



جامعة تكنولوجى مارا
UNIVERSITI
TEKNOLOGI
MARA

CSC584
ENTERPRISE PROGRAMMING

TITLE:

UNIVERSITY CLUB MANAGEMENT SYSTEM

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1.0 INTRODUCTION

University Club Management System is designed specifically to streamline and simplify the management of students clubs and events within the university environment. It allows student to discover various clubs based on their interests, making it more easier for them to engage in campus life more effectively. This platform acts as a main hub where students can stay informed with club announcements and keep track of their events participants.

On the administrative side, this system allows club leaders and lecturers to organize the club more efficiently, making it easier to oversee club members registrations and keeps them engaged with club activities. This environment helps to improve a more vibrant and connected campus community in university.

2.0 OBJECTIVES

1. To design and develop a web-based University Club Management System that simplifies the management of clubs, events, and student participation.
2. To provide students with an easy way to discover clubs, join events, and track their involvement.
3. To improve communication between clubs and students, which enhance overall user experience through a user friendly platform.

3.0 PROBLEM STATEMENT

Information on student clubs, activities, memberships, and announcements are often distributed over several platforms or handled manually at universities, which results in ineffective management, low student engagement, and poor communication. While club administrators struggle to manage members, events, and records in an organized way, students frequently struggle to find clubs, join events, track their involvement, and gain important updates. Limited participation in campus events are the outcomes of a poorly organized, complicated system. In order to centralize club information, streamline event planning, and improve communication between students and club admin, a centralized web-based club management system is therefore needed.

4.0 USER MANUAL

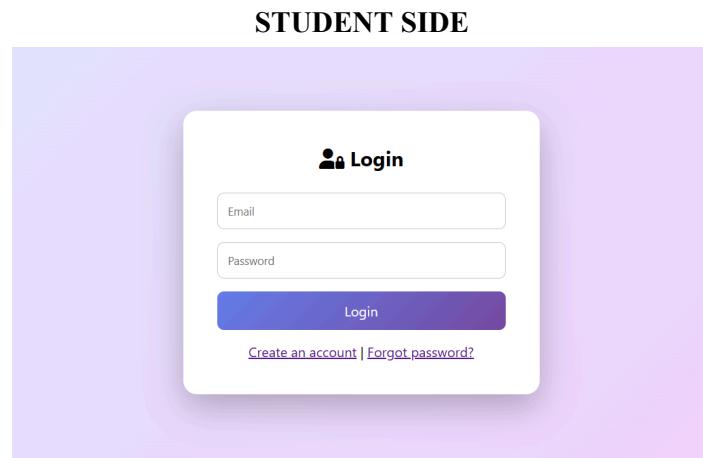


Figure 1: Login Page

Description:

The login page allows registered users to access the system by entering their email address and password. Users must input a valid email and password in the provided fields, then click the “Login” button to proceed to the user main homepage. If the user is not registered yet, they can click on Create an account to register as new user. Additionally, users can reset their login information by clicking the “Forgot Password?” link if they have forgotten their password.

The image contains two side-by-side screenshots of a "Forgot Password" process. The left screenshot shows a "Forgot Password" form with an "Enter email" field and a blue "Verify Email" button. The right screenshot shows a "Forgot Password" form with a displayed captcha code "8106", an "Enter captcha" field, a "New password" field, a "Confirm password" field, and a blue "Reset Password" button.

Figure 2:Forgot Password

Description:

The Forgot Password page allows users to reset their password by entering their registered email address. Once the email is successfully verified, the system will display a captcha code

for security purposes. The user must enter the correct captcha, then provide a new password and confirm it by retyping the password in the confirmation field.

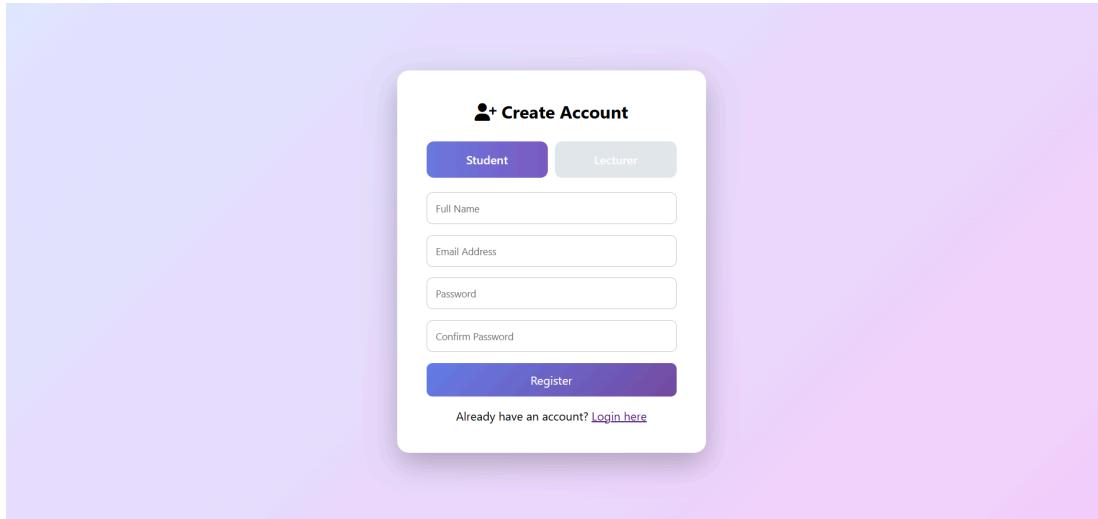


Figure 3: Create Account Page

Description:

The Create Account Page allows users to create new accounts. In this page, users must first choose their role by selecting either Student or Lecturer. Required fields such as full name, email address, password and confirmed password must be entered in the registration form. After registering, users can click the “Login here” and it will redirect the user to Login page.

