

4.7 User Interface Design

4.7.1 Home Page

This is the home page of the Integrated Cooperative Department Management System . It features a clean layout with a navigation bar that provides quick access to the Home and Login pages. The page welcomes users with a brief introduction to the system and explains the importance of the Cooperative Department in promoting community development and ensuring transparency in cooperative societies. A carousel section is included to display images, enhancing the visual appeal of the page. The design is simple and responsive, ensuring easy navigation and a user-friendly experience.

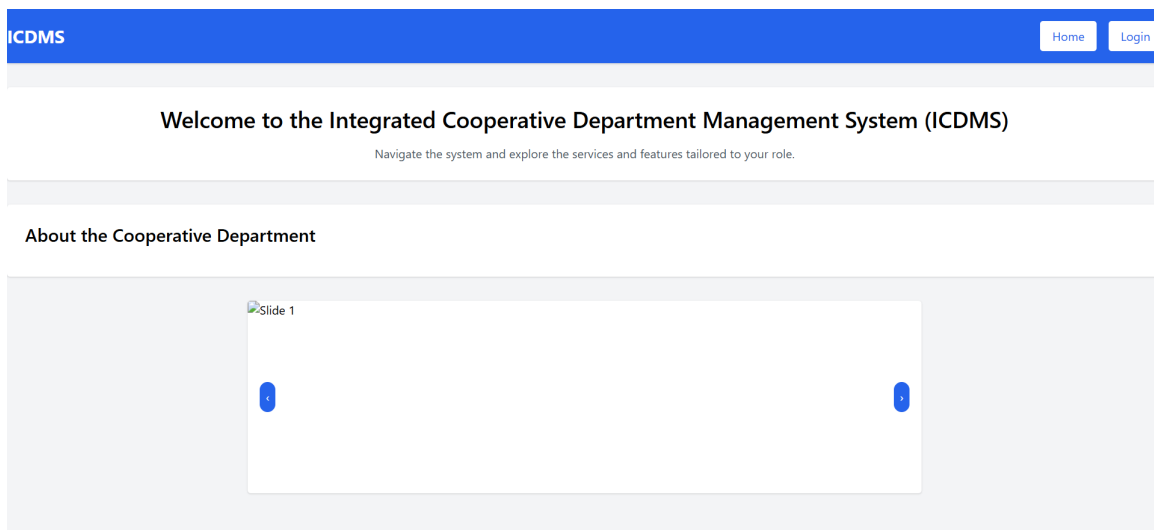
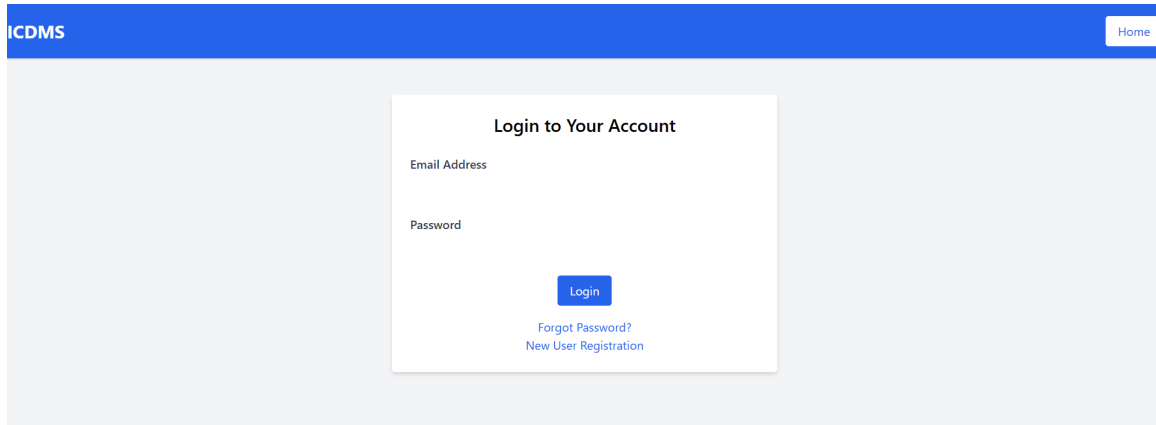


Figure 4.5: Home page.

4.7.2 Login Page

This is the login page for the Integrated Cooperative Department Management System . It features a clean and responsive design with a simple form for users to enter their email address and password to access their accounts. The page includes links for password recovery and new user registration, making it user-friendly and functional. The layout ensures clarity and ease of use, providing a smooth login experience.



ICDMS

Home

Login to Your Account

Email Address

Password

Login

[Forgot Password?](#)

[New User Registration](#)

Figure 4.6: Login page.

4.7.3 Admin Dashboard

The ICDMS Dashboard provides an organized and user-friendly interface for managing various aspects of the system. It features a sidebar for easy navigation to sections like user management, AI chatbot configuration, and e-learning module management. The main content area highlights key metrics such as the total number of users, chatbot queries, and available e-learning modules, presented as widgets for quick reference.

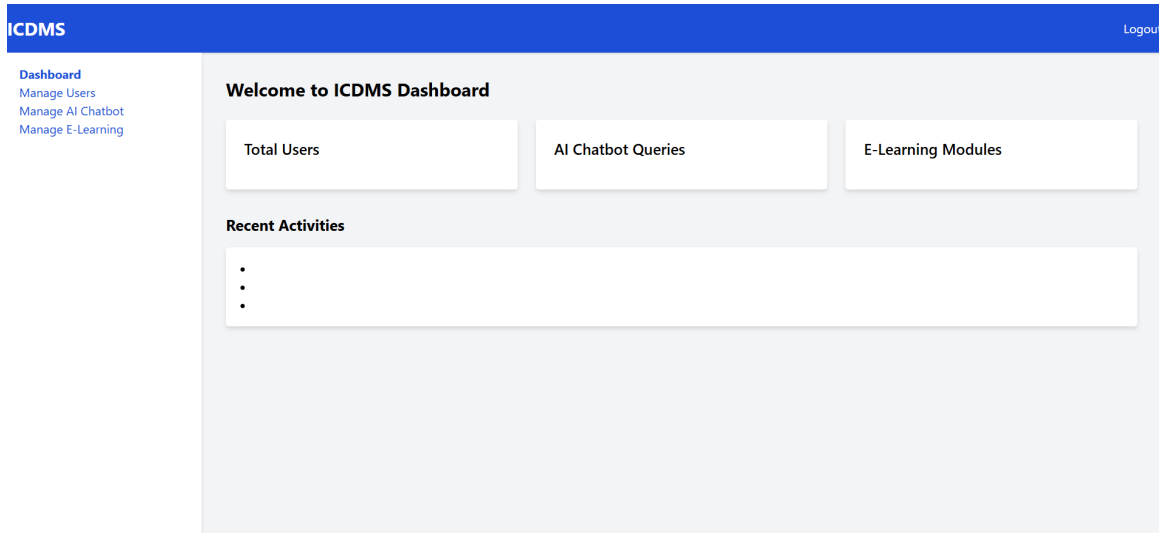


Figure 4.7: Admin Dashboard

4.7.4 Admin Manage Users

The "Manage Users" page provides a streamlined interface for adding and managing users within the ICDMS system. It includes a form to add new users by specifying their username, email, and role, with options for Admin or User roles. A user list section displays all registered users in a table format, showing details like ID, username, email, and role. Each user entry has action buttons for editing or deleting, enabling quick and efficient user management. The page is designed with a clean layout, intuitive navigation, and responsive styling for ease of use.

