Data Collection and Preprocessing Phase

Date	15 April 2024
Team ID	738181
Project Title	CRIME VISION: ADVANCED CRIME CLASSIFICATION WITH DEEP LEARNING.
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

Data Collection Plan Template

Section	Description
Project Overview	The primary objective of this project is to develop and implement an advanced crime classification system leveraging deep learning techniques to improve the accuracy and efficiency of crime categorization and management. Real-time monitoring and analysis of criminal activities to enable proactive intervention and crime prevention. Integration with existing law enforcement databases and systems for seamless data sharing and collaboration. Utilization of various Deep Learning models like DenseNet121, VGG16, Xception & ResNet50 to analyze crime data.

Data Collection Plan	SmartInternz Platform (Kaggle)
Raw Data Sources Identified	PNG Images of various Crime Categories like, Abuse, Arrest, Arson, Assault, Burglary, Explosion, Fighting, Normal Videos, RoadAccidents, Robbery, Shooting, Shoplifting, Stealing, Vandalism

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset 1	The dataset contains extracted images from the UCF crime dataset used for Real-world Anomaly Detection in Surveillance Videos. The dataset contains images extracted from every video from the UCF Crime Dataset.	https://www.kaggle.com/datasets/odins0n/ucf-crime-dataset	Image(.png)	12 GB	Public