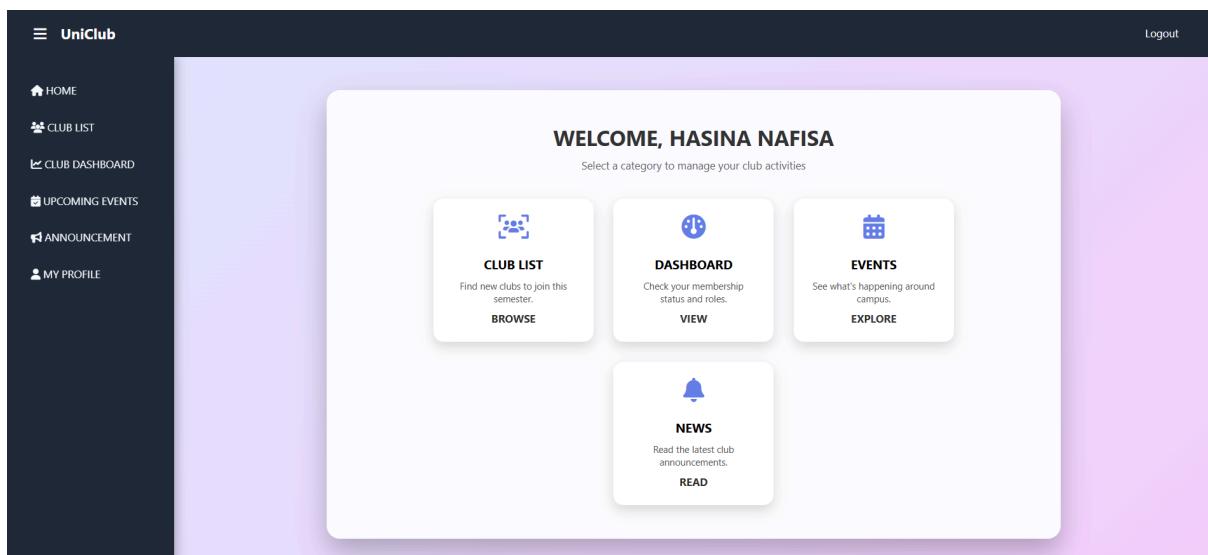


Figure 4: Home Page

Description:

Once logged in, users will be redirected to the homepage. On the homepage, the left side navigation menu allows users to access other pages such as Club List, Club Dashboard, Upcoming Events and Announcement and My Profile. The Logout option is available at the

homepage header. The homepage also features cards that display options to browse clubs, view membership status, check upcoming events, and read the latest announcements.

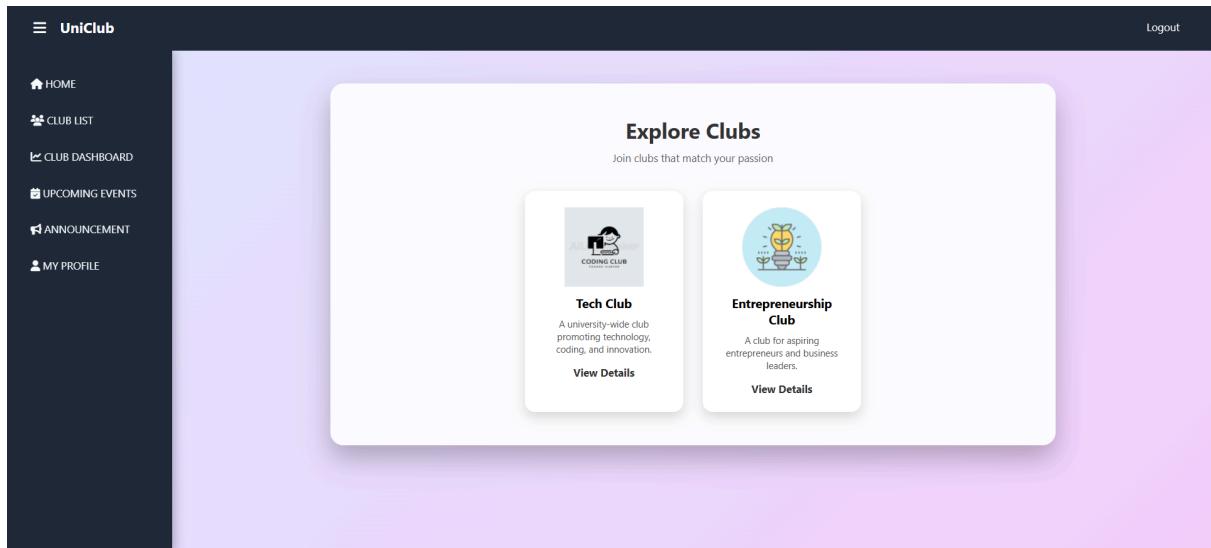


Figure 5: Club List Page

Description:

The Club List page allows students to browse and explore all available clubs within the system. In order to join a club, students can click "Join" to become a member or click "View Details" to view additional details about the club.

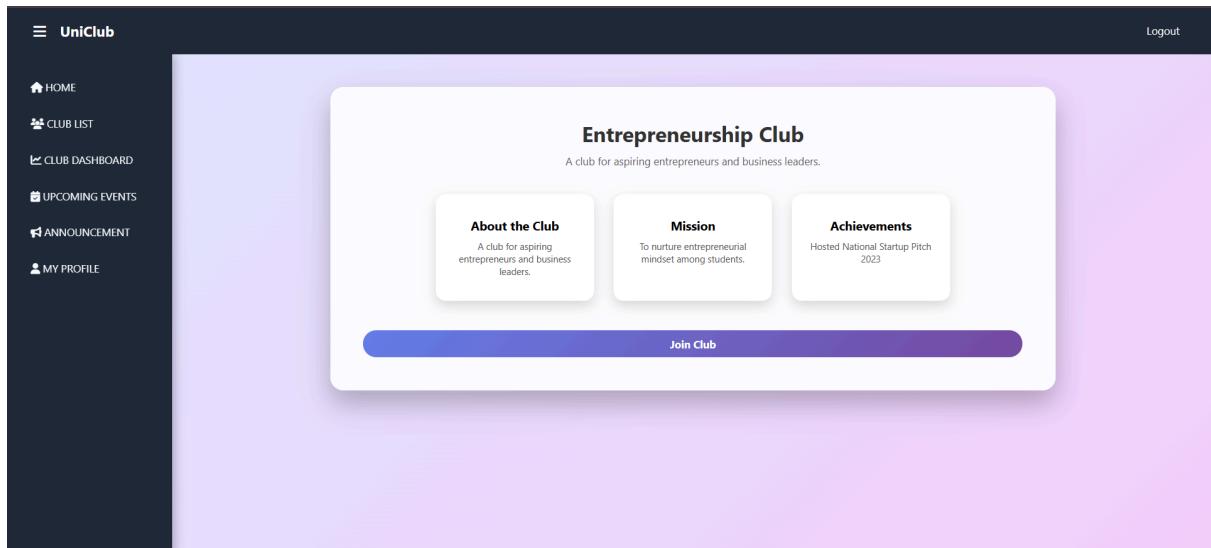


Figure 6: Club Overview Page

Description:

The Club Overview page allows students to view detailed information about a selected club, including its description, mission, and achievements, helping users understand the club's purpose, goals, and accomplishments before deciding to join or participate in its activities.

