home    About    Services    Contact Us    Blog    Login    Register

### About us

This website can provide a useful platform for academia, to find potential URM candidates for PhD studies, postdoc, and faculty positions, and help bridge the gap in representation in academia. And for the URM to find possible Academia positions as well as for recruiters and DEI officers . It is a user-friendly dashboard that includes all the necessary options and features can improve the user experience and increase the likelihood of successful matches between academia and potential URM candidates. Overall, it's important to have a system in place to share and promote successful matches between URM candidates and academia. This can help build trust and credibility in the website and encourage more participation from both parties. URM The URM candidate dashboard can show information such as the number of applications submitted, the status of their applications, and any new job postings that match their preferences. They can also have access to their profile information and edit it as needed. Additionally, they can access any messages or chat requests from academic institutions and recruiters. Academia The academic institution can have a registrant page where they can create and manage their profile. They can provide information about their institution, such as their research focus areas, faculty The academic institution dashboard can show information such as the number of job postings, the status of applications received, and the number of URM candidates interested in their postings. They can also have access to their profile information and edit it as needed. Additionally, they can access any messages or chat requests from URM candidates or recruiters. Recruiter The recruiter dashboard can show information such as the number of job postings, the status of applications received, and any new URM candidates that match their clients' preferences. They can also have access to their profile information and edit it as needed. Additionally, they can access any messages or chat requests from URM candidates or academic institutions. DEI Officer The DEI Officer dashboard can show information such as the number of job postings that meet DEI criteria, the number of URM candidates interested in those postings, and any new DEI-focused initiatives or events that have been launched. They can also access any messages or chat requests from URM candidates, academic institutions, and recruiters that are seeking to promote diversity and equity in their hiring practices. Additionally, they can review and approve job postings to ensure they align with DEI goals and initiatives.

- The About Us page informs the user about the functionalities and workings of the application.
- It serves as an informational page which explain the purpose of this application and it's basis of operation.

# SEMINAR Demo

## Page : Contact Page

URM APPLICATIONS

Home About Services Contact Us Blog Login Register

**DIRECT MESSAGE**

Name

Email

Inquiry

**CONTACT DETAILS**

+91 111 111 000

support@academia.com

Like Us

Follow Us

- The Contact page consists of the introduction to the web application, it serves as a brochure to inform about the application.
- The navbar at the top of the page can take the user to various pages that are before the login operation of user.

# SEMINAR Demo

## Page : Registration Page

The screenshot shows a registration form titled "CREATE ACCOUNT". The form is divided into two columns. The left column contains fields for "First Name" (with placeholder "Enter initial name") and "Email" (with placeholder "Enter email"). The right column contains fields for "Last Name" (with placeholder "Enter surname") and "Address" (with placeholder "Enter your address"). Below these are fields for "Phone" (containing "29 123-456-7890") and "Role" (a dropdown menu showing "...Select Role..."). The bottom row contains fields for "Password" (placeholder "Enter password") and "Confirm Password" (placeholder "Confirm password"). A "Signup" button is located at the bottom left of the form.

URM APPLICATIONS

Home About Services Contact Us Blog Login Register

CREATE ACCOUNT

First Name

Last Name

Email

Address

Phone

Role

Confirm Password

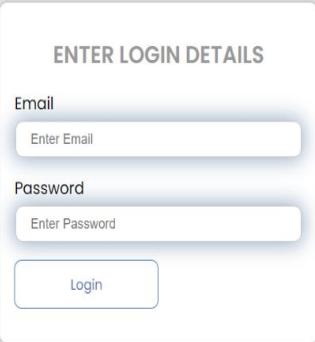
- The Registration page is used to register a new user and by sending a request to be registered to the administrator of the application.
- The fields required for a user to register are the Name, E-Mail, Password, Address and Phone Number along with the role they are requesting to register as..

# SEMINAR Demo

Login Landing

# SEMINAR Demo

## Page : Login Page



The screenshot shows a light gray header bar with the text "URM APPLICATIONS" on the left and a navigation menu on the right containing links for Home, About, Services, Contact Us, Blog, Login, and Register. Below the header is a large, semi-transparent light gray overlay covering most of the page. In the center of this overlay is a white rectangular form with a rounded border. The form has a title "ENTER LOGIN DETAILS" at the top. It contains two input fields: one labeled "Email" with the placeholder "Enter Email" and another labeled "Password" with the placeholder "Enter Password". At the bottom of the form is a blue-outlined "Login" button.

- The Login page requires a registered user to provide their E-Mail and Password to login.
- These two parameters are necessary to distinguish the users and using them will direct them to their respective dashboards according to their roles.

# SEMINAR Demo

Pages after Login

# SEMINAR Demo

## Page : Academic Institute Dashboard

The dashboard features a sidebar with user profile and navigation links. The main area displays three primary sections: Research Focus Area, Job Openings, and Faculty.

**Research Focus Area:**

RESEARCHERS	RESEARCH
Researcher1	Data Mining Research
Researcher2	Artificial Intelligence Research
Researcher3	Data Mining Research
Researcher4	Web Data Management Research

**Job Openings:** 15 are open

Post Doctorate	Research: Artificial Intelligence	Create
Professor	Subjects: Data Mining	Delete
Professor		Delete

**Faculty:**

PROFESSOR	COURSE	SECTION
Prof1	Data Mining	DM-001
Prof2	Artificial Intelligence	AI-001
Prof3	Data Mining	DM-002
Prof4	Web Data Management	WDM-001

The academic institute dashboard is a comprehensive platform designed to enhance efficiency and streamline operations within the institute. It offers essential features, including displaying research focus areas, faculty details, and the number of job openings. Moreover, the dashboard empowers the institute to create and manage job postings, facilitating the recruitment process. Its user-friendly interface ensures easy navigation for all stakeholders, fostering a sense of community and encouraging collaboration among faculty and students.

