Online Portal for Reporting and Filing Crimes

ABSTRACT

SUBMITTED BY,

MIDHU J H

NO. 38

INMCA S9

DATE: 31.07.2023

GUIDE: Ms. SHELLY SHIJU GEORGE

Introduction to the Project:

Introduction:

This project is aiming to develop an online portal for law-enforcement officials and common man to report crimes which will act as a communication platform. It will be useful for researchers and other government officials to track the count of crimes in a particular area. Five users: Admin, Registered User, Law-enforcement, Control room staff and Prison warden.

It will promote interoperability and enhances the overall efficiency of the criminal filing system. The system will include chatbot for assistance.

System Study and Analysis:

Introduction:

The portal allows investigators to modify case details, document investigation findings, and keep track of case status. Users have the option to file criminal cases and make fine payments using the portal. Additionally, they can schedule appointments with jailors through the same platform.

Existing System:

The primary focus of the existing system lies in facilitating communication between law enforcement and the public, but it lacks provisions for legal support, such as contact information for advocates. Moreover, the progress of cases under investigation remains inaccessible to the general public and common citizens.

Proposed System:

Proposed system will require less manual work. The fines imposed on petty offences can be paid online through the payment gateway in the website. Thus, the Law-enforcement department cannot be bribed and the cash is paid directly to the government. The proposed system incorporates a legal support feature, comprising the contact details of advocates.

Disadvantage of existing system:

The existing system requires more manual efforts and lacks advanced technologies and machine learning capabilities, which could greatly enhance the working of the portal.

Advantage of proposed system:

More reliable and handy system to reduce manual efforts. Manageable interface for offenders.

Users:

Admin

Registered User

Law-enforcement

Control room staff

Prison warden

Functionalities:

Admin:

- User Management: The admin possesses the authority to deactivate user accounts both in instances of terms of service violations and upon user request. They can also assign specific roles and permissions to different users.
- Crime Report Review: The admin can review the crime reports submitted through the portal to ensure they meet the necessary criteria and are complete.
- Data Management: The admin is responsible for the overall management of data on the portal, ensuring its integrity, security, and confidentiality. They may have access to sensitive information, so data protection is a crucial aspect of their role.
- Communication and Notifications: Admins can communicate with users through the portal, providing updates, notifications, and reminders related to crime reporting, investigations, or any relevant information.
- System Configuration: Admins have the authority to configure and customize the portal's settings, such as defining the types of crimes that can be reported, setting up notification preferences, and managing other system parameters.

Registered User:

- Crime Reporting: Registered users can submit crime reports through the online portal. They can provide details about the incident, location, date, time, and any other relevant information.
- Personal Account Management: Users can manage their personal accounts, including updating contact information, resetting passwords, and viewing their submitted crime reports' status.
- Report Status Tracking: Registered users can track the status of their submitted crime reports, such as whether the report has been received, is under review, or has been forwarded for investigation.

- Communication with Admin/Law Enforcement: Users may have the ability to communicate with the admin or law enforcement personnel through the portal to provide additional information or seek clarification about their crime reports.
- Anonymity and Privacy Options: Depending on the portal's setup, users might have options to report crimes anonymously or choose to keep certain personal details confidential while submitting the report.
- Feedback and Reviews: Some portals might allow registered users to provide feedback or reviews about their experience with the system or law enforcement's handling of their reports.

Law-enforcement:

- Crime Report Review and Investigation: Law enforcement personnel have access to the portal to review and investigate crime reports submitted by registered users. They can prioritize and assign cases for further action.
- Evidence Collection and Documentation: Law enforcement officers can collect additional information, evidence, and documentation related to reported crimes through the portal. This may include photographs, videos, witness statements, and other relevant data.
- Communication with Users: Law enforcement can communicate with users who have filed crime reports through the portal to seek additional information, provide updates on case progress, or request clarification.
- Case Management: Law enforcement can manage and update the status of reported cases within the portal, keeping track of the investigation's progress and any actions taken.
- Analytics and Crime Trends: Law enforcement can use the portal's analytical tools to analyse crime trends, patterns, and hotspots, aiding in resource allocation and proactive crime prevention efforts.
- System Alerts and Notifications: The portal may have automated alerts and notifications that inform law enforcement about newly submitted crime reports or important updates related to ongoing cases.
- Reporting to Higher Authorities (Control room staff): Law enforcement can generate and submit comprehensive reports to higher authorities or agencies as required for official records and further actions.

Control room staff:

- Emergency Response: Control room staff are responsible for receiving and handling emergency crime reports submitted through the online portal. They must promptly assess the severity of the situation and dispatch appropriate emergency services, such as police, fire, or medical assistance.
- Verification and Validation: Control room staff verify the accuracy and authenticity of crime reports to prevent false or misleading information from being acted upon.

- User Support: Control room staff provide user support to individuals who encounter technical issues or require assistance with navigating the online portal.

Prison warden:

- Inmate Management: The prison warden may have access to the portal to view information about inmates, including their records, behaviour, and any incidents involving them.
- Incident Reporting: In the event of any criminal activities or incidents occurring within the prison, the prison warden may use the portal to report such incidents to the appropriate authorities or law enforcement.
- Compliance and Reporting: The prison warden may use the portal to ensure compliance with regulations, reporting requirements, and administrative tasks related to the management of the correctional facility.
- Communication with Other Prison Authorities: The prison warden may communicate with other prison authorities or administrators through the portal for operational purposes or to address specific concerns.

MINI PROJECT:

Admin:

- Admin manages the login details of users
- Registration of users
- Interface design

Registered User:

- Report crimes
- Can create accounts
- Login and register using credentials

Law-enforcement:

- File the crimes to the control room staff
- Manage and update the status of the reported cases

Control room staff:

- Provide quick responses to the law-enforcement

Prison warden:

- Report any crimes occurring within the prison to the law enforcement
- Manages the visiting time for jailors

MAIN PROJECT:

Admin:

- Provides chatbot to the users to interact.
- Tracks the count of crimes in a particular area

Registered User:

- Communicate with admin and law-enforcement
- Anonymously report crimes

Law-enforcement:

- Automated alerts and notifications when a new crime is submitted
- Analytical tools to analyse crime trends and counts

Prison warden:

- Communicate with other prison authorities through the portal
- Manages the medical support for jailors like counselling