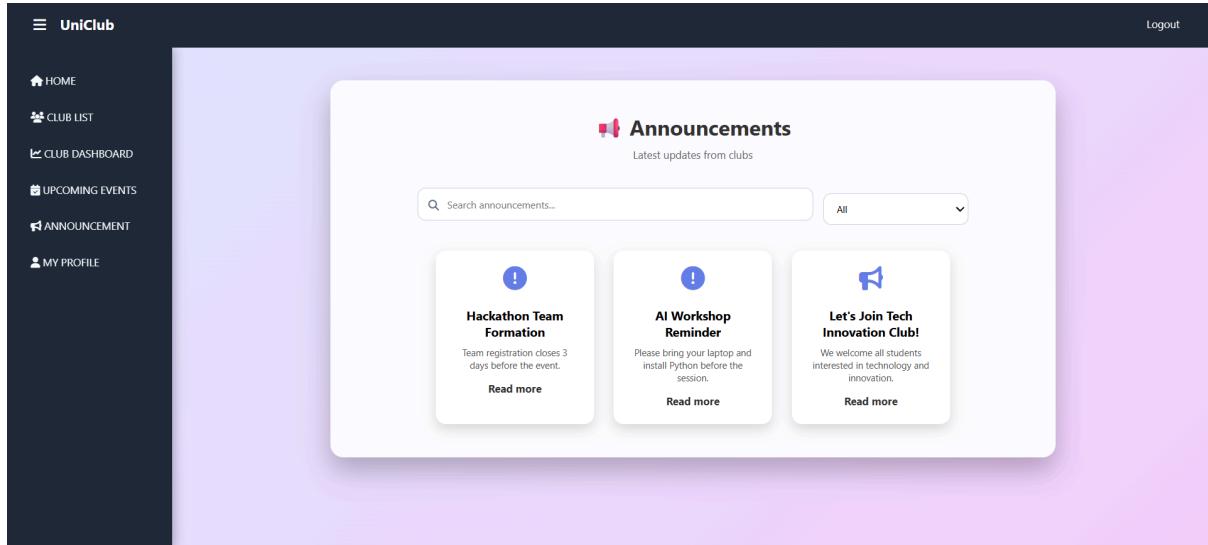


Figure 7: Announcements Page

Description:

Students can view the most recent updates and crucial information that clubs have shared on the Announcements page. In addition to browsing announcements in card format, users may use the search bar to look up specific keywords and filter announcements by categories like Important, General, or Events.

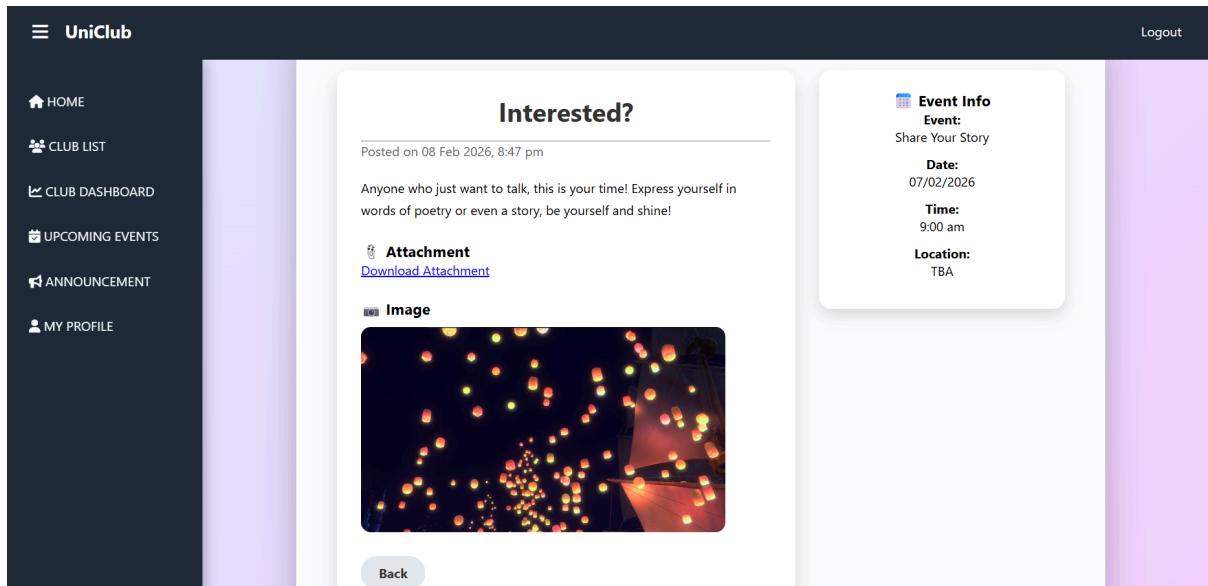


Figure 8: Announcement Details Page

Description:

The Announcement Details page allows users to view full information about a selected announcement, including the title, posting date, detailed content, attached files, and images. If the announcement is related to an event, the event's date, time, and location are displayed on the side for easy reference, and users can return to the announcement list using the Back button.