# SEMINAR Demo

## Page : Create Job Posting

The screenshot shows the 'Job Postings' section of the dashboard. On the left is a dark sidebar with icons for Dashboard, Candidate, Chat, Profile, Matchings, Notifications, Blog, and Logout. The main area has a light gray header 'Job Postings'. Below it is a form with fields: 'Job Role' (Post Doctorate), 'Type Of Contract' (Data Mining), 'Courses' (Data Mining), 'Organization' (UTA), 'Salary' (\$), and an 'About Job' text area containing the word 'about'. At the bottom are two radio buttons for DEI approval ('Yes' or 'No') and a blue 'Create' button.

The academic institute dashboard allows administrators to post job openings with essential details such as job role, type of contract, courses, organization, salary, and job description. It also checks if job requirements meet Diversity, Equity, and Inclusion (DEI) criteria, seeking DEI approval when necessary. This streamlined process promotes transparency, inclusivity, and efficient recruitment to attract qualified candidates while aligning with the institute's values.

# SEMINAR Demo

## Page : Job Description



SRI

About the job posting

**Computer Science Tutor**  
Haltom City College  
Full-Time  
Salary: \$60/hour - \$80/hour

The Varsity Tutors platform has thousands of students looking for online College Computer Science tutors nationally and in Haltom City. As a tutor who uses the Varsity Tutors platform, you can earn good money, choose your own hours, and truly make a difference in the lives of your students.

**Why join our platform?**

Enjoy competitive rates and get paid 2x per week.  
Choose to tutor as much or as little as you want.  
Set your own hours and schedule.  
Get paired with students best-suited to your teaching style and preferences (from thousands of potential clients).  
Tutor online (i.e. "work remotely") using our purpose-built Live Learning Platform.  
Students can take adaptive assessments through the platform and share results to help you decide where to focus.  
We collect payment from the customers, so all you have to do is invoice the session.

**We Look For In a Tutor**

You have excellent communication skills and a friendly, approachable personality.  
You can show subject-matter expertise in College Computer Science.  
You have the ability to personalize lessons for each student.

**Discover all the ways you can reach students through the online platform:**

1-on-1 Online Tutoring: connect with an individual student for a highlv

**Number of Applicants: 30**

CANDIDATES	COURSE	PASSED OUT YEAR	STATUS
Cand1	Data Mining	2020	Received
Cand2	Artificial Intelligence	2020	In Progress
Cand3	Data Mining	2020	In Progress
Cand4	Web Data Management	2020	Selected
Cand5	Web Data Management	2019	Reviewing

The job description page on the academic institute dashboard provides detailed information about the job role, salary, and requirements. It also displays the total number of applicants and essential details for each candidate, such as their course, graduation year, and application status. This feature enhances transparency, enables efficient candidate management, and streamlines the recruitment process for the institute.

# SEMINAR Demo

## Page : Candidate Search Page

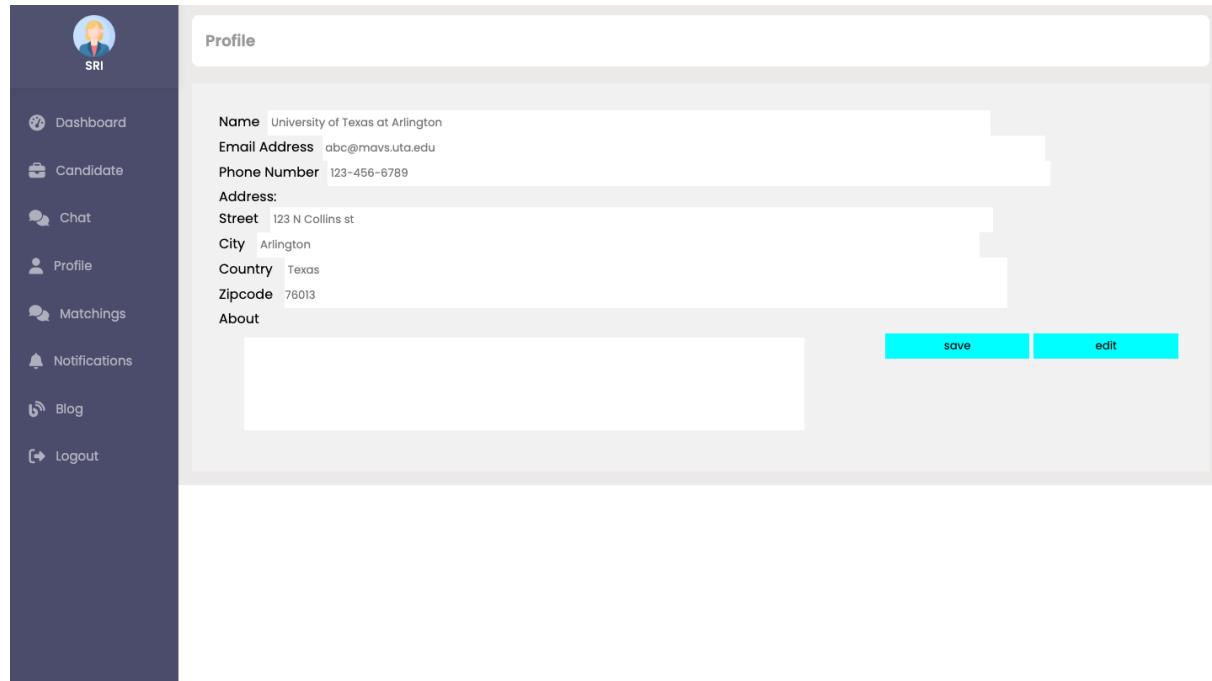
The screenshot shows the Candidate Search Page within a larger dashboard interface. On the left, a vertical sidebar menu includes options like Dashboard, Candidate, Chat, Profile, Matchings, Notifications, Blog, and Logout. The main search area features a search bar for 'Name' and 'Courses', a dropdown for 'Courses: All', and checkboxes for 'Type Of Contract' (Part-time, Full-time, Contract). A large teal 'Search' button is prominent. Below the search bar are two sections: 'Candidates' and 'Saved Candidates'. The 'Candidates' section lists four entries: Cand1 (Computer Science), Cand2 (Data Science), Cand3 (Information Science), and Cand4 (Data Science). Each entry has 'View' and 'Save' buttons. The 'Saved Candidates' section lists five entries: Cand3 (Information Science 2020), Cand4 (Data Science 2020), and Cand5 (Computer Science 2019). Each entry also has 'View' and 'remove' buttons.

