

Project Design Phase – I

Solution Architecture

Date	13 – 11 -2023
Team - Id	591544
Project Name	Crime Vision: Advanced Crime Classification With Deep Learning
Maximum Marks	5 Marks

Solution Architecture:

Building Blocks:

Data Collection: Gather crime scene images and videos.

Data Preprocessing: Normalize and compress data for consistency.

Deep Learning Model: Employ CNNs for training and inference.

Model Training: Train the model on labeled datasets.

Model Deployment: Implement the model for real-time processing.

Crime Identification: Apply the model to classify crimes.

Output Generation: Generate classifications and confidence scores.

Integration: Integrate results with law enforcement systems.

Feedback Loop: Collect feedback for continuous improvement.

Surveillance Analysis: Analyze data for patterns.

Strategy Development: Formulate crime prevention strategies.

Workflow of Data:

Data Collection: Collect crime scene data.

Data Preprocessing: Standardize and compress data.

Model Training: Train deep learning model.

Model Deployment: Deploy model for real-time processing.

Crime Identification: Identify and classify crimes.

Output Generation: Generate classifications.

Integration: Integrate results with law enforcement systems.

Feedback Loop: Gather feedback for model improvement.

Surveillance Analysis: Analyze data for patterns.

Strategy Development: Develop crime prevention strategies.

