**ABSTRACT**

**Topic: - ECHO - Online Crime Reporting System**

**Submitted by: Sudeesh E S**

**Roll No:42**

**RMCA, SEM 4**

**MAIN PROJECT**

The Online Crime Reporting System using Python Django is a web-based platform designed to empower individuals to report criminal activities and incidents in a convenient and efficient manner. This project aims to bridge the gap between the general public and law enforcement in Kottayam district, ensuring a seamless process for reporting and addressing crimes. The system provides an easy-to-use interface where users can submit detailed information about criminal incidents, suspicious activities, or safety concerns.

**Underlying Technologies**

**Front End:** Html, CSS

**Back End:** Python Django

**Database:** Sqlite3/MongoDB

**Law Enforcement Departments**

* **Manage Reports**
* Criminal Report
* Case Report
* Case Report
* **Review User Feedback:** Allow employees to review user feedback about incidents, investigation experiences, and suggestions for improvements.
* **Case Search:** Provide advanced search and filtering capabilities to quickly locate specific incidents assigned to them.
* **Multimedia Evidence:** Provide a dedicated space for to view, manage, and analyze multimedia evidence (photos, videos) related to incidents.
* **Evidence Upload:** Allows to upload additional evidence collected during the investigation.
* Include a help or support section for users encountering issues or needing assistance.

**Integration with Emergency Services:**

Enable users to escalate incidents to emergency services with a single click, especially for situations requiring immediate attention.

**Real-time Chat Support:**

Integrate a real-time chat feature that allows users to interact with law enforcement or support staff in real-time for immediate assistance.

**Integration with Social Media:**

Integrate social media sharing functionalities to allow users to share incident reports or safety alerts with their social networks, increasing awareness and outreach.

**Machine Learning Modules on Consideration:**

1. **Face Recognition:** user of witness of the crime can give the physical information of criminal.
2. **Incident Classification:** Implement a basic text classification model using techniques like Naive Bayes or Logistic Regression to categorize incident descriptions into predefined categories (e.g., theft, assault, vandalism).
3. **Keyword Highlighting:** Implement a feature that highlights key phrases in incident descriptions, aiding law enforcement in quickly identifying relevant information.