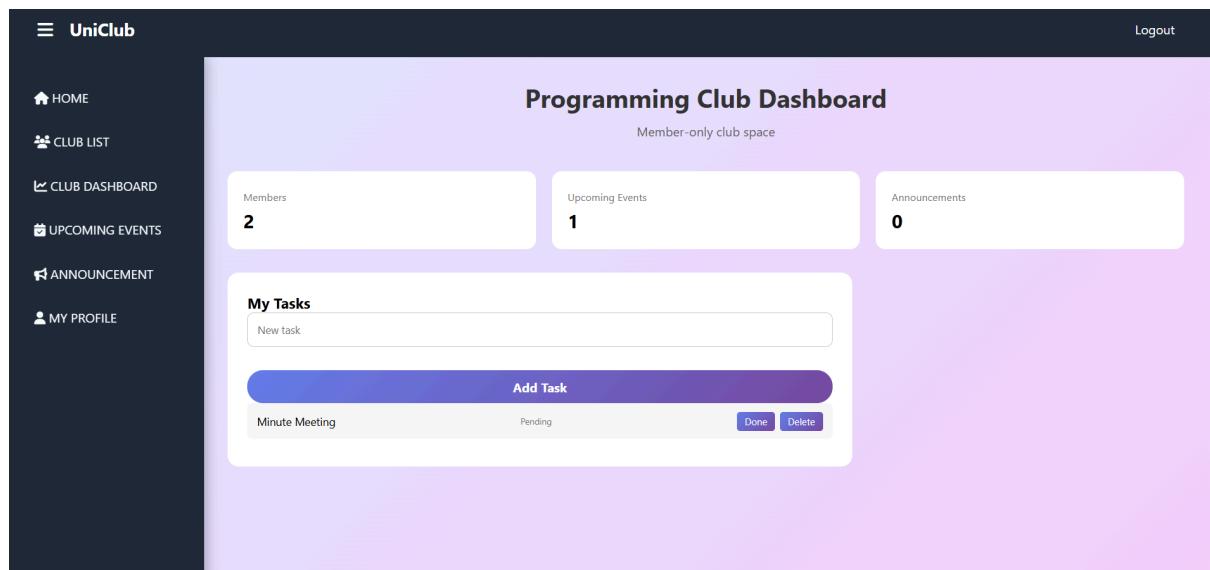


Figure 9 : Club Dashboard Page

Description:

The Programming Club Dashboard is a central place for club members to see and manage their activities. It shows important details like the total number of members, upcoming events, and announcements. There is also a "My Tasks" section where user can add and keep track of their club-related tasks.

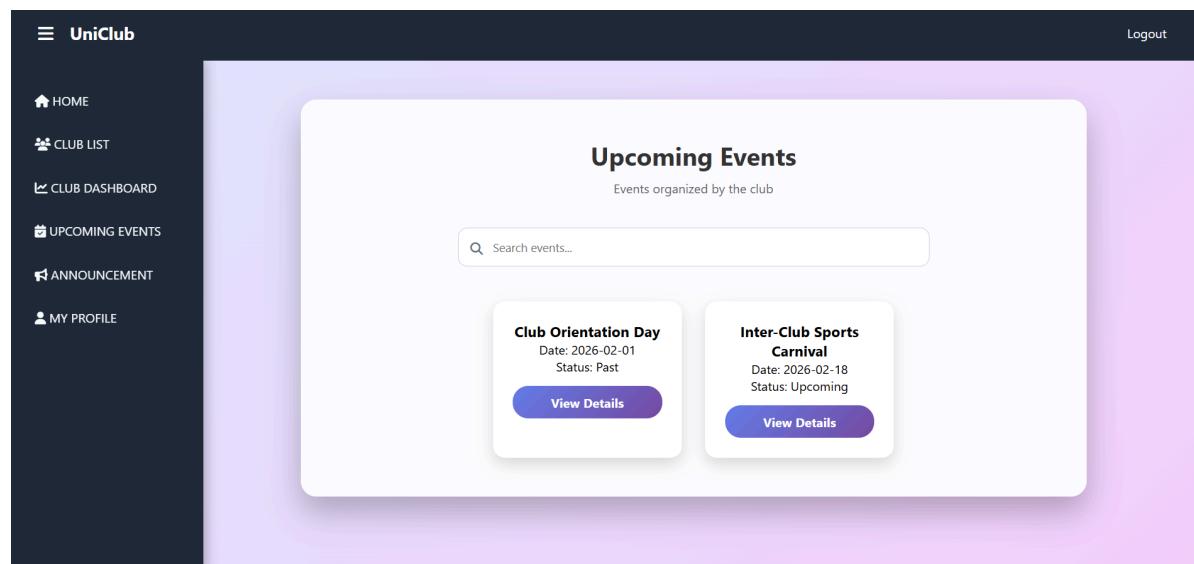


Figure 10: Upcoming Events Page

Description:

The Upcoming Events page allows students to view a list of all events organized by clubs, showing each event's title, date, and current status (upcoming or past). Users can search for events using the search bar and click the View Details button to see more information about a selected event.

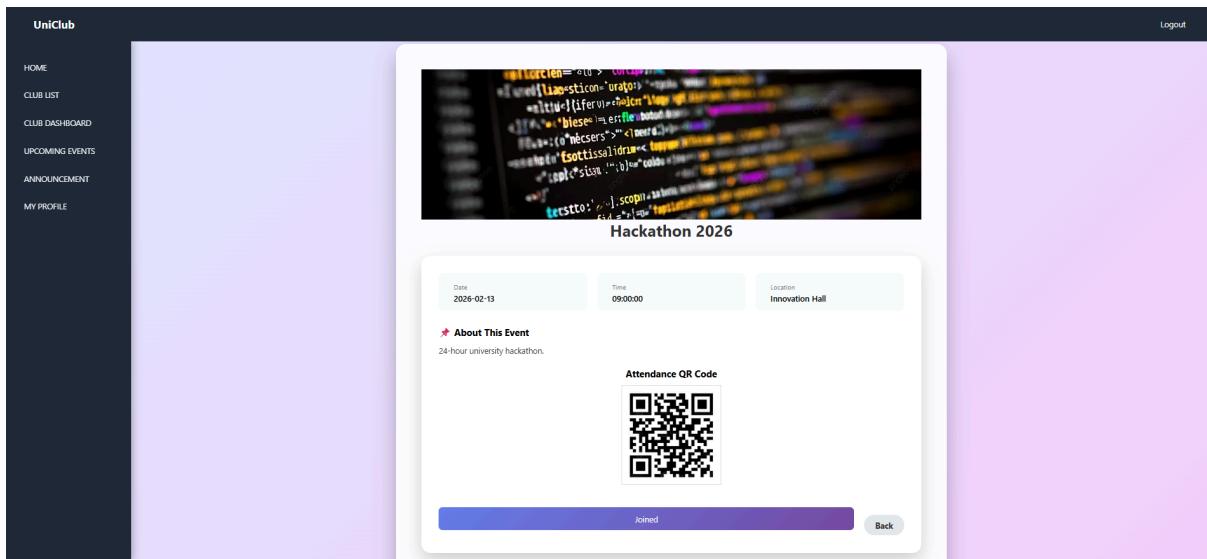


Figure 11: Event Details Page

Description:

After clicking the Join Event button, the user is redirected to the Event Details page where the event status changes to Joined. The page displays full event information including date, time, location, and description, along with an attendance QR code that can be used during the event for verification or check-in.