ICDMS Dashboard Logout

[Dashboard](#)
[Manage Users](#)
[Manage AI Chatbot](#)
[Manage E-Learning](#)

Manage Users

Add New User

Username

Email

Role

User List

ID	Username	Email	Role	Actions
				<input type="button" value="Edit"/> <input type="button" value="Delete"/>
				<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Figure 4.8: Admin Manage Users

4.7.5 Admin Manage AI Chatbot

The "Manage AI Chatbot" page is designed to help administrators monitor and manage the performance of the AI chatbot. It provides an overview of key metrics such as the total queries handled, the number of active users, and the chatbot's response accuracy. Administrators can perform actions like training the chatbot with new datasets, analyzing its performance, and resetting it when needed. The page also includes a detailed table displaying recent user queries and the chatbot's responses, making it easy to track interactions and ensure the chatbot is performing effectively.

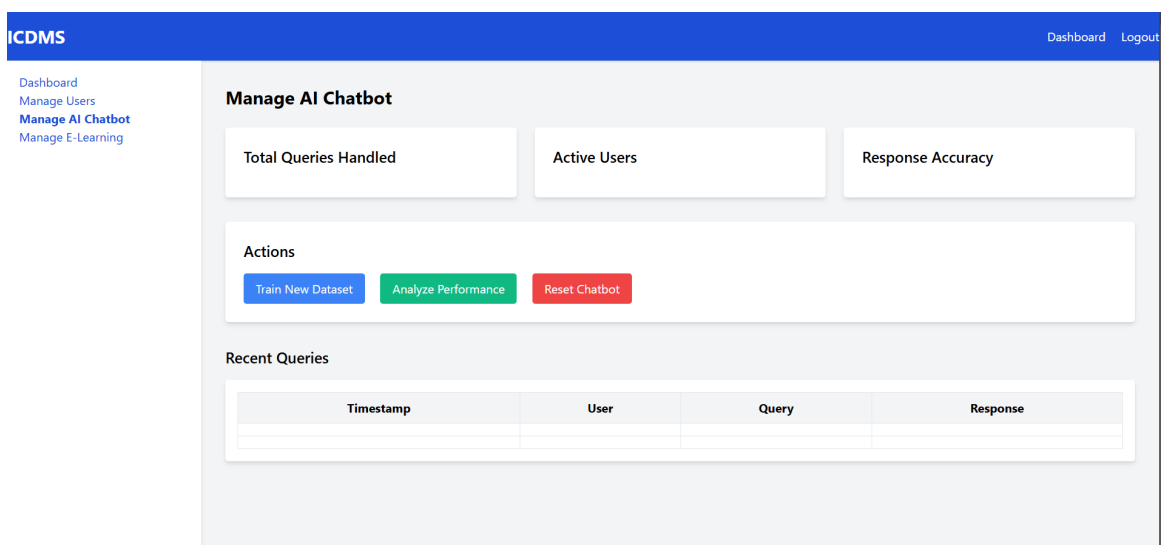


Figure 4.9: Admin Manage AI Chatbot

4.7.6 Admin Manage E-learning

The "Manage E-Learning" page provides an intuitive interface for administrators to manage e-learning courses efficiently. It allows users to add new courses by entering the course name, description, and uploading relevant materials. The page also displays a list of existing courses with options to edit or delete them as needed. This organized layout ensures smooth management of course content, fostering a seamless learning experience for users.

The screenshot displays the 'Admin Manage E-learning' interface. At the top, a blue header bar contains the 'ICDMS' logo on the left and 'Dashboard' and 'Logout' links on the right. A left sidebar lists navigation options: 'Dashboard', 'Manage Users', 'Manage AI Chatbot', and 'Manage E-Learning' (which is highlighted). The main content area is titled 'Manage E-Learning' and is divided into two sections. The upper section, 'Add New Course', contains a form with three fields: 'Course Name' (a single-line text input), 'Course Description' (a multi-line text area), and 'Upload Course Material' (a file upload button labeled 'Choose File' with the text 'No file chosen' next to it). Below these fields is a blue 'Add Course' button. The lower section, 'Existing Courses', is a table with two visible rows. Each row has two buttons at the end: a green 'Edit' button and a red 'Delete' button.

Figure 4.10: Admin Manage E-learning

4.7.7 Registration Page

This is the user registration page for the Integrated Cooperative Department Management System . It allows new users to create an account by filling out their full name, email address, phone number, and password, with an additional field to confirm the password for accuracy. The page is designed with a clean and responsive layout, ensuring an easy and smooth registration process. A header with navigation links to the homepage enhances usability, while the centralized form layout ensures clarity and accessibility for all users.

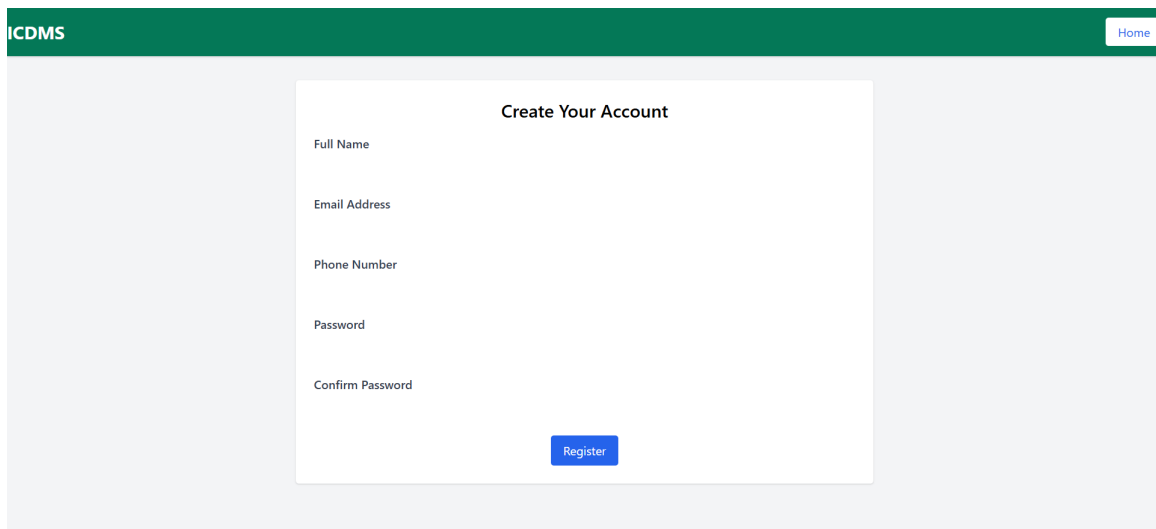
The image shows a web browser window displaying the registration page of the ICDMS. The page has a dark green header bar with the text 'ICDMS' on the left and a 'Home' link on the right. The main content area is light gray and contains a white rectangular form titled 'Create Your Account'. Inside the form, there are five input fields labeled 'Full Name', 'Email Address', 'Phone Number', 'Password', and 'Confirm Password', arranged vertically. At the bottom right of the form is a blue button with the text 'Register'.

