CIMAS

Cybercrime Incident Management & Awareness System

Adithayan AS(4), Adwin T Sunil(5),
Evaan Antony Philip(23)

ABSTRACT

The project aims to develop a secure and centralized platform for reporting, tracking, and managing cybercrime incidents. CIMAS provides an easy way for victims to submit complaints and evidence, and allows investigators to access case details, assign tasks, and track progress efficiently. The system also helps identify high-risk areas with location-based analytics, and offers an Awareness Hub to guide the public on safe online practices.

Front-end technologies React and JavaScript ensure a user-friendly interface, while the back-end uses Django DB with PostgreSQL for reliable data storage. Security is strengthened through password hashing, role-based access control, and safe file handling.

Core features include role-based user access, incident reporting, evidence submission, investigator assignment, case tracking, crime mapping, and an awareness content library. Future upgrades may add a mobile app, AI-based crime pattern detection, chatbot support, and blockchain-based evidence verification.

By combining efficient reporting, transparency, and public awareness, CIMAS aims to improve cybercrime management and digital safety.