Event Name	Date
Club Orientation Day	01/02/2026
Inter-Club Sports Carnival	18/02/2026

Figure 12: My Profile Page

Description:

In the My Profile page, users can view their personal information and track their participation history. The Events Joined section lists all events the user has successfully joined, showing the event name and date, allowing users to easily review their involvement in club activities.

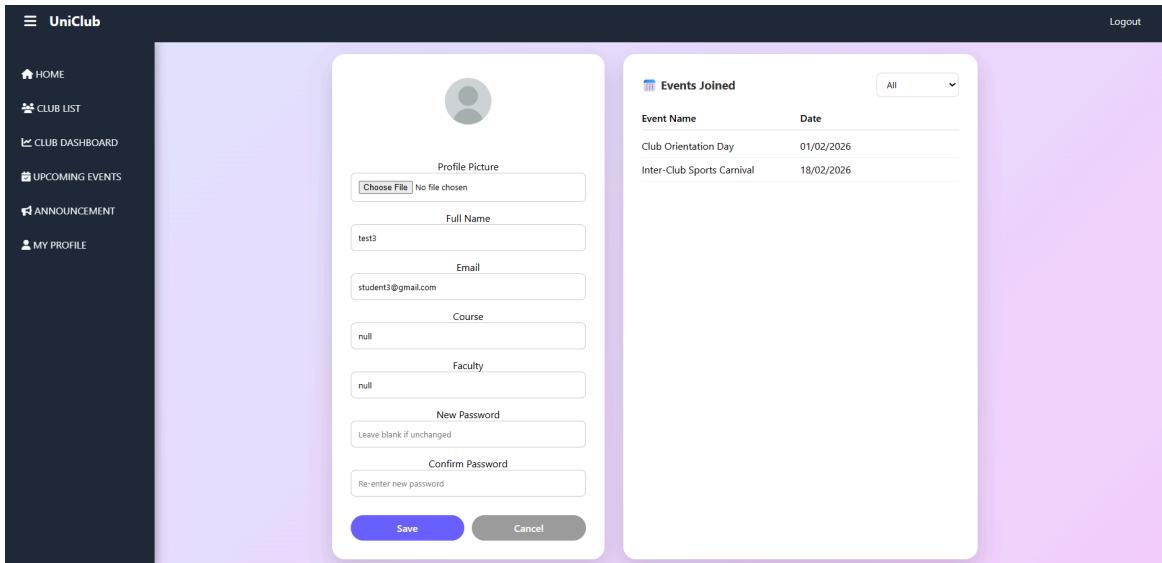


Figure 13: Edit My Profile Page

Description:

When user click “Edit Profile”, user will be able to edit their details according to their current information.

ADMIN SIDE

The screenshot shows a form titled "Create Your Club" with the sub-instruction "This is a one-time setup. You can edit details later." It includes fields for "Club Logo" (with a file upload button), "Club Name *", "Description", "Mission", and "Achievements".

Figure 14 : Create Club Page

Description:

If the user logged in using a new registered account with the type Lecturer, the user will be redirected to the Create Club page first, while the existing user will skip this page. This page allows the admin to create a new club by entering essential information such as club name, description, mission, achievements, and club logo. Once all required details are filled in, the admin can click Create Club to submit the form to officially register the club in the system.

The screenshot shows the Admin Home Page with a sidebar menu ("HOME", "Logout") and a main dashboard area. The dashboard includes a "Club Insights" section with "Events This Month" (3), "Total Participants" (19), and "Most Popular Event" (Weekly Coding Practice). It also features a "View Detailed Reports" link. Below this are three management cards: "Club Details" (Manage), "Event Creation" (Manage), and "Post Announcement" (Manage).

Figure 15 : Admin Home Page

Description:

After logged in, admins will be redirected to the Admin Home page. This page serves as the main dashboard for club administrators. This page displays a summary of club information, including the number of events scheduled for the current month, the total number of participants for all events, and the most popular event. From this page, admin can quickly

access key functions such as managing club details, events, and announcements by clicking the corresponding action cards. This page help admin navigate efficiently and oversee club activities from a centralized interface.

The screenshot shows the 'CLUB MANAGEMENT' interface. On the left sidebar, there are navigation links: Home, Manage Club Details (which is selected), Manage Event, and Manage Announcement. The main content area displays a club profile for 'Tech Club'. It includes a logo (Coding Club), a brief description ('A university-wide club promoting technology, coding, and innovation.'), and the 'Created By: Dr. Nor Azman'. A blue button labeled 'Edit Club Details' is present. Below this, a table titled 'Club Members' lists five members with their names, roles, and profile images. A 'Manage Club Members' button is at the bottom. The top right corner has a 'Logout' link.

Figure 16 : Manage Club Details Page

Description:

The Manage Club Details page allows admins to view necessary information about their club, including the club name, description, logo, and club members details. This page provides an overview of the club's profile and includes options to edit club information when updates are required. The button redirect to Manage Club Members is included for easier member management for the club.

The screenshot shows the 'EDIT CLUB DETAILS' page. At the top, there are 'Back' and 'Home' links. The main form is titled 'Edit Club' with the sub-instruction 'Update club information below'. It features a 'Club Logo' section with a placeholder image of a brain with code symbols, a file upload input ('Choose File'), and a note 'No file chosen'. Below this are fields for 'Club Name *' (containing 'Programming Club') and 'Description'. The 'Description' field contains a text area with the content: 'The Programming Club is an organization dedicated to fostering interest in programming, software development, and emerging technologies. Here, we provide a collaborative environment where members can learn, practice, and share knowledge through hands-on activities, workshops, and projects.' There is also a small 'x' icon in the bottom right corner of the description text area.

Figure 17 : Edit Club Details Page

Description:

The Edit Club Details page enables admins to modify and update existing club information. Admins can edit fields such as the club description, mission, achievements, and upload a new

club logo. Changes made on this page will be reflected immediately in the club overview after saving.