Figure 4.11: Registration Page

4.7.8 Society Home

The "Society User Home" provides a user-friendly interface for managing society-related activities efficiently. It includes quick navigation options such as society registration, byelaw amendments, certificates, complaints, and e-learning resources. The dashboard displays key metrics, including total applications, approved applications, rejections, and applications in progress, offering a clear overview of the registration process. With an intuitive layout, users can seamlessly access features and stay updated with notifications for a smooth and organized experience.

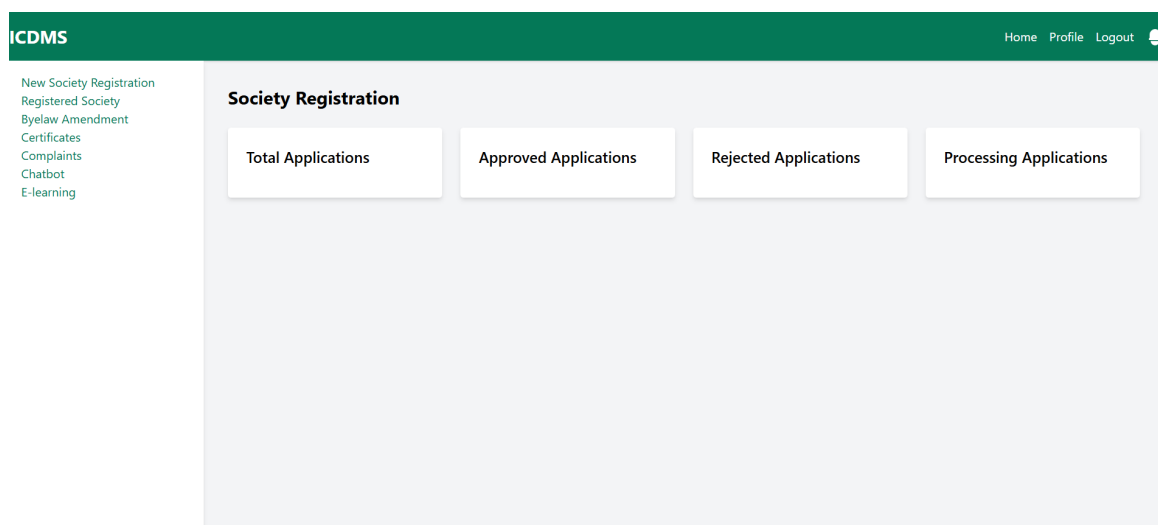


Figure 4.12: Society Home

4.7.9 New Society Registration

The New Society Registration page allows users to register a new society by providing essential details in a well-organized form. The page includes fields for the type and category of the society, a brief description, the society's name, postal address, post office, and pin code. Users can also enter the land phone, chief promoter's name, mobile number, email address, and specify if the applicants are from different families. The form features dropdowns for easy selection, text inputs for specific information, and a textarea for detailed descriptions. Additionally, options for resetting or submitting the form are provided, ensuring a user-friendly and efficient registration process.

The screenshot displays the 'New Society Registration' form within the ICDMS interface. The form is titled 'New Society Registration' and is located on the right side of the page. On the left, there is a sidebar menu with the following items: 'New Society Registration', 'Registered Society', 'System Amendment', 'Certificates', 'Complaints', 'Chatbox', and 'E-learning'. The form itself contains the following fields: 'Type of Society' (dropdown), 'Category of Society' (dropdown), 'Category Description' (text area), 'Name of the Society' (text input), 'Postal Address' (text input), 'Post Office' (text input), 'Pin Code' (text input), 'Land Phone' (text input), 'Area of Operation (More than one district)' (text input), 'Name of Chief Promoter' (text input), 'Mobile Number' (text input), 'Email Address' (text input), and 'Are applicants from different families?' (checkbox). At the bottom of the form, there are two buttons: 'Submit' and 'Reset'.

Figure 4.13: New Society Registration

4.7.10 Registered Society

The "Registered Society" page is designed to manage and display a list of registered societies. It features a structured layout with a header for navigation and a sidebar menu for accessing various options like new registrations, byelaw amendments, certificates, complaints, and more. The main content area showcases a table listing the registered societies, including details such as the society name, category, registration number, date of registration, promoter, attachments, status, and available actions. Each entry provides options for viewing, editing, or deleting records, along with buttons to add promoters, upload attachments, or process payments. The page is clean and responsive interface.

Society Name	Category	Registration Number	Date of Registration	Promoter	Attachments	Status	Actions
					View Attachments		View Delete
				Add Promoter	Add Attachments	Payment	View Delete
				Add Promoter	Add Attachments		View Delete

Figure 4.14: Registered Society.png

4.7.11 Add Byelaw Amendent

This page is designed for submitting applications related to byelaw amendments of registered societies. It features a structured form where users can provide essential details, such as the society's name, application number, file number, and meeting details regarding the amendment process. The form includes fields for specifying member attendance, voting details, and the relevant byelaw numbers. The layout is user-friendly, with clear labels and input fields to ensure accurate data entry. A submit button is prominently placed to finalize the application process. The page is clean and responsive design, ensuring accessibility and ease of use.

The screenshot displays the 'Byelaw Amendment Application' form within the ICDMS interface. The form is titled 'Byelaw Amendment Application' and is located on a page with a green header bar containing 'ICDMS' and navigation links: 'Home', 'Profile', 'Logout', and a user icon. A sidebar on the left lists various services: 'New Society Registration', 'Registered Society', 'Byelaw Amendment' (highlighted), 'Certificates', 'Complaints', 'Chatbot', and 'E-learning'. The form itself contains the following fields:

- Application Number of the Society
- File Number
- Name of the Society
- Date of the General Body meeting at which amendment was made (format: dd-mm-yyyy)
- No. of days given to convene the General Body meeting
- No. of days notice required as per the bye-laws of the General Body
- Total No. of members on the date of such meeting
- No. of members who formed quorum
- No. of members present at such meeting
- No. of members who exercised their votes at the meeting
- No. of members who voted for the amendment
- Applied Byelaw Numbers

A green 'Submit Amendment' button is positioned at the bottom right of the form.

Figure 4.15: Add Byelaw Amendent

4.7.12 Society Certificate

This page provides an interface for viewing and downloading the digitally signed certificate for approved societies. It includes detailed information such as the society name, application number, file number, and approval date. Users can view the certificate online or download it in PDF format for their records. The layout features a sidebar for easy navigation to other related pages and a clean, responsive design to enhance usability.