Candidate ID	Major	Action Buttons
Cand1	Computer Science	[View] [Save]
Cand2	Data Science	[View] [Save]
Cand3	Information Science	[View] [Save]
Cand4	Data Science	[View] [Save]
Cand3	Information Science 2020	[View] [remove]
Cand4	Data Science 2020	[View] [remove]
Cand5	Computer Science 2019	[View] [remove]

The candidate search page on the academic institute dashboard provides an efficient platform for managing candidates. It allows administrators to view the total number of applicants, save eligible candidates, and search for applicants based on their academic courses and preferred type of contract (e.g., full-time, part-time, contract). This streamlined process simplifies candidate selection and helps find qualified individuals for various job roles within the institute.

# SEMINAR Demo

## Page : Profile



The screenshot shows the 'Profile' page of an academic institute's dashboard. On the left is a dark sidebar with a user icon and the acronym 'SRI'. The main area has a light gray header 'Profile'. Below it, there are several input fields with placeholder text and a large central area for an 'About' section that is mostly blank. At the bottom right are two buttons: a white 'save' button and a blue 'edit' button.

- Name University of Texas at Arlington
- Email Address abc@mavs.uta.edu
- Phone Number 123-456-6789
- Address:
- Street 123 N Collins st
- City Arlington
- Country Texas
- Zipcode 76013
- About

save edit

The profile page on the academic institute dashboard displays crucial information, including the institution's name, email, contact number, and address. It also allows authorized users to edit and save these details, ensuring accuracy and facilitating effective communication.

# SEMINAR Demo

## Page : Successful Matchings

The screenshot shows the 'Successful Matchings' section of the dashboard. On the left, there is a vertical sidebar with icons and labels: Dashboard, Candidate, Chat, Profile, Matchings, Notifications, Blog, and Logout. The main area has a header 'Successful Matchings'. It contains two tables: 'Candidates meet the Job requirements' and 'jobs that match with DEI'.

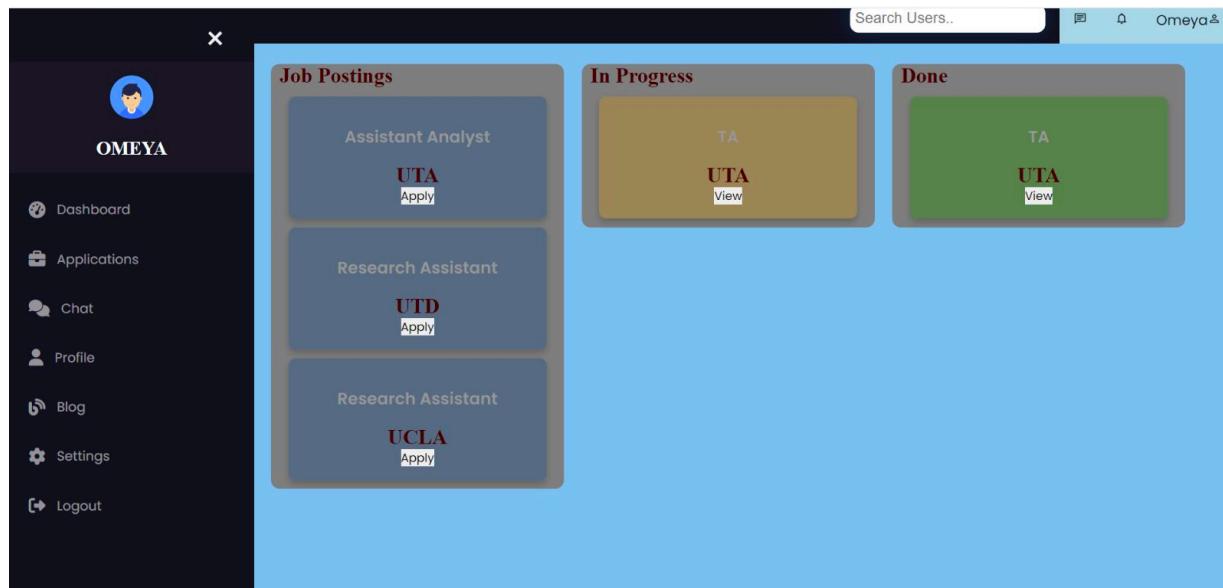
JOBS	COURSES	CANDIDATES
Professor	Data Mining	Cand2
Professor	Data Mining	Cand3
Research Assistant	Data Mining	Cand4
Professor	Data Mining	Cand1

JOBS	COURSES
Research Assistant	Data Mining
Professor	Data Mining
Research Assistant	Data Mining

The successful matching page on the academic institute dashboard provides crucial information about candidates who meet job requirements and matches for the Diversity, Equity, and Inclusion (DEI) officer role. This feature streamlines candidate selection and promotes diversity, ensuring that the institute recruits qualified individuals for various positions, including DEI officers.