The screenshot shows the 'EVENT MANAGEMENT' section of a web application. On the left, a sidebar menu includes 'Home', 'Manage Club Details', 'Manage Event', and 'Manage Announcement'. The main area displays a search bar and a list of four events:

- Event Name:** Git & GitHub Workshop
Date: 2026-01-05
Time: 10:00 am
Status: Past
- Event Name:** Web Development Basics
Date: 2026-02-02
Time: 10:00 am
Status: Past
- Event Name:** Hackathon 2026
Date: 2026-02-13
Time: 9:00 am
Status: Upcoming
- Event Name:** AI Workshop
Date: 2026-03-10

Figure 18 : Manage Event Page

Description:

The Manage Event page allows admins to view and manage all events created under their club. Events are displayed in a list format with the details such as event name, date, and status. Admins can search for specific events and access options to edit or preview event details.

The screenshot shows the 'CREATE NEW EVENT' page. At the top, there is a 'Create New Event' header and a note 'Fill in all event details below'. The form contains the following fields:

- Banner Image ***: A file input field labeled 'Choose File' with the message 'No file chosen'.
- Title ***: An input field.
- Description ***: A text area.
- Date ***: A date input field with a placeholder 'yyyy-mm-dd' and a calendar icon.
- Location ***: An input field.
- Attendance QR ***: A file input field labeled 'Choose File' with the message 'No file chosen'.

A large blue 'Create Event' button is at the bottom of the form.

Figure 19 : Create Event Page

Description:

The Create Event page allows admins to create new club events by entering event information such as event title, description, date, time, location. The banner image and QR

image can also be uploaded on this page. Upon submission, the event will be published and made visible to students in the Upcoming Events section.

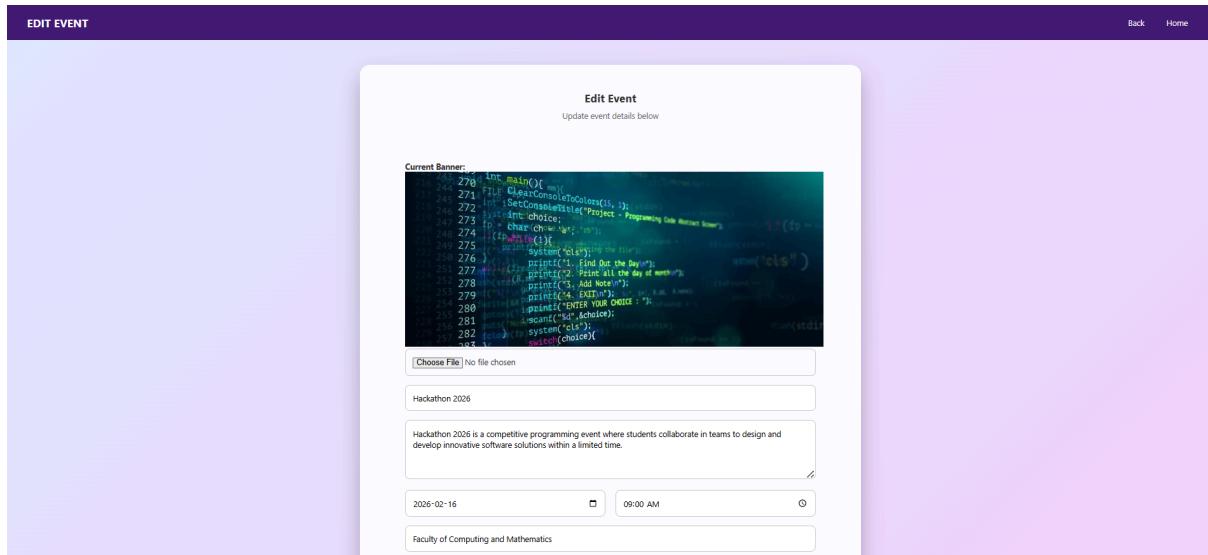


Figure 20: Edit Event Page

Description:

The Edit Event page enables admins to update existing event information. Admins can modify event details such as title, description, date, time, location, banner image, and QR image to ensure event information remains accurate and up to date.

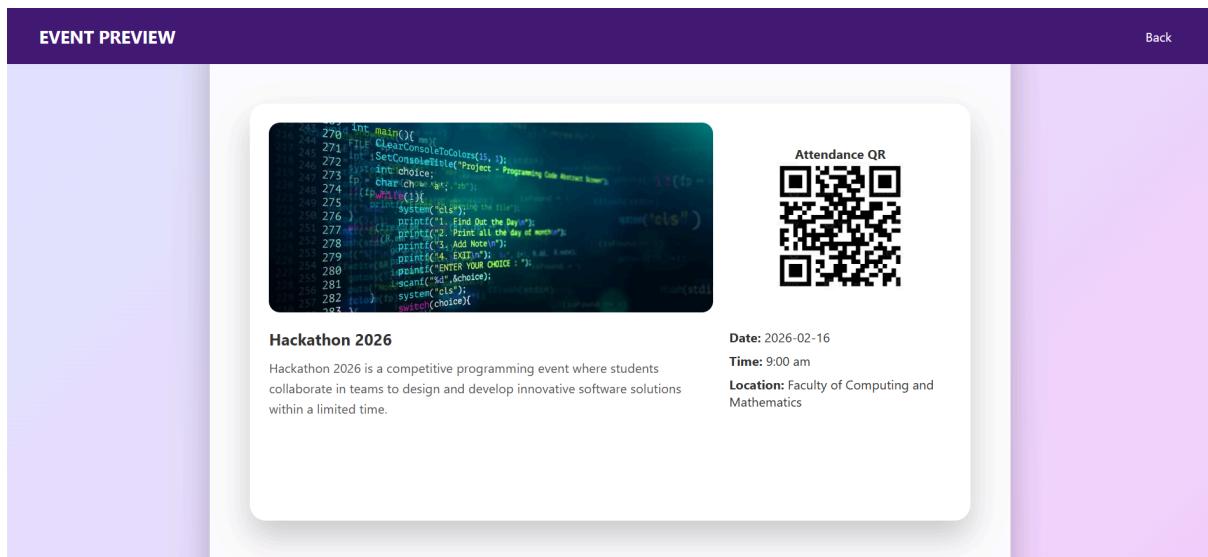


Figure 21 : Preview Event Page

Description:

When admins click on the event name in the Manage Event page, it will be redirected to the Preview Event page. The Preview Event page displays a complete view of the event which includes event details, the uploaded banner image and uploaded QR image that is used for

attendance verification. This allows admins to verify the event information published to be accurate.