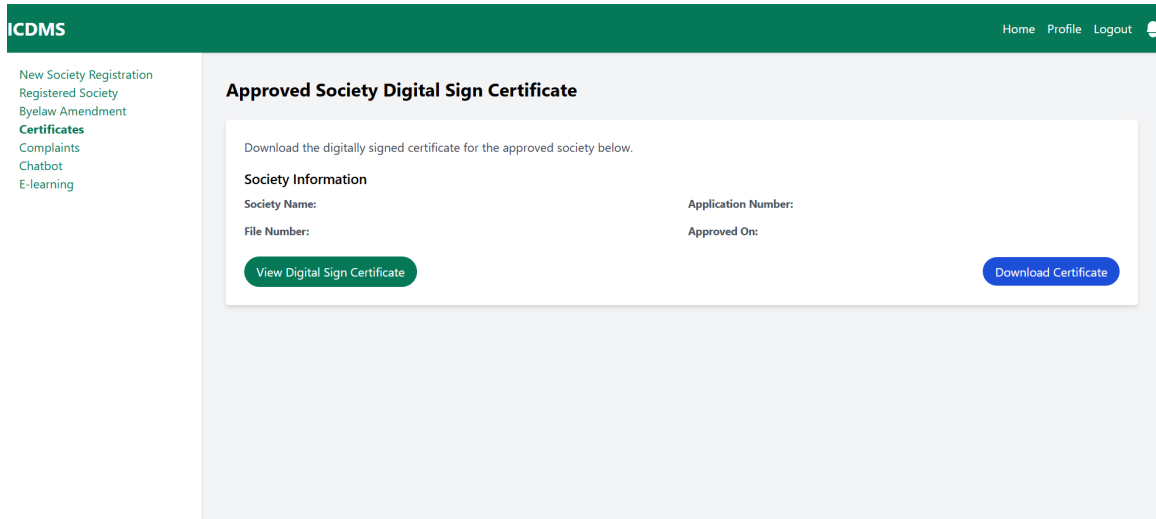
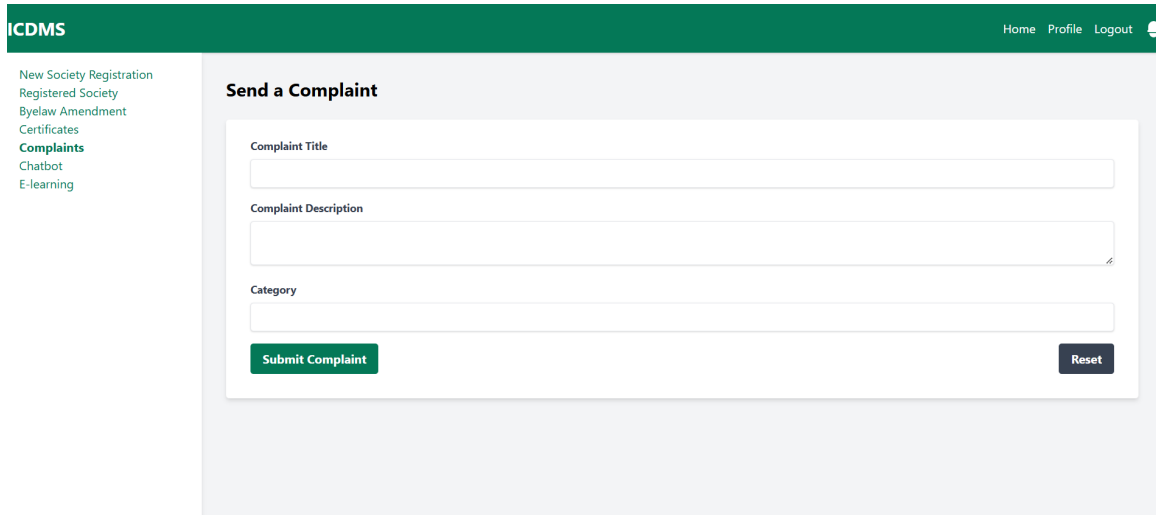


Figure 4.16: Society Certificate

4.7.13 Sent Complaints

This page allows users to submit complaints easily. It features a form where users can enter a complaint title, provide detailed descriptions, and select a category such as "Service Issue," "Facility Issue," or "Other." The page includes options to submit or reset the form, ensuring a user-friendly and responsive design for smooth complaint submission. A sidebar is also provided for navigation to other sections of the platform.



The screenshot displays the 'Send a Complaint' interface within the ICDMS system. The top navigation bar is green with the ICDMS logo on the left and links for Home, Profile, Logout, and a notification bell on the right. A left sidebar lists various services: New Society Registration, Registered Society, Byelaw Amendment, Certificates, Complaints (highlighted in green), Chatbot, and E-learning. The main content area is titled 'Send a Complaint' and contains a form with three input fields: 'Complaint Title', 'Complaint Description' (with a text area), and 'Category'. Below the form are two buttons: a green 'Submit Complaint' button and a grey 'Reset' button.

Figure 4.17: Sent Complaints

4.7.14 Society Ai Chatbot

This page features an AI-powered chatbot designed to assist users effectively. The chatbot interface includes a chatbox for viewing messages, styled chat bubbles for user and bot responses, and an input field with a send button for user queries. The chatbot provides instant replies, fostering a conversational experience. A structured layout with a sidebar for navigation and a responsive design ensures ease of use across devices.

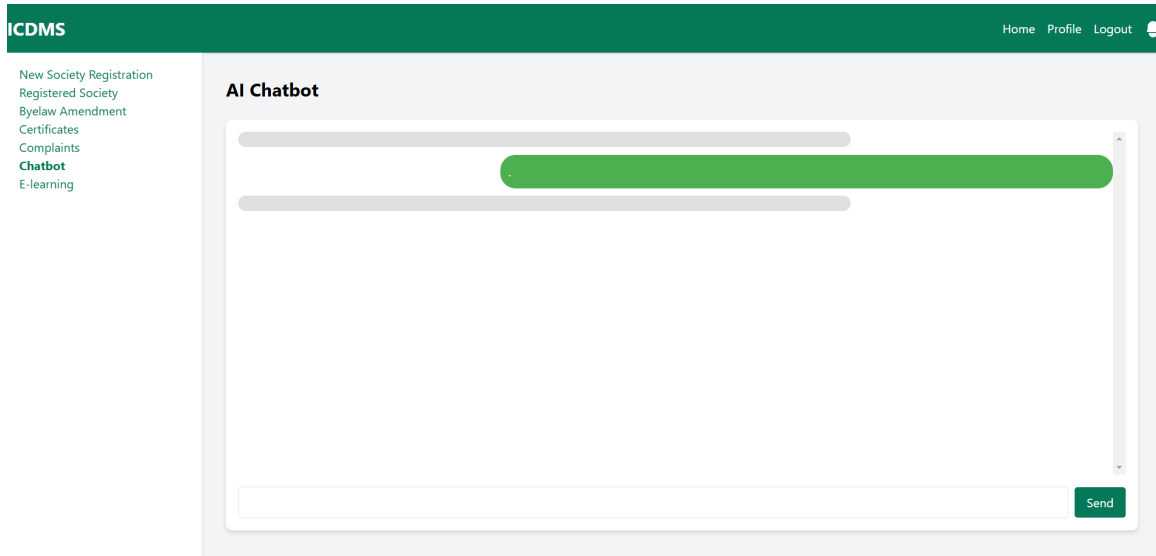


Figure 4.18: Society Ai Chatbot

4.7.15 E-learning

This page offers a collection of e-learning tutorials designed to help users navigate various aspects of society management. The tutorials cover topics such as society registration, by-law amendments, best practices in society management, complaint resolution, certificate issuance, and general body meeting procedures. Each tutorial is presented in an easy-to-access card format, with clear titles, descriptions, and links to view the tutorials. The layout is responsive and organized to provide a seamless learning experience across different devices.