# SEMINAR Demo

## Page : Candidate - Dashboard



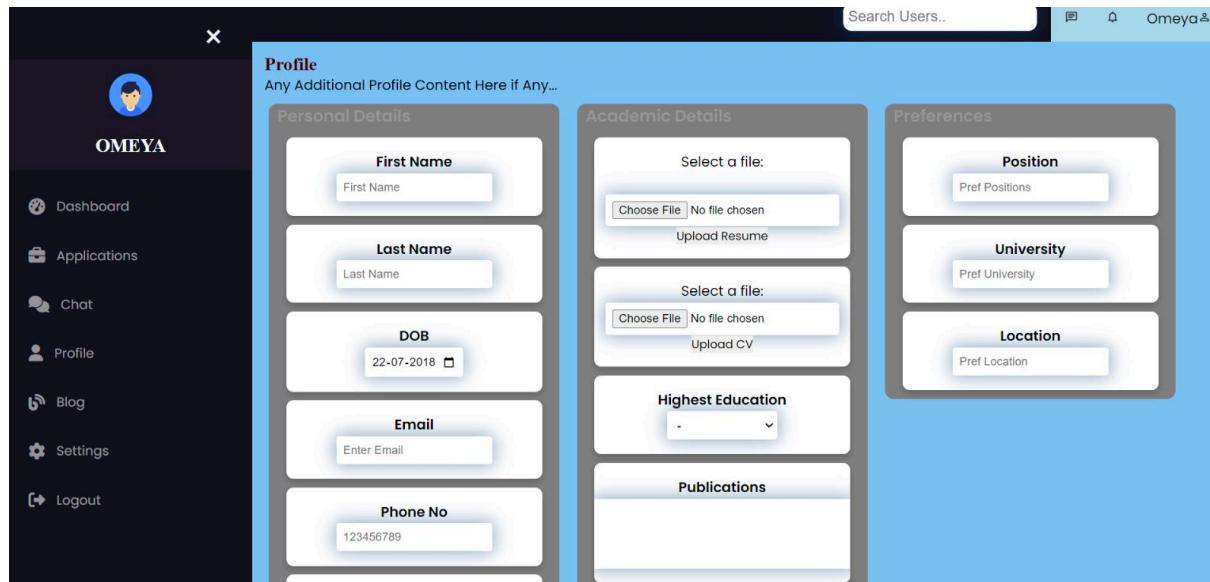
The screenshot shows the candidate dashboard interface. On the left is a dark sidebar with a user profile icon and the name "OMEYA". Below the profile are links for Dashboard, Applications, Chat, Profile, Blog, and Settings, along with a Logout button. The main content area has a light blue header bar with a search bar ("Search Users..") and a notification icon. The main content is divided into three sections: "Job Postings", "In Progress", and "Done".

- Job Postings:**
  - Assistant Analyst (UTA) - [Apply](#)
  - Research Assistant (UTD) - [Apply](#)
  - Research Assistant (UCLA) - [Apply](#)
- In Progress:** TA (UTA) - [View](#)
- Done:** TA (UTA) - [View](#)

Candidate can check all Job Postings, the applications in progress and completed applications.

# SEMINAR Demo

## Page : Candidate - Profile



The screenshot shows the 'Candidate - Profile' page. On the left is a dark sidebar with a user icon and the name 'OMEYA'. Below it are links for Dashboard, Applications, Chat, Profile, Blog, Settings, and Logout. The main content area has a light blue header bar with a search bar ('Search Users..') and a user icon ('omeya'). The main content is titled 'Profile' with the sub-instruction 'Any Additional Profile Content Here if Any...'. It is divided into three sections: 'Personal Details', 'Academic Details', and 'Preferences'. 'Personal Details' contains fields for First Name, Last Name, DOB (22-07-2018), Email (Enter Email), and Phone No (123456789). 'Academic Details' contains fields for Select a file: (Choose File, No file chosen, Upload Resume) and Select a file: (Choose File, No file chosen, Upload CV). It also includes dropdowns for Highest Education and Publications. 'Preferences' contains fields for Position (Pref Positions), University (Pref University), and Location (Pref Location).

Candidate can update his profile details such as name, ethnicity, nationality. They can also update their academic details and preferences.

# SEMINAR Demo

## Page : Candidate - Applications

The screenshot shows the Candidate Applications page. On the left is a dark sidebar with icons for Dashboard, Applications, Chat, Profile, Blog, Settings, and Logout. The main area has a light blue background.

- Applied Positions:** A table titled "POSITIONS" with two rows: TA and RA.
- Completed Applications:** A table with columns UNIVERSITY, POSITION, VIEW, and STATUS. It lists three entries:
  - UC San Diego, TA, View, Selected
  - NCSU, TA, View, Selected
  - Northeastern University, RA, View, In Review
- Saved Applications:** A table with columns UNIVERSITY, POSITION, VIEW, and COMPLETION. It lists one entry: UTA, RA, View, 70%.

At the top right is a search bar labeled "Search Users.." and the Omeya logo.

Candidates can check applied positions, status of completed applications and saved applications on the Applications Page.

# SEMINAR Demo

## Page : Candidate - Settings

The screenshot shows the 'Candidate - Settings' page. On the left is a dark sidebar with icons for Dashboard, Applications, Chat, Profile, Blog, and Settings, along with a Logout button. The main area has a light blue background. At the top right is a search bar labeled 'Search Users..'. Below it is the 'Account Details' section, which includes fields for 'Email' (with 'New Email' and 'Confirm Email'), 'Update Email', 'Change Password' (with 'Password' and 'Confirm Password'), and 'Update Password'. The 'OMEYA' logo is at the top of the sidebar.

Candidate can change login username and password in Settings Page.

# SEMINAR Demo

## Page : Recruiter - Dashboard

The screenshot shows the Recruiter Dashboard interface. On the left is a dark sidebar with a user profile icon and the name 'ARVIND'. The main area has a 'Dashboard' header. Below it are two tables: 'User Approval' and 'Application Status'.

**User Approval**

URM ID	NAME	EMAIL	APPROVAL
63	Omeya	omeyasawant1999@gmail.com	<button>Approve</button> <button>Reject</button>
69	Alex	alex123@gmail.com	<button>Approve</button> <button>Reject</button>
70	Katherine	katherine123@gmail.com	<button>Approve</button> <button>Reject</button>
71	Douglas	douglas@gmail.com	<button>Approve</button> <button>Reject</button>
72	Salice	salice@gmail.com	<button>Approve</button> <button>Reject</button>

**Application Status**

APP ID	URM ID	NAME	JOB ID	APP DATE	STATUS
4	5	John	5	2023-08-12	pending
6	36	Alex	7	2023-08-09	pending
9	9	Omeya	9	2023-08-12	selected
11	9	Jonathan	9	2023-08-12	pending
15	6	White	7	2023-08-09	rejected
17	8	Alexandra	9	2023-08-12	pending
19	4	Kent	5	2023-08-12	pending

- The recruiter dashboard comprises of multiple views and functionalities, that enables the recruiter to approve user registrations, has a view to application status, number of job postings and new profile matches.
- Adding to it, from these tables, you can access applications via application id and update them.

