

# Beat The Culprit

## Algorithm:

Step 1: Start

Step 2: Capture a single frame

Step 3: If face is detected then:

1. Use that frame for recognizing.
2. If the captured face is matched with the criminal's database then :

1. Display criminal's record
2. Ring up the alarm
3. Notify the concerned authority through SMS

Else :

1. Display "Not a Criminal"

Else:

1. Go to step 4

Step 4: Repeat Step 2 and 3

Step 5: End

## Time and Space complexity:

$T(n) = O(n)$

$S(n) = O(1)$