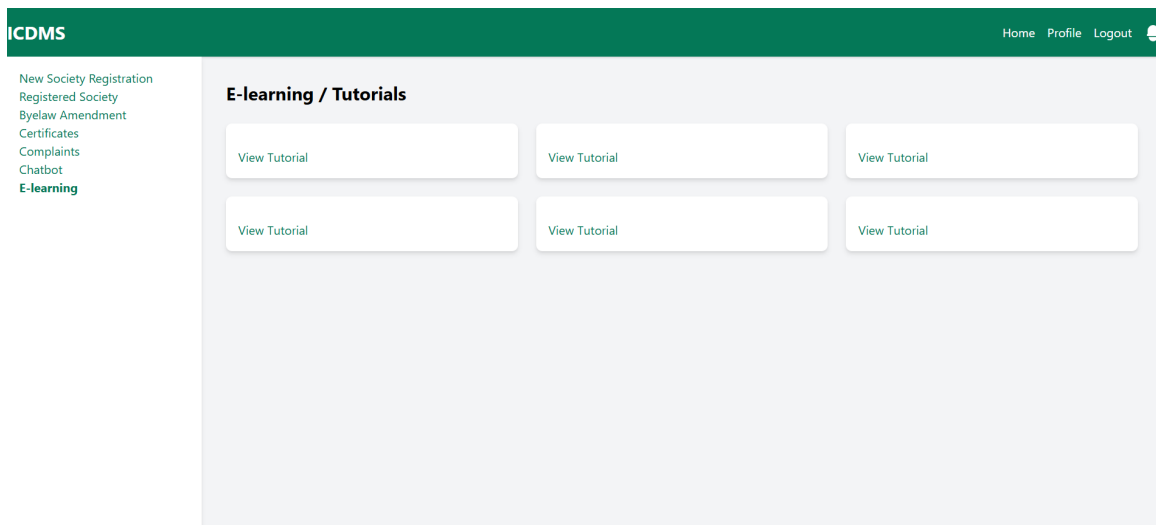


Figure 4.19: E-learning

4.7.16 AR Home

This dashboard provides a quick overview of key metrics for the ICDMS system. The interface features a sidebar for easy navigation between sections like reviewing applications, approving by-laws, managing audits, and more. The main content area displays widgets showing important information, such as the number of applications pending review, complaints assigned, and upcoming deadlines. With its clean layout and clear organization, the dashboard ensures that the user can efficiently manage tasks and stay on top of critical updates and actions.

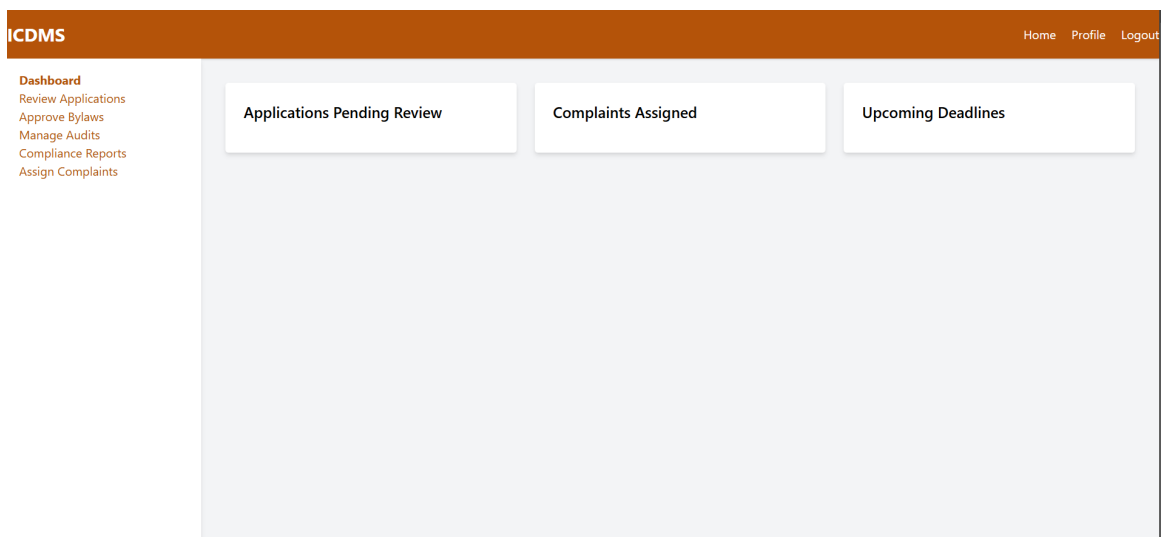


Figure 4.20: AR Home

4.7.17 Review Application

This page allows users to review applications within the ICDMS system. The sidebar provides quick navigation to different sections like the dashboard, bylaws approval, audits, and more. In the main content area, a table displays application details, including the application ID, applicant's name, submission date, status, and available actions. Users can approve, reject, or view the details of each application, streamlining the review process with simple, interactive buttons for each action. The layout is clean, making it easy for users to manage and respond to applications.

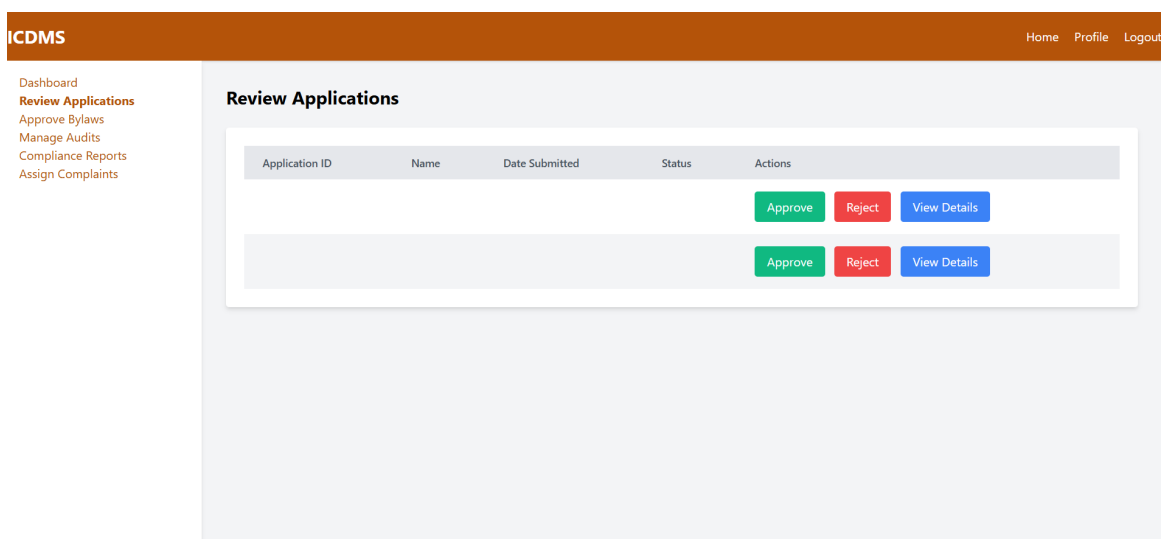


Figure 4.21: Review Application

4.7.18 Approve Bylaw

The "Approve Bylaws" page in the ICDMS system provides an interface for users to review and manage proposed bylaws. The sidebar allows quick navigation to various sections such as the dashboard, review applications, and more. In the main content area, a table displays the bylaws with their ID, title, proposed date, status, and available actions. Users can approve, reject, or view the details of each bylaw. The layout is user-friendly, enabling efficient decision-making on the proposed changes to bylaws.