# SEMINAR Demo

## Page : Recruiter - Profile Update

The screenshot shows a user interface for updating a profile. On the left, a vertical sidebar menu is visible with the following items: Dashboard, Profile (which is currently selected and highlighted in blue), Jobs, Candidates, Interview, Applications, and Logout. The user's name, ARVIND, is displayed at the top of the sidebar. The main content area has a light gray header bar with the word "Profile". Below this, the title "Update Profile" is centered. The form fields are arranged in a grid-like structure:

Name:		
First	Middle	Last
Mobile Number:		
Enter mobile number		
Email ID:		
Enter email id		
Institutions Hiring:		
Enter the institutions		
Preferences:		
Enter the preferences		

A large blue "Submit" button is located at the bottom of the form.

The profile update page provides a way for the recruiter to update their profile, including relevant data like the Institutions they are hiring for and the preferences they look in the candidates.

# SEMINAR Demo

## Page : Recruiter - Job Postings

The screenshot shows a user interface for a job posting system. On the left is a vertical sidebar with a dark blue background and white text, featuring a profile icon and the name 'OMEYA'. The main content area has a light gray header with the word 'Jobs'. Below this is a section titled 'Job postings by Institutions' containing a table of job listings. The table has columns for JID, INSTITUTION, POSITION, and FIELD/SUBJECT. The data is as follows:

JID	INSTITUTION	POSITION	FIELD/SUBJECT
23675	University of Texas at Arlington	Teaching Assistant	Data Science
34567	University of Texas at Arlington	Research Assistant	Science
34786	University of Texas at Arlington	Teaching Assistant	CSE
43212	University of Texas at Dallas	Research Assistant	CSE
78342	University of North Texas	Teaching Assistant	Data Science
98023	University of Texas at Dallas	Teaching Assistant	AI

At the bottom of the table is a blue button labeled 'Create Job Posting'.

The job postings pages comprises of all available postings for multiple institutions that the recruiter is working on. Additionally, from this page the recruiter can proceed on to create a job posting.

# SEMINAR Demo

## Page : Recruiter - Job description

The screenshot shows a user interface for a job posting. On the left is a dark sidebar with a user icon and the name "OMEYA". The main area has a header "Jobs" and a sub-header "Job Postings". Below this is the title "University of Texas at Arlington". The job details include:

- Designation:** Research Assistant
- Qualification:** Bachelors in Computer Science
- Work Hours:** 15 hours per week
- Pay Scale:** \$12 per hour
- Preferred location:** India
- Preferred Ethnicity:** Asian

**Responsibilities:**

As a research assistant, your duties will include gathering experimental data, creating presentations, and editing written materials. The ability to follow instructions and protocols given by primary researchers is essential to success in this capacity. The complete and timely completion of all research and documentation serves as a sign of accomplishment in this function.

As an additional functionality linked to jobs category, every job posting is linked to a job description page that gives a detailed description about the job, including a brief description.

# SEMINAR Demo

## Page : Recruiter - New Job Posting

The screenshot shows a user interface for creating a new job posting. On the left, there's a sidebar with a profile icon and the name 'OMEYA'. The main area is titled 'Jobs' and 'New Job posting'. It includes fields for job ID, institution name, job role, department, hours per week, pay per hour, preferred ethnicity, preferred location, and job description. A prominent blue 'Create' button is at the bottom.

The new job posting page allows the recruiter to create new posting, that obtains multiple details like ethnicity, location preferences along with the description and pay related details.

# SEMINAR Demo

## Page : Recruiter - Search Candidates

The screenshot shows a user interface for a recruitment platform. On the left, a dark sidebar menu lists navigation options: Dashboard, Profile, Jobs, Candidates, Interview, Applications, and Logout. The main content area has a header 'Candidates' and a sub-header 'Search for Candidates'. It features a search input field labeled 'Candidate name:' with the placeholder 'Enter the name' and a blue 'Search' button below it.

Recruiter can search for candidates based on the requirements from the institutions and get the matching candidates and them setup interview with them for the designated role.

# SEMINAR Demo

## Page : Recruiter - Candidates result

The screenshot shows a user interface for a recruitment application. On the left is a dark sidebar with a user profile icon and the name 'ARVIND'. The main area has a header 'Candidates' and a sub-header 'Candidate details'. Below this is a table with columns 'ATTRIBUTES' and 'DETAILS'. The data rows are:

ATTRIBUTES	DETAILS
Name	Alex
URM ID	69
Qualification	
Address	1121 UTA Blvd.
Location	
Ethnicity	
Contact	+16782348978
Email	alex123@gmail.com

At the bottom of the table is a green button labeled 'Interview candidate'.

Based on the input from the recruiter, matching candidates with matching features would be generated, and the recruiter can select them for the interview.

# SEMINAR Demo

## Page : Recruiter - Interview Candidate

The screenshot shows the 'Candidate Interview' page. On the left is a dark sidebar with a user icon and the name 'OMEYA'. The main area has a light gray header 'Candidate Interview'. Below it are two sections: 'Job posting details' and 'Candidate details'. 'Job posting details' contains a 'Job posting ID:' field with placeholder 'Enter Job ID'. 'Candidate details' contains a 'URM ID:' field with placeholder 'Enter URM ID'. Below these are fields for 'Interview No.' (placeholder 'Enter Interview No.') and date/time inputs ('Date of Interview:' mm/dd/yyyy and 'Time of Interview:'). Further down are fields for 'Application No.' (placeholder 'Enter Application No.') and 'Meeting link:' (placeholder 'Paste meeting link here'). At the bottom is a text area for 'Additional note to Candidate:' (placeholder 'Enter notes to candidate') and a large blue 'Send' button.

