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Data Science

# Criminal Face Recognition
# (CRIMINAL EYE)

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**Project Guide**
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# Contents

# 1. Introduction

- The criminal face recognition system is an initiative to develop a technology that can aid law enforcement agencies in identifying individuals who have been accused or convicted of a crime.
- The project involves creating a program that can analyze Real-Time footage and images of a suspect's face and compare it to a database of known criminals to identify a match based on specific facial features and characteristics.


# 1. Introduction

- **Problem Identified**

1. Time Consuming Investigations

2. Difficulty in finding criminals in crowded places

3. Time Constraints

4. Limited Eyewitness and Evidence

5. Multiple suspects

# 1. Introduction

- **Solution Proposed :**

1. Real-Time Criminal Recognition

2. Faster and more accurate identification

3. Improved data collection

4. Automated Process

5. Time Efficiency

6. Enhanced safety and security

# 2. Objectives

1. To accurately identify suspects
2. To Enhance public safety
3. To Automate the identification process
4. To Reduce human error
5. To minimize Cost-effectiveness

# 3. Scope

1. Law Enforcement
2. Border control and immigration
3. Airport Security
4. Tourists place
5. Banking and Hospitals

# 4. Feature /Functionality

1. Facial detection and capture

2. Facial recognition and matching

3. Real-time identification

4. Database management

5. Accuracy and reliability

6. User-friendly interface

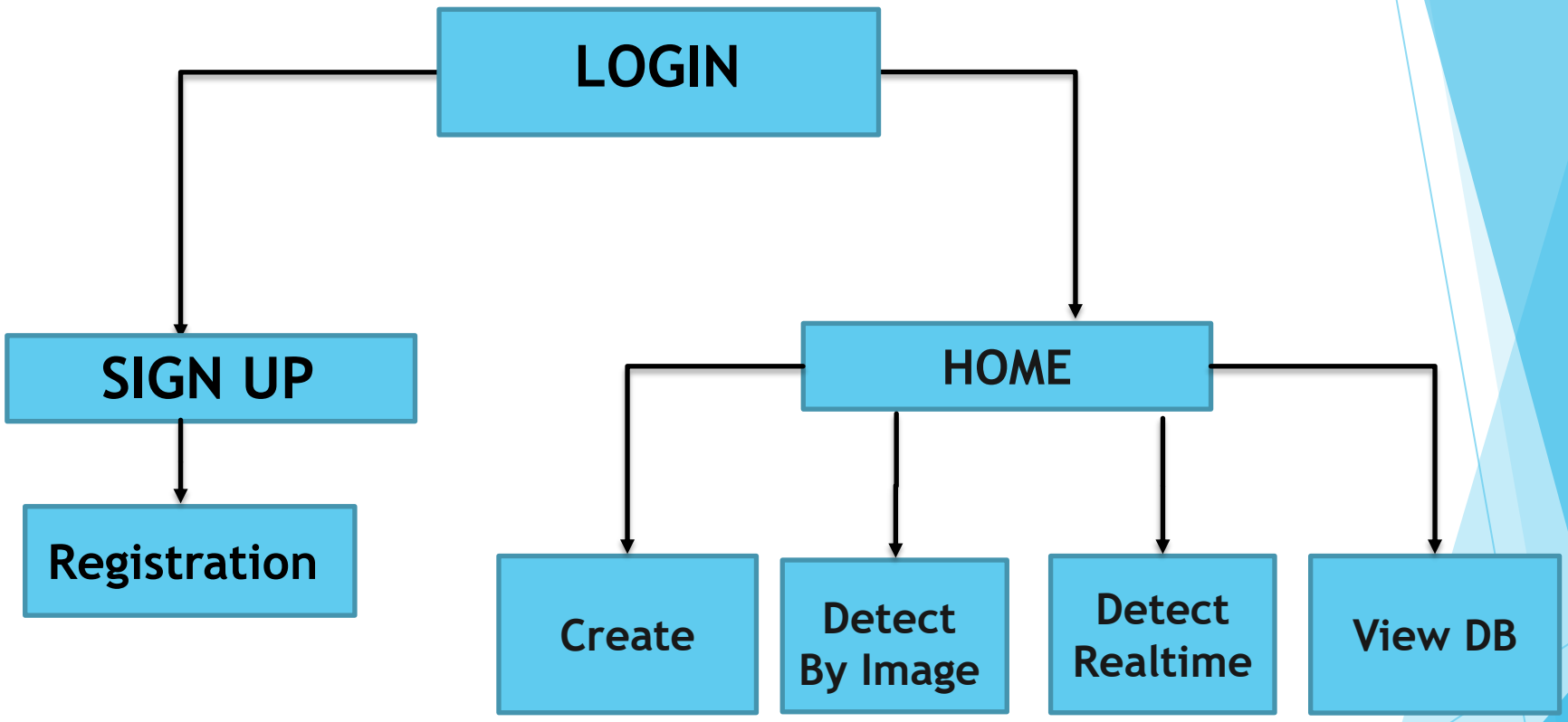
# 5. Outcome of Project

1. User can login and register.
2. User can create criminal database and view database.
3. User can detect criminal by uploading images.
4. User can detect criminal in real time.

# 6. Technology Stack

1. Frontend:
    i. Tkinter
    ii. PyCharm 3.11.0
    iii. Python 3.8
2. Backend:
    i. MySQL Workbench
    ii. MySQL Python Connector

# 7. Block Diagram



Thank You...!!