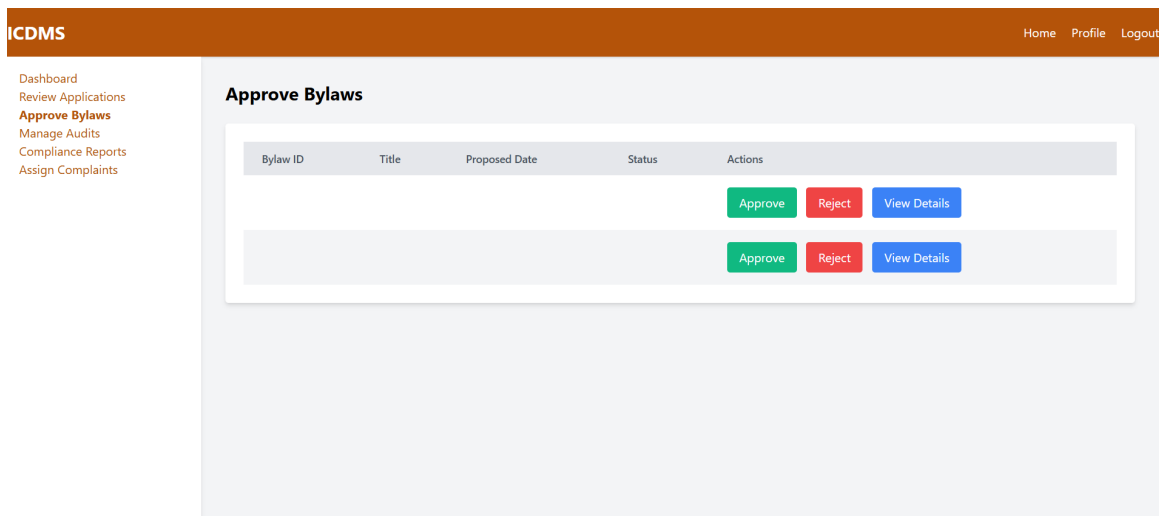


Figure 4.22: Approve Bylaw

4.7.19 Manage Audit

The "Manage Audits" page in the ICDMS system allows users to view, schedule, and manage audit activities. It features a sidebar for easy navigation to sections like the dashboard and compliance reports. In the main content area, users can see a table displaying the audit ID, name, date, status, and available actions. Users can view completed audit reports, access details of ongoing audits, or cancel audits. Additionally, a button is provided for scheduling new audits, making the process of managing audits streamlined and efficient.

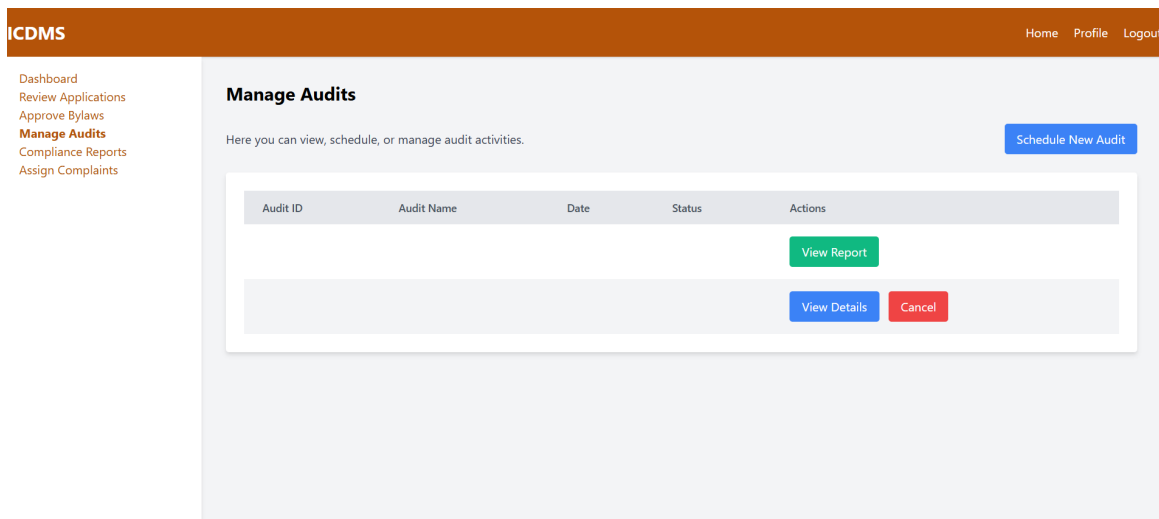


Figure 4.23: Manage Audit

4.7.20 Compliance report

The "Compliance Reports" page in the ICDMS system enables users to view, download, and generate compliance reports. It features a sidebar for navigation and a main section displaying a table of reports, including their ID, name, generation date, and status. Users can take actions such as viewing, downloading, or generating reports. A button to generate new reports is also available, making it easy to manage compliance documentation effectively.

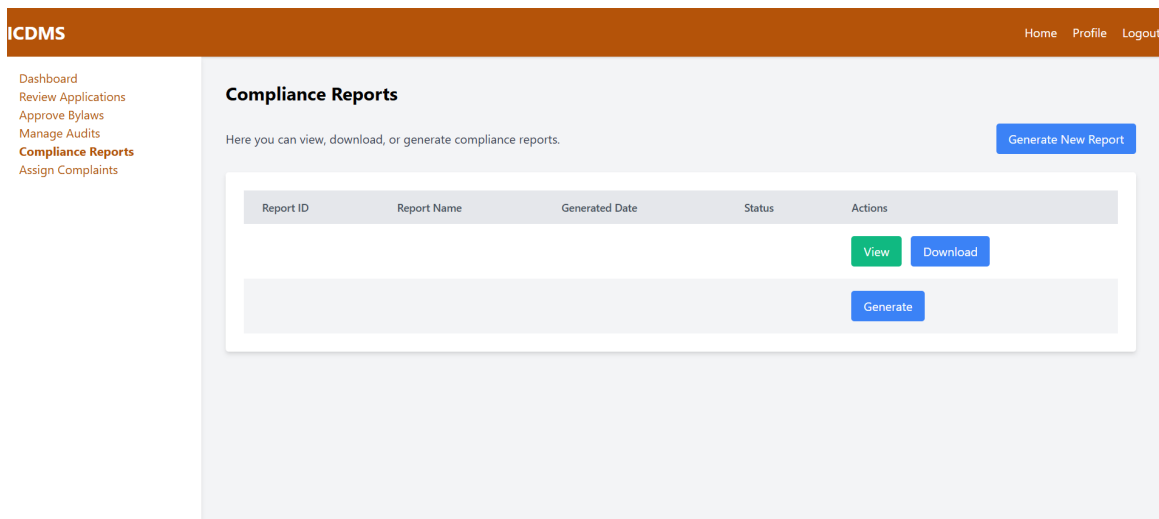


Figure 4.24: Compliance report

4.7.21 Assign Complaints

This is the "Assign Complaints" page of the ICDMS system, designed to help administrators manage and assign complaints efficiently. The page features a user-friendly layout with a header, sidebar navigation, and a main content area. It displays a table listing complaint details such as ID, type, date filed, and assigned personnel. Administrators can easily assign or reassign complaints using the "Assign" or "Reassign" buttons, which open a modal form to select the responsible person. The modal includes options to view the complaint ID and choose an assignee.