- The recruiter can set interview for any candidate when matching profiles are obtained based on the requirements from the institutions.
- To facilitate the interview, details about the interview like the date, time would be assigned by the recruiter to the candidate.

# SEMINAR Demo

## Page : Recruiter - Application Status Update

The screenshot shows a web application interface for a recruiter. On the left is a dark sidebar with a user icon and the text "OMEYA". Below the icon are links for "Dashboard", "Profile", "Jobs", "Candidates", "Interview", "Applications", and "Logout". The main content area has a header "Applications" and a sub-header "Application Status". It displays two sections: "Application details" and "Update Application Status". The "Application details" section shows the following information:

- Application ID: 12343
- URM Id: 23443
- Job posting Id: 54354
- Status: selected
- Applied on: 2023-07-03

The "Update Application Status" section contains fields for:

- Date of Interview: mm/dd/yyyy (with a calendar icon)
- Interview No: (input field)
- Update Status: (dropdown menu showing "Selected")
- Additional notes: (input field)

A blue "Update" button is at the bottom of this section.

- Following to having a view on the application status, the recruiter can also update the application status based on the interview conducted for the candidates.
- The updated information will also be updated in the dashboard for the recruiter's view.

# SEMINAR Demo

## Page : DEI Dashboard

The screenshot shows the DEI Officer Dashboard with the following sections:

- New Events**: A table listing events with columns for Event Date and Event Description.

EVENT DATE	EVENT DESCRIPTION
August 5	International Day of the World's Indigenous People
August 15	India Independence Day
August 17	Marcus Garvey Day
August 26	Women's Equality Day
- Job Openings - meet DEI**: A section displaying job postings with a "Set Preferences" button.

Post Doctorate
Research: Artificial Intelligence

Professor
Subjects: Data Mining

Professor
Subjects: Data Mining
- New Initiatives**: A table listing initiatives with columns for SNO and INITIATIVE\_DESCRIPTION.

SNO	INITIATIVE_DESCRIPTION
1	Inclusion and Diversity Trainings
2	Employee Resource Group (ERG'S)
3	Recruitment and Hiring Practices
4	Policy Changes

- This screenshot displays the DEI Officer Dashboard.
- New Events : The DEI officer will be able edit and save the details of the new events.
- New Initiatives: The DEI officer will be able to edit and save the details of the initiatives organized.
- Job Openings: It displays all the job postings that meet the DEI requirements.

# SEMINAR Demo

Page : DEI Dashboard/Job Postings  
that meet DEI/**Set Preferences**

The screenshot shows a user interface for setting job preferences. On the left is a dark sidebar with a profile picture of 'LAVANYA' and links for Dashboard, Candidate, Chat, Profile, Matchings, Notifications, Blog, and Logout. The main area has a header 'DEI Jobs'. It contains several dropdown menus: 'Job Role' (Post Doctorate), 'Type Of Contract' (Data Mining), 'Courses' (Data Mining), 'Organization' (redacted), and 'Salary' (redacted). A 'Comments' section is also present. At the bottom, there's a message 'If job requirements meet Diversity, Equity, and Inclusion then Approve or Reject' followed by two radio buttons ('Accept' and 'Reject') and a blue 'Set Preferences' button.

- This is the Set Preferences Page.
- The DEI officer can set their preferences about the type of contract, course preferences,salary.
- If the job requirements meet the DEI criteria ,he can approve or reject the candidate.

# SEMINAR Demo

## Page : Candidate Search Page

The screenshot shows the Candidate Search Page. On the left is a vertical sidebar with a user profile for 'LAVANYA' and links for Dashboard, Candidate, Chat, Profile, Matchings, Notifications, Blog, and Logout. The main content area has a search bar at the top with fields for Name, Courses (set to All), Type Of Contract (Part-time, Full-time, Contract), and a 'Search' button. Below the search bar are two sections: 'Candidates' and 'Saved Candidates'. The 'Candidates' section lists four entries: Cand1 (Computer Science) with 'View' and 'Save' buttons; Cand2 (Data Science) with 'View' and 'Save' buttons; Cand3 (Information Science) with 'View' and 'Save' buttons; and Cand4 (Data Science) with 'View' and 'Save' buttons. The 'Saved Candidates' section lists three entries: Cand3 (Information Science 2020) with 'View' and 'remove' buttons; Cand4 (Data Science 2020) with 'View' and 'remove' buttons; and Cand5 (Computer Science 2019) with 'View' and 'remove' buttons.