The screenshot shows the 'ANNOUNCEMENT MANAGEMENT' section. On the left sidebar, there are links for Home, Manage Club Details, Manage Event, and Manage Announcement. The main area displays three announcements:

- Important**: Posted at 2026-02-10 05:50:58.179, Title: Hackathon Team Formation, Event: Hackathon 2026, Date: 2026-02-13, Time: 9:00 am. Includes edit and delete icons.
- Important**: Posted at 2026-02-10 05:50:10.817, Title: AI Workshop Reminder, Event: AI Workshop, Date: 2026-03-10, Time: 10:00 am. Includes edit and delete icons.
- General**: Posted at 2026-02-10 05:49:17.204, Title: Let's Join Tech Innovation Club!, General announcement. Includes edit and delete icons.

At the bottom right of the main area, there is a 'Post New Announcement' button.

Figure 22 : Manage Announcement Page

Description:

The Manage Announcement page allows admins to view and manage all announcements posted for the club. Announcements are displayed with their categories, posting dates, and announcement titles, but also displayed details such as event title, date, and time, if the announcement is related to a certain event. Admins can search for specific announcements and access options to edit, delete, or preview announcement details.

The screenshot shows the 'POST ANNOUNCEMENT' section. At the top right, there are 'Back' and 'Home' links. The main area is titled 'Post New Announcement' with the sub-instruction 'Fill in announcement details below'. The form fields include:

- Category *: A dropdown menu labeled '-- Select Category --'.
- Title *: A text input field.
- Content *: A large text area for the announcement text.
- Related Event (Optional): A dropdown menu labeled '-- Related Event --'.
- Image (Optional): A file upload input field labeled 'Choose File' with the message 'No file chosen'.
- Attachment (Optional): A file upload input field labeled 'Choose File' with the message 'No file chosen'.

At the bottom right of the form area, there is a blue 'Post Announcement' button.

Figure 23: Post Announcement Page

Description:

The Post Announcement page allows admins to create and publish new announcements. Admins can enter the announcement category, title, content, and optional related event, attach images or files. Once posted, the announcement will be visible to all club members and students.

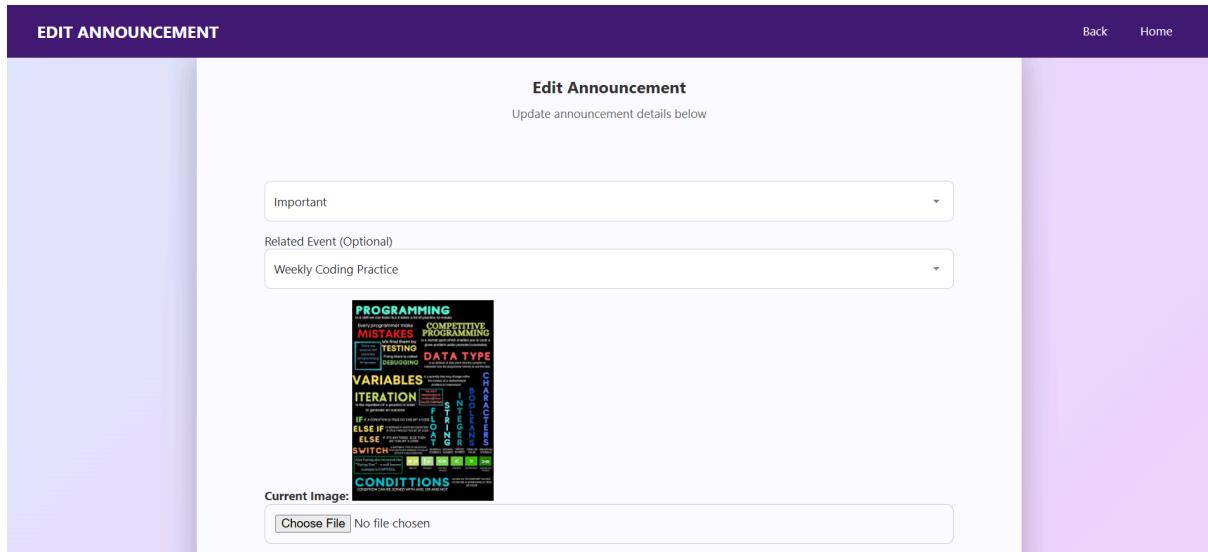


Figure 24: Edit Announcement Page

Description:

The Edit Announcement page enables admins to update existing announcements. Admins can modify the announcement category, title, content, and attachments to ensure every detail are accurate.

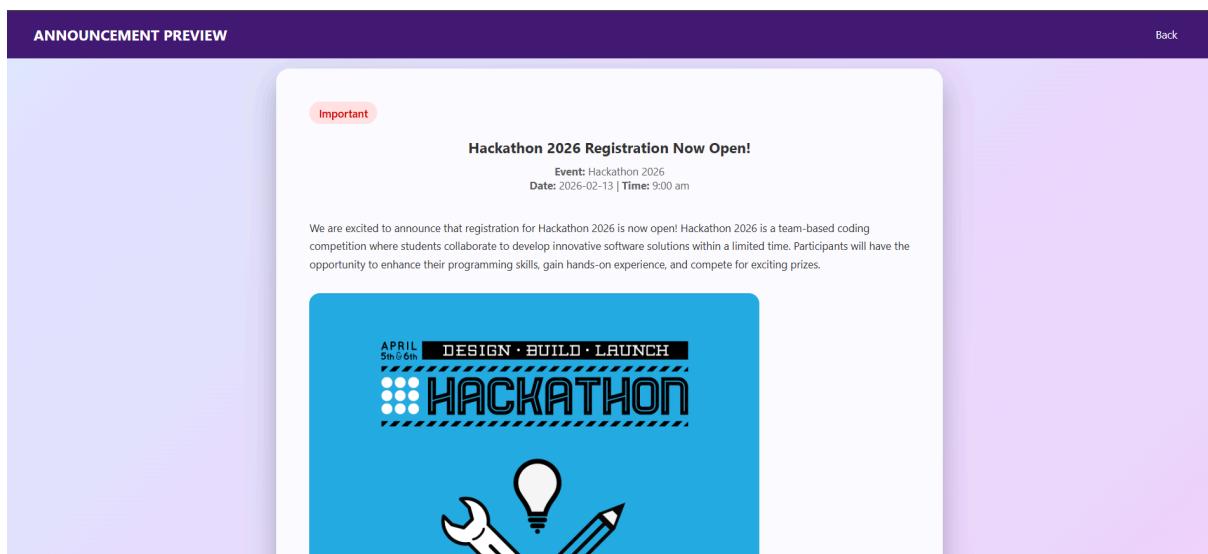


Figure 25 : Preview Announcement Page

Description:

When admins click on the announcement title in the Manage Announcement page, it will be redirected to the Preview Announcement page. This page displays the full announcement as

viewed by students. It allows admins to review the announcement layout, content, and attachments posted to be accurate.

