**Data Collection and Preprocessing Phase**

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| Date | 15 JUNE 2025 |
| Team ID | xxxxxx |
| Project Title | CRIME VISION |
| 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**

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| --- | --- |
| **Section** | **Description** |
| Project Overview | |  | | --- | |  |  |  | | --- | | A machine learning project to classify video/image frames into  different crime categories (e.g., Robbery, Vandalism, Explosion, etc.)  using deep learning with transfer learning (DenseNet121).  The objective is to build an intelligent crime detection system based  on visual inputs. | |
| Data Collection Plan | Data was collected from publicly available video datasets and categorized manually into 14 crime classes. It was then divided into training and testing sets stored in /content/Train and /content/Test. |
| Raw Data Sources Identified | Collected video frames were processed into images and sorted by crime categories like Fighting, Robbery, Explosion, etc. Stored in class-wise folders for training and testing. |

**Raw Data Sources Template**

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| --- | --- | --- | --- | --- | --- |
| **Source Name** | **Description** | **Location/URL** | **Format** | **Size** | **Access Permissions** |
| UCF-Crime Dataset (Processed) | Frame-wise images categorized by crime types such as Assault, Shoplifting, Robbery, etc. | Local path: /content/Train, /content/Test | .jpg, .png | ~300MB–1GB (depends on usage | Internal (No public access unless uploaded to a shared repo) |
| Manually Curated Crime Clips | Supplementary video clips converted to images using OpenCV and categorized | Local or extracted from YouTube/CCTV datasets | .png | ~500  MB | Public sources but processed locally |
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