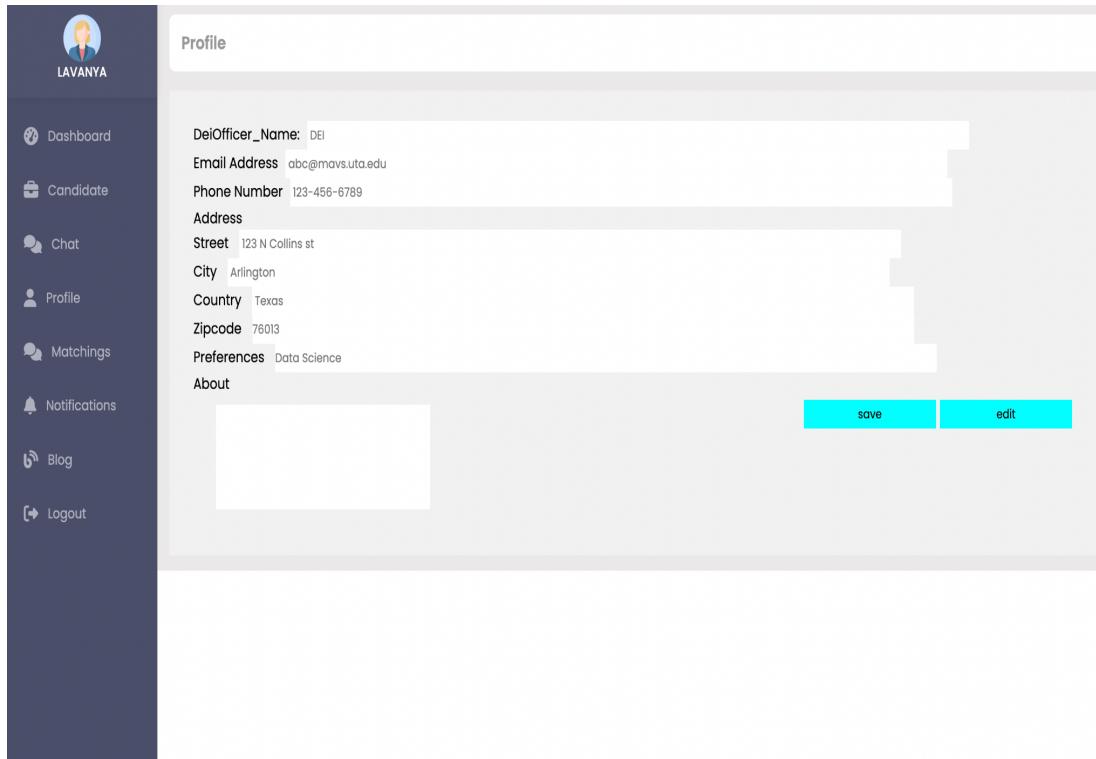
Candidates	
Cand1	Computer Science
Cand2	Data Science
Cand3	Information Science
Cand4	Data Science

Saved Candidates	
Cand3	Information Science 2020
Cand4	Data Science 2020
Cand5	Computer Science 2019

- The screenshot displays the Candidate Search Page.
- The DEI officer can search the candidates by using name, courses and type of contract they are looking for.
- He will also be able to save the candidates with their details.

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## Page : DEI Profile



The screenshot shows the DEI Profile page. At the top left is a user icon labeled "LAVANYA". The main content area has a title "Profile". Below it, there are several input fields with placeholder text:

- DeiOfficer\_Name: DEI
- Email Address: abc@mavs.uta.edu
- Phone Number: 123-456-6789
- Address:  
Street: 123 N Collins st
- City: Arlington
- Country: Texas
- Zipcode: 76013
- Preferences: Data Science
- About: [Redacted]

At the bottom right are two buttons: "save" and "edit".

- The screenshot displays the DEI profile.
- The DEI officer will be able to edit and update this basic details like DeiOfficer\_Name, Address, preferences and about page.

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## Page : Job Matchings

The screenshot shows a web browser window with the URL `localhost:5173/delofficer/matching`. The page is titled "Successful Matchings". On the left, there is a sidebar with a user profile picture of a woman and the name "LAVANYA". Below the profile are several menu items: Dashboard, Candidate, Chat, Profile, Matchings, Notifications, Blog, and Logout. The main content area has two tables. The first table, titled "Candidates meet the Job requirements", lists four rows of data:

JOBS	COURSES	CANDIDATES
Professor	Data Mining	Cand2
Professor	Data Mining	Cand3
Research Assistant	Data Mining	Cand4
Professor	Data Mining	Cand1

The second table, titled "jobs that match with DEI", lists four rows of data:

JOBS	COURSES
Research Assistant	Data Mining
Professor	Data Mining
Research Assistant	Data Mining

- This screenshot displays the Job matchings Page.
- The DEI Officer will be able to view all the jobs and candidates that meet the requirements.

# SEMINAR Demo

## Page : Notifications

The screenshot shows a user interface for a platform. On the left is a dark sidebar with a user profile picture of a woman and the name 'LAVANYA'. Below the profile are several menu items with icons: Dashboard (gauge), Candidate (briefcase), Chat (two speech bubbles), Profile (person), Matchings (two people), Notifications (bell), Blog (newspaper), and Logout (exit). The main area has a header 'Notifications' and a message 'No New Notifications'.

This screenshot displays all the notifications regarding the dashboard of DEI Officer.

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## Page : Administrator Dashboard/Home

The screenshot shows the Administrator Dashboard. At the top left is a 'Dashboard' button. Below it are four cards: 'Total Users' (10), 'Users Status' (1), 'User Strength' (Academia Members - 3, Candidates - 12, DEI Officers - 5), and 'Bugs/Error' (partially visible). Below these is a section titled 'Registration Requests' with a table:

NAME	E-MAIL	ACTIONS
Omeya	omeyasawant1999@gmail.com	<button>Approve</button> <button>Reject</button>
Alex	alex123@gmail.com	<button>Approve</button> <button>Reject</button>
Katherine	katherine123@gmail.com	<button>Approve</button> <button>Reject</button>
Douglas	douglas@gmail.com	<button>Approve</button> <button>Reject</button>
Salce	salce@gmail.com	<button>Approve</button> <button>Reject</button>

- The administrator dashboard displays the important functionalities that an Administrator is required to work with.
- Additionally, the user numbers status and strength is also displayed along with any reported bugs.
- The main operation to be done on this page is to approve or reject newly registered users.

# SEMINAR Demo

## Page : Administrator Manage Users Page

The screenshot shows a web-based application interface for managing users. On the left, there's a vertical sidebar with icons for Home, Manage Users, and Log Out. The main content area has a header "Manage Users".

**Job Postings:** This section displays a table of job postings:

JID	INSTITUTION	POSITION	FIELD/SUBJECT
23675	University of Texas at Arlington	Teaching Assistant	Data Science
34567	University of Texas at Arlington	Research Assistant	Science
34786	University of Texas at Arlington	Teaching Assistant	CSE
43212	University of Texas at Dallas	Research Assistant	CSE
78342	University of North Texas	Teaching Assistant	Data Science
98023	University of Texas at Dallas	Teaching Assistant	AI

**User Management:** This section contains fields for creating a new user:

- Role
- E\_Mail
- Password
- Name
- Address
- Phone

A green button labeled "Create New User" is at the bottom.

