

ICDMS



INTEGRATED CO-OPERATIVE DEPARTMENT MANAGEMENT SYSTEM

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INTRODUCTION

- Objective: : Create a digital platform for the Joint Registrar of Cooperative Societies, Kalpetta, Wayanad, to improve the management and operation of cooperative societies.
- Core Functions: Society registration, document uploads, digital certificate issuance, monitoring and audit management, compliance tracking, notifications, reporting, AI chatbot support and e-learning resources.
- Key Benefits: Automates cooperative operations, ensures compliance, and offers real-time user support, enhancing efficiency.



EXISTING SYSTEM

- Online registration and document submission.
- Limited features for audit scheduling and compliance tracking.
- Communication and follow-up are manual.
- Most processes are manual, leading to inefficiencies.
- Struggles to handle more users and transactions as it grows.
- Few options for detailed compliance reports and tracking.
- Lacks advanced security for sensitive data and documents.

PROPOSED SYSTEM

- Societies can register online, upload documents, and receive digital certificates.
- Automated audit scheduling and compliance tracking.
- Notifications via email and in-app alerts for deadlines, audits, and updates.
- Complaints can be submitted online and tracked in real-time, ensuring faster resolution and transparency.
- AI-powered chatbot for queries related to registration, audits, and compliance.
- E-learning resources and training programs for cooperative members and staff.



MODULES

- Registration and Documentation Management : Societies can apply for registration and upload documents online. The application is reviewed and approved by the Registrar team, and digital certificates are given once approved.
- Audit, Compliance, and Notification Module: The Assistant Registrar schedules audits and checks if rules are being followed. The system sends reminders and updates to users and provides compliance reports.
- AI Chatbot and E-learning Module: An AI chatbot helps users with questions. Available 24/7 for assistance anytime.
- Complaint Management and User Management Module: Users can submit complaints, which are handled by the right authority. Admins manage user access, and the system tracks user actions for security.

Feasibility Study

- Purpose: The Society Registration Management System simplifies society registration and compliance. It reduces manual work for users and administrators. The system automates tasks like document handling, tracking, and notifications. It replaces old methods with an easy-to-use, efficient online platform.

Operational Feasibility

- The system simplifies tasks like registration, document uploads, and compliance tracking for users, while helping administrators and registrars manage applications, audits, and complaints efficiently.
- Real-time notifications and AI chatbot support reduce communication gaps and improve user satisfaction.
- The intuitive interface ensures users of all technical skill levels can easily navigate the system.



❏ Technical Feasibility

- The system uses reliable web technologies, working well on modern devices and securely handling data.
- It can easily handle more users and transactions without slowing down and includes notifications and an AI chatbot.
- The project is easy to develop and maintain with experienced developers and affordable resources.

❏ Economic Feasibility

- Costs: The system saves time and money by automating tasks and reducing errors.
- Savings: It can grow without extra costs, providing long-term savings and value.



SYSTEM ENVIRONMENT

❖ Developer Requirement

❑ Hardware Requirement

- Processor: i3 or above
- System Bus: 32 Bit or 64 Bit
- Ram: 4GB or above
- Hard Disk: 500 GB or Above



📄 Software Requirement

- Operating system : Windows 7 or above
- Front end : Handlebars
- Back end : Nodejs, Express
- Database : Mongoddb
- IDE : Microsoft Visual Studio Code
- Web browser :Chrome, Explorer, Edge. . . etc.

❖ User Requirement

- Any smartphone/Computer/ Laptop
- Stable internet Access

ACTORS AND THEIR ROLES

ADMIN

The Admin is responsible for the overall management and configuration of the system.

- Login
- Configure and Maintain AI Chatbot
- Upload and Manage Training Materials
- Monitor User Activities and System Usage

SOCIETY USER

The Society User interacts with the system to handle registration and compliance processes.

- Login
- Register for a System Account
- Submit Society Registration Applications
- Upload Required Documents
- Receive Notifications
- Download Digital Certificates
- Manage Bylaw Amendments
- Use AI Chatbot
- Complete Training Modules
- Submit and Track Complaints



ASSISTANT REGISTRAR (AR)

The Assistant Registrar is responsible for reviewing applications and ensuring compliance at the preliminary level.

- Login
- Review Registration Applications
- Approve Byelaw Amendments
- Send Notifications
- Schedule and Manage Audits
- Generate Compliance Reports
- Review and Assign Complaints

DEPUTY REGISTRAR (DR)

The Deputy Registrar oversees compliance and investigates escalated issues.

- Login
- Review Forwarded Applications
- Access Compliance Dashboards
- Investigate Complaints



JOINT REGISTRAR (JR)

The Joint Registrar is responsible for final approvals and ensuring compliance at the highest level.

- Login
- Approve or Reject Applications
- Sign and issue digital certificates



Thank you!

