Waste Management Surveillance System

Requirements:

Real-time Video Monitoring:

1. Create a system that can seamlessly integrate with the existing camera network of Suchitwa Mission.
2. Provide real-time monitoring of video feeds from different locations to identify instances of public littering.

Object Recognition and Notification:

1. Implement advanced computer vision algorithms to recognize and differentiate waste disposal activities by individuals.
2. Develop a notification system that promptly alerts authorities when unauthorized waste disposal is detected.

Data Analytics and Reporting:
1. Incorporate data analytics capabilities to generate insights into waste disposal patterns.
2. Provide a reporting mechanism for authorities to analyze trends and take preventive measures.

User-Friendly Interface:

1. Design an intuitive and user-friendly interface for easy access and monitoring by local authorities.
2. Ensure the system is scalable and adaptable to future expansion of the surveillance network.

Compliance with Data Privacy Regulations:

Adhere to data privacy and security standards to protect the privacy of individuals being monitored.