- The Manage Users page works with the current users and can view the job postings or create a new user with parameters.
- The postings are shown in the order they have been added in the table.
- The operation of creating a new user possible when given the required fields..

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## Page : Administrator Profile Page

The screenshot shows the 'Administrator Settings' page. On the left is a sidebar with a user icon and the name 'KAMAL'. The main area has a header 'Settings' and a sub-header 'Administrator Settings'. Below are five sections: 'Change E-Mail', 'Change Password', 'Change Password', 'Update Phone Number', and 'Update Address', each with a text input field. A green 'Update' button is at the bottom.

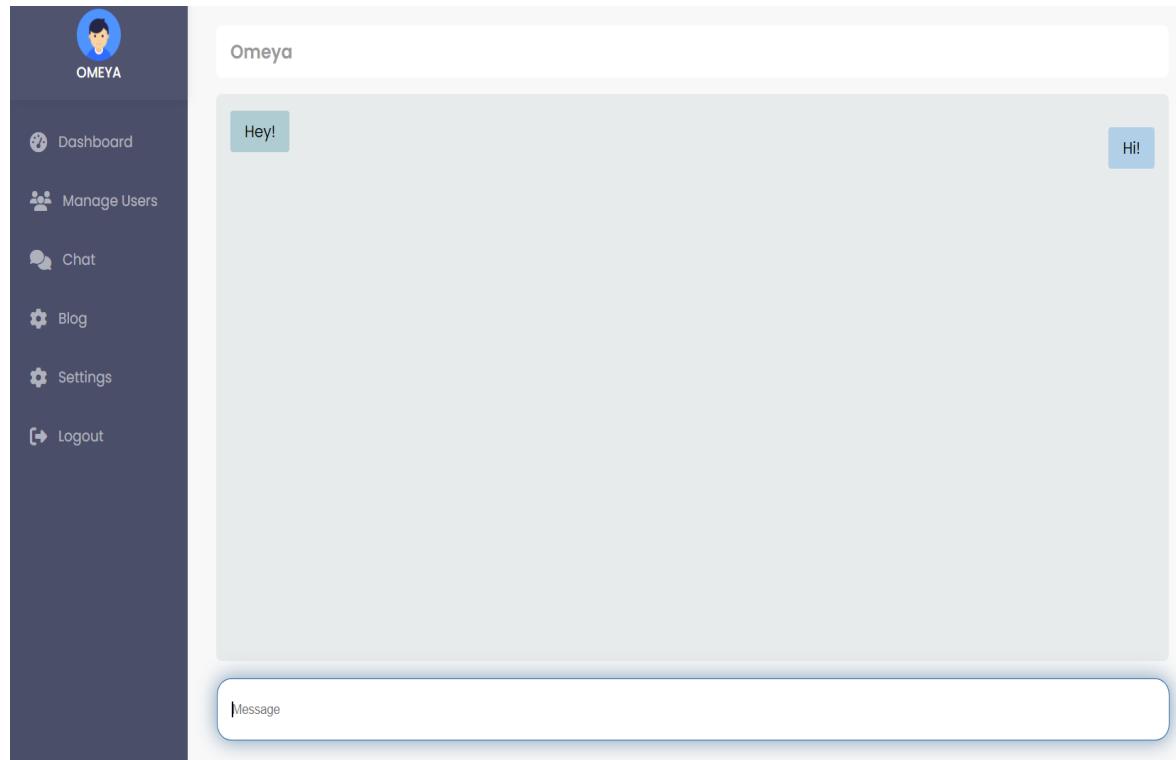
- The Settings Page can be used to change the Administrator's parameters.
- These parameters are similar to when the administrator first registers using the common registration page.
- The parameters can be changed/updated according to the input given in the text boxes.

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Node/Chat

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## Page : Chat



- The Chat is common among all dashboards and is used to communicate among the different users.
- It operates on a Session ID basis, which can help distinguish different users without overlapping.
- The chat works similar to a messaging system and can be helpful in asking queries or reporting any issues.

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Web Application Blog

# SEMINAR Demo

Page : Blog

REACT BLOG

Posts New Post Logout



REACT BLOGS

Advantages  
Feedback and Review  
July, 31 2023  
[Read](#)

Disadvanta  
System Complexity an  
July, 31 2023  
[Read](#)

Room for i  
System Complexity an  
July, 31 2023  
[Read](#)

- The blog was developed on the Wordpress framework, that requires users to login before creating new posts in the blog or reading a blog.
- The blog comprises of three blog posts, namely:
  - Advantages of the system
  - Disadvantages of the system
  - Room for improvement

# SEMINAR Demo

Page : Blog

REACT BLOG

Posts New Post Logout

## CREATE NEW BLOG

Title

Enter title

Thumbnail

No file chosen

Body

Post Content

This page enables the user to create a new post with the title and the body of the blog, along with the thumbnail associated with it.

# SEMINAR Demo

## Challenges faced

- During the initial phase, we focused on developing individual dashboards, facing time constraints that made it challenging to implement a common CSS for all dashboards.
- However, in subsequent phases, we addressed this issue, ensuring the website's uniform appearance and functionality across all dashboards by the end of the project.
- The process of working on individual dashboards and merging them into a cohesive website took considerably more time than anticipated. The tight time frames between each submission made it even more demanding, resulting in a significant workload.

# SEMINAR Demo

## Improvement

- One of the area of improvement would be accessibility.  
Ensuring the web application is accessible to all the users ,including those with disabilities, using best practices such as offering alternative text for images and ensuring easy keyboard navigation.
- Data visualization like infographics which would highlight the important information with added visuals.
- Scalability , managing increased traffic and data without compromising performance.
- Furthermore, the chat feature can also be developed to send images and files, which can give users a functionality and avoid using another service to exchange files.

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Future Addition to your Portfolio

- In the development of the URM application, we have gained invaluable hands-on experience by working with a diverse range of cutting-edge technologies, including HTML, CSS, React, JavaScript, Node.js, and Laravel. These experiences have strengthened our expertise and passion for creating innovative solutions and building dynamic web applications.



**Thank You**