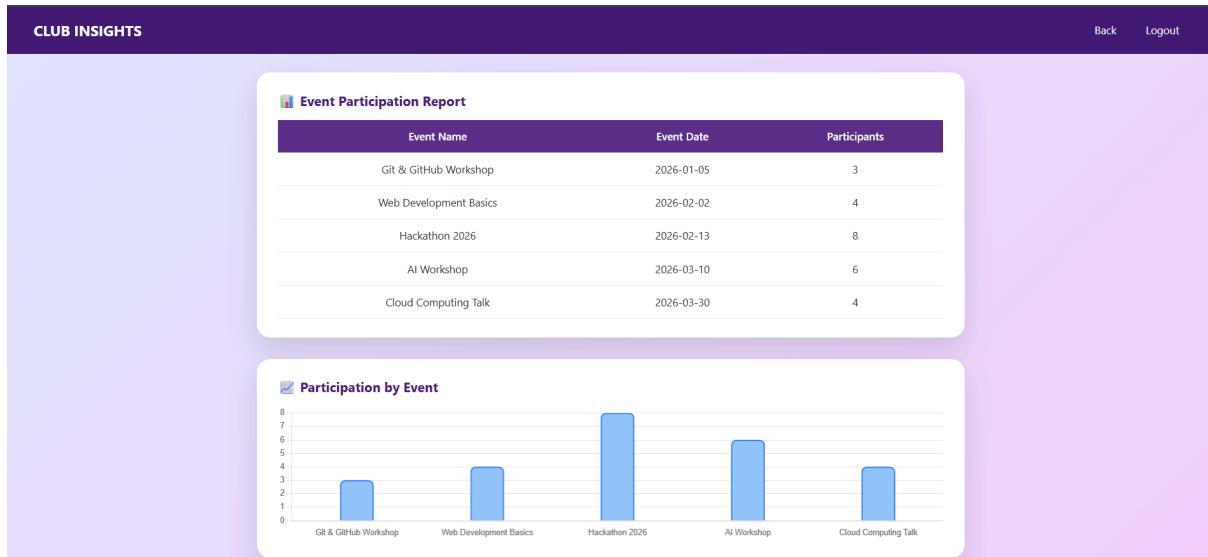


Figure 26 : Club Insights Page

Description:

The Club Insights page allows admin to view participation statistics for club events through both tabular data and graphical visualization. It displays a list of each event along with its date and total number of participants. A bar chart is included to visually compare participation level across different events. This page helps club administrators evaluate overall event engagement, which supports decision-making for future event planning.

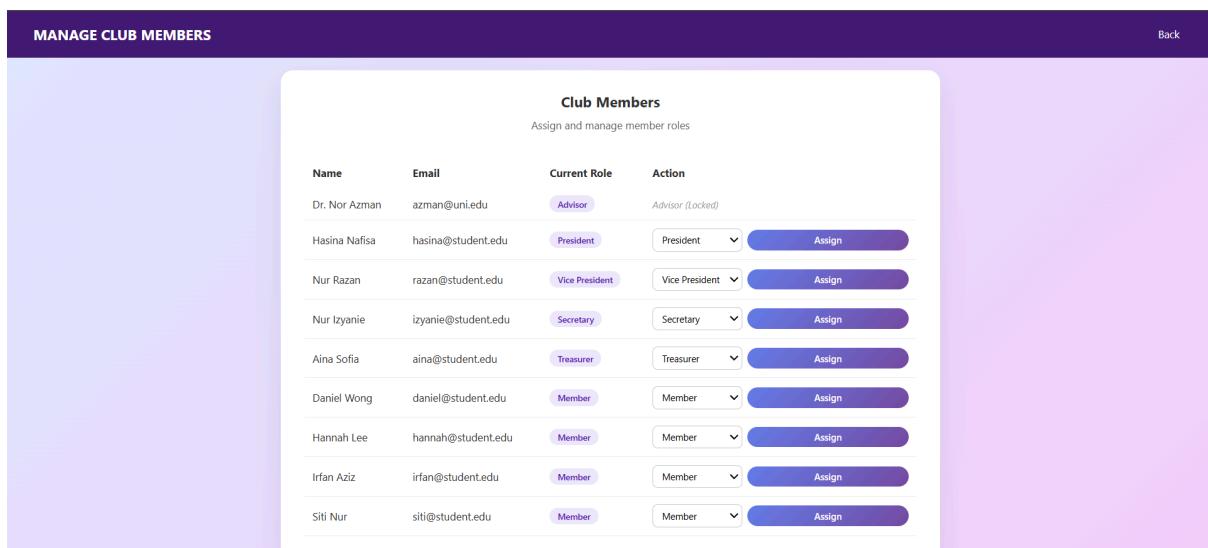


Figure 27 : Manage Club Members Page

Description:

Admin enables to view all the registered club members and manage their roles in the Manage Club Members page. The page displays each member's name, email, and current role. To

change a member's role, the admin can select a new role from the dropdown menu and click the Assign button to save the changes.

5.0 CONCLUSION

In conclusion, by providing an organized and accessible platform, the University Club Management System successfully tackles the difficulties of overseeing student clubs and events. Students may quickly find clubs, register in for events and track their involvement with this system. Admin can effectively handle announcements, members, and events in between. Additionally, University Club System increases overall student participation, decreases manual work, and improves communication by streamlining club events. This approach highlights how web-based system can facilitate well-organized and productive club management in an academic environment.

Moreover, the University Club Management System significantly boost student engagement, reducing the administration burden in handling manual processes. By creating a more organized environment, this platform emphasize the potential for improving club management and promoting active involvement in campus life. Overall, the system plays a crucial role in changing the way student clubs operate, making it more interesting for all students.