**Model Development Phase Template**

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| Date | 1 JUNE 2025 |
| Team ID | SWTID1749902640 |
| Project Title | CRIME VISION:ADVANCED CRIME CLASSIFICATION LEARNING |
| MARKS | 5 Marks |

**Model Selection Report**

In the model selection report for future deep learning and computer vision projects, various architectures, such as CNNs or RNNs, will be evaluated. Factors such as performance, complexity, and computational requirements will be considered to determine the most suitable model for the task at hand.

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| **Model** | **Description** |
| **Model 1: Simple CNN** | Baseline CNN model with 2 convolutional layers and dense layers for classification. |
| **Model 2: DenseNet121 (Final)** | Transfer learning using pre-trained DenseNet121. Lightweight and accurate with frozen convolutional base. Selected as final model. |

**Model Selection Report:**

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| **Model** | **Description** |
| Model 1 | Training Setup Code & Visualizations : |
| Model 2 | Dataset Loading & Augmentation : |
| Model 3 | **Model Architecture Code :** |
| Model 4 | **Training the Model :** |
| Model 5 | **Evaluation on Test Set :** |
| Model 6 | **Individual Image Predictions :** |
| Model 7 | **Web App Deployment Code :** |
| Model 8- | **Ngrok Public URL Setup :** |