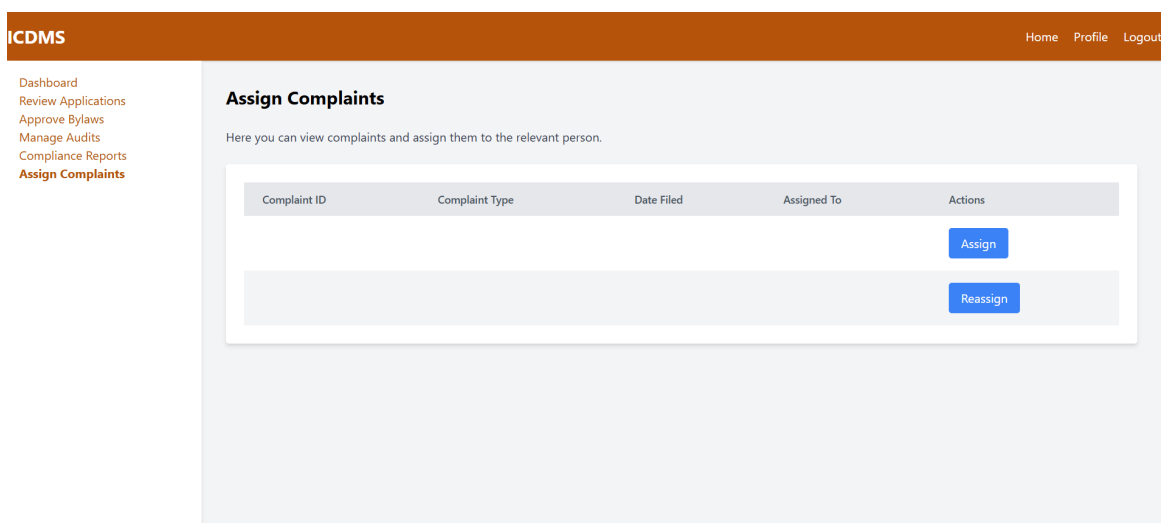


Figure 4.25: Assign Complaints

4.7.22 DR Home

This is the "Deputy Registrar Dashboard" page of the ICDMS system, designed to provide a clear and organized overview of key tasks and information. The page features a header with navigation links and a sidebar for quick access to actions such as approving applications, accessing compliance data, and viewing assigned complaints. The main dashboard displays interactive widgets summarizing forwarded applications, approval-pending items, and completed tasks. With its clean layout the dashboard ensures a user-friendly experience, enabling the Deputy Registrar to efficiently manage and track their responsibilities.

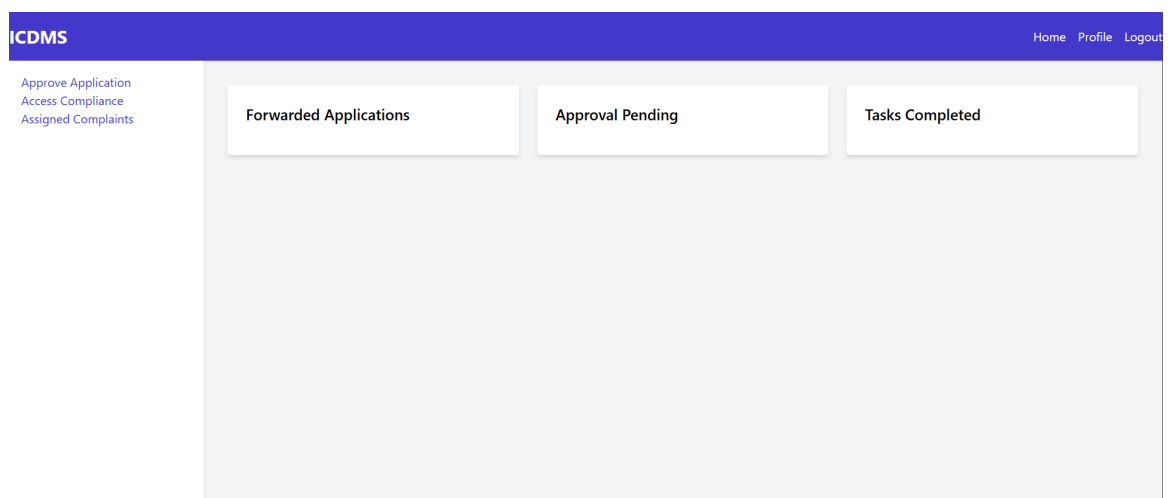


Figure 4.26: DR Home

4.7.23 Approve application

This "Approve Applications" page is designed to streamline the application approval process for the ICDMS system. It features a sidebar for easy navigation to related tasks and a user-friendly interface for managing applications. The page includes a search form to filter applications by ID, society name, or status. A dynamic table displays application details such as ID, society name, submission date, and current status. Each row includes action buttons to approve or reject applications, ensuring efficient handling.

ICDMS Home Profile Logout

Approve Application
Access Compliance
Investigate Complaints

Approve Applications

Search Applications

Application ID Society Name Status

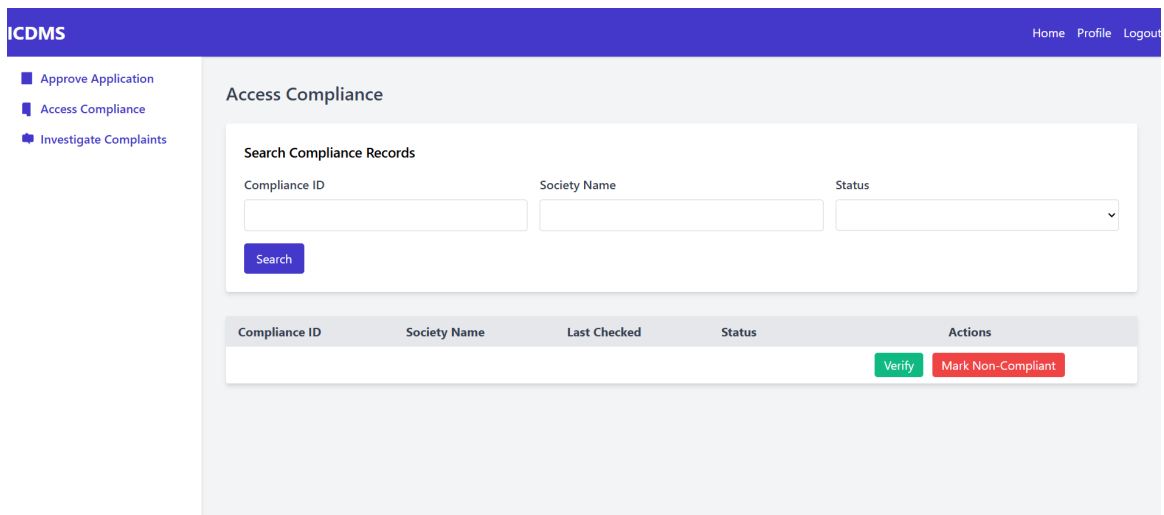
Search

Application ID	Society Name	Submitted On	Status	Actions
				<button>Approve</button> <button>Reject</button>

Figure 4.27: Approve application

4.7.24 Access Compliance

This is a web page designed for the "Access Compliance" section of the ICDMS system. It features a responsive header with navigation links for easy access to the Home, Profile, and Logout options. A sidebar menu provides quick links to key functions such as approving applications, accessing compliance records, and investigating complaints. The main content area includes a search form where users can filter compliance records by Compliance ID, society name, and status. Below the form, a table displays compliance records with details like Compliance ID, society name, last checked date, and status. Users can take actions like verifying or marking records as non-compliant directly from the table.



Compliance ID	Society Name	Last Checked	Status	Actions
				<button>Verify</button> <button>Mark Non-Compliant</button>

Figure 4.28: Access Compliance

4.7.25 Investigate Complaints

The "Investigate Complaints" page provides a user-friendly interface to manage and track complaints efficiently. It includes a search form that allows users to filter complaints based on Complaint ID, Society Name, and Status. The page displays a table listing complaint details such as Complaint ID, Society Name, Date Filed, and Status. Users can view specific complaint details or mark complaints as resolved using action buttons.

The screenshot shows the ICDMS application interface. On the left is a sidebar with navigation links: 'Approve Application', 'Access Compliance', and 'Investigate Complaints' (which is highlighted). The main content area is titled 'Investigate Complaints'. It contains a 'Search Complaints' section with three input fields: 'Complaint ID', 'Society Name', and 'Status' (a dropdown menu). A 'Search' button is located below these fields. Below the search section is a table with the following columns: 'Complaint ID', 'Society Name', 'Date Filed', 'Status', and 'Actions'. The 'Actions' column contains two buttons: 'View Details' and 'Mark Resolved'.

Figure 4.29: Investigate Complaints

4.7.26 JR Home

The "Joint Registrar Dashboard" is a streamlined interface designed for efficient management and monitoring of society-related tasks. It features a sidebar for easy navigation to sections like Society Applications and Bylaw Amendments. The main dashboard includes widgets displaying key metrics such as Active Applications, Pending Approvals, and Tasks in Progress, providing an at-a-glance overview of critical information.

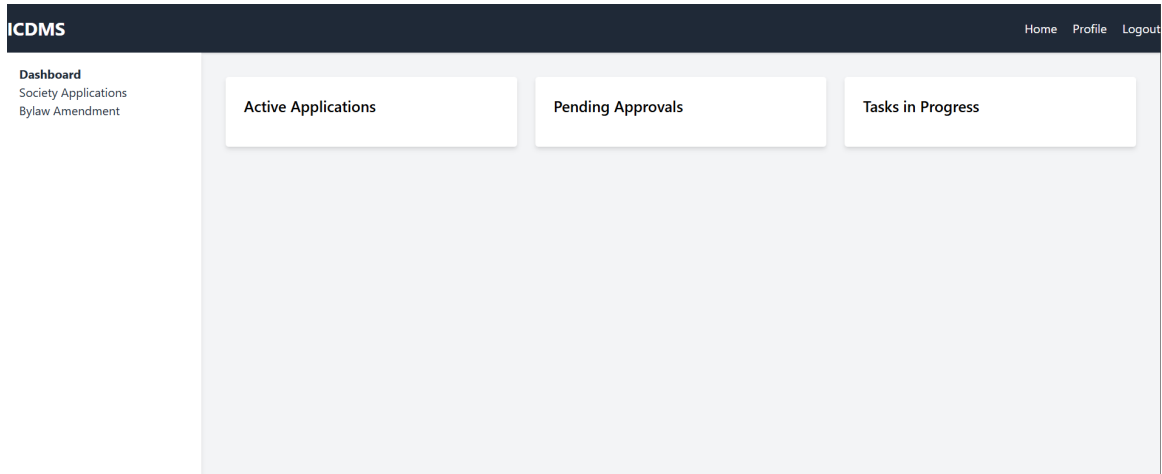
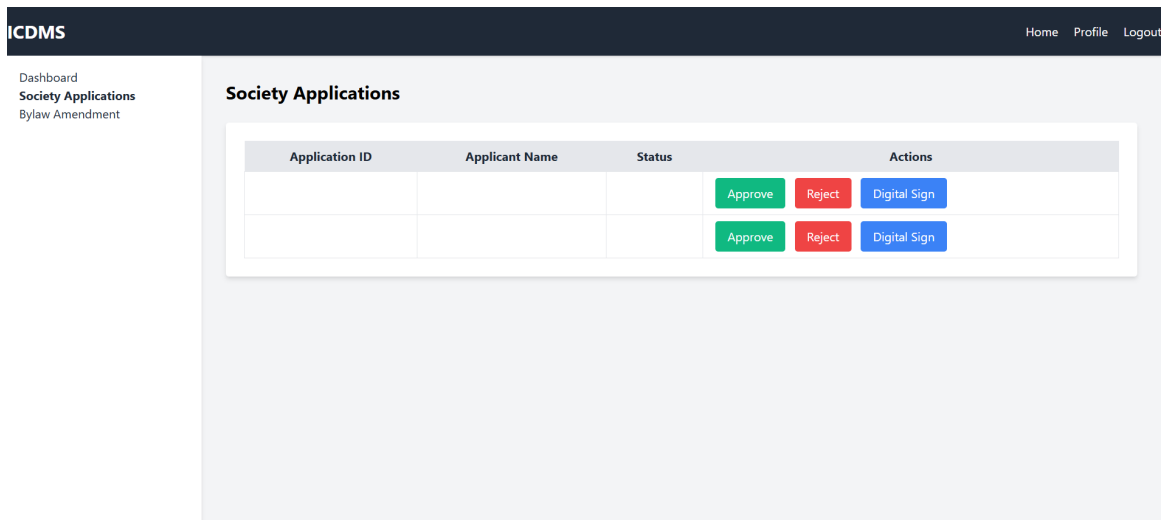


Figure 4.30: JR Home

4.7.27 Digital Sign Certificate

The "Society Applications" page is designed to manage applications submitted by society members efficiently. It displays a table with details such as Application ID, Applicant Name, Status, and available actions. Users can review applications and perform actions like approving, rejecting, or digitally signing them using clearly labeled buttons.



Application ID	Applicant Name	Status	Actions
			<button>Approve</button> <button>Reject</button> <button>Digital Sign</button>
			<button>Approve</button> <button>Reject</button> <button>Digital Sign</button>

Figure 4.31: Digital Sign Certificate

4.7.28 JR Approve Byelaw Amendent

The "Bylaw Amendment" page is a dedicated section for managing proposed changes to society bylaws. It features a clean and organized layout with a table displaying details such as Amendment ID, Proposed Amendment, Date Proposed, and available Actions. Users can review each proposal and take appropriate actions like approving or rejecting it using intuitive buttons.

Amendment ID	Proposed Amendment	Date Proposed	Actions
			<button>Approve</button> <button>Reject</button>
			<button>Approve</button> <button>Reject</button>

Figure 4.32: Approve Byelaw amendent