

ANDROID BASED CRIMINAL LOCATION DETECTOR USING GPS AND CAMERA IN HANDHELD DEVICE

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ABSTRACT:

This is the android based application in which the application user should open the application which will be running aside on your mobile. Then he can place the mobile phone as usual and he can proceed his day to day activity. If the user is placing his mobile in his front pocket and the user can also keep the mobile phone

in her purse in which the camera will be running and the camera will detect the face of all individuals, the face will compare with the criminal database. If it resembles then the near by police will get the criminal location via GPS. And he can be caught easily by the local guards even the user wont get the notifications or any alarm or message regarding the criminals.

KEYWORDS USED:

GPS-GLOBAL POSITIONING SYSTEM
CCTV-CLOSED CIRCUIT TELEVISION.

INTRODUCTION:

The major part of this system is to detect the criminals via android mobile. Public should install this application and only few data will be taken. This is the social humanity application in which every individual are responsible to catch the criminal. This is only the camera application in which it will detect the photo of the every individual by the image processing. Then it will make a comparison with the Corporation criminal database. Then the matched face location will be send to the nearby police control room. Then as soon as possible the criminal will be caught.

EXISTING SYTEM:

The current system followed is that the CCTVs are placed in public places which can detect the faces which are specified by police corporation. The CCTV camera are placed in all public places which provides a surveillance. By using this system the criminals cannot be tracked by the exact location since no GPS is present here.

DISADVANTAGE OF EXISTING SYSTEM:

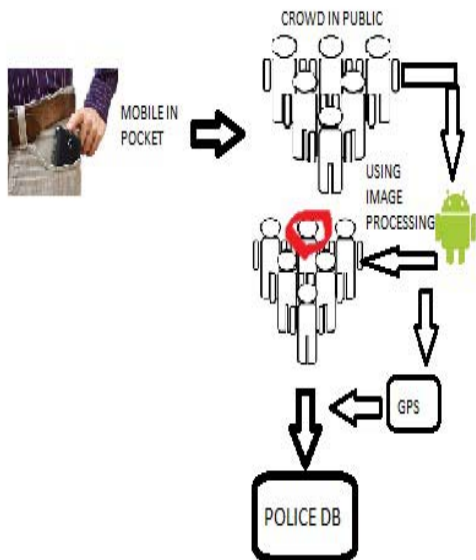
1. Requires keen monitoring.
2. Used only when crime is made
3. No GPS installed
4. Slow process
5. Cannot be installed every where

ADVANTAGES OF PROPOSED SYSTEM:

1. GPS is used to track the exact locality of the person
2. Simple to use
3. Portability
4. Human to human help

5. Less data consumption

BASIC ARCHITECTURE DIAGRAM OF THE SYSTEM



STEPS INVOLVED IN THE SYSTEM:

1. All individuals should have our android application in their mobiles.
2. They will have their mobiles as they use in regular life
3. Our application should be opened when user roams outside
4. The mobile data should be in on state.
5. The application scans the people image and then it compares with the police database and then it sends the location of the criminal found here.
6. Then he is caught and he is punished.

COMPONENTS USED AND TECHNOLOGY USED:

ANDROID(OS):

Android is a mobile operating system developed by Google, based on the Linux kernel and designed primarily

for touchscreen mobile devices such as smartphones and tablets.

Android's user interface is mainly based on direct manipulation, using touch gestures that loosely correspond to real-world actions, such as swiping, tapping and pinching, to manipulate on-screen objects, along with a virtual keyboard for text input.

IMAGE PROCESSING:

It is processing of images using mathematical operations by using any form of signal processing for which the input is an image, a series of images, or a video, such as a photograph or video frame; the output of image processing may be either an image or a set of characteristics or parameters related to the image.^[1] Most image-processing techniques involve treating the image as a two-dimensional signal and applying standard signal-processing techniques to it. Images are also processed as three-dimensional signals where the third-dimension being time or the z-axis.

Image processing usually refers to digital image processing, but optical and analog image processing also are possible. This article is about general techniques that apply to all of them. The acquisition of images (producing the input image in the first place) is referred to as imaging

GLOBAL POSITIONING SYSTEM (GPS),

The Global Positioning System (GPS), also known as Navstar,^[2] is a global navigation satellite system (GNSS) that provides location and time information in all weather conditions, anywhere on or near the Earth where there is an unobstructed line of sight to four or more GPS satellites.^[3] The GPS system operates independently of any telephonic or internet reception, though these technologies can enhance the usefulness of the GPS positioning information. The

GPS system provides critical positioning capabilities to military, civil, and commercial users around the world. The United States government created the system, maintains it, and makes it freely accessible to anyone with a **GPS receiver**.

This consists of the criminal photos of the particular city or state in which an image is stored here by some sort of order. This is made in this project to compare the image processed by the android mobile and the image in the database is matched here. If matched there will be alert to the database or police department,

POLICE DATABASE:

NOTE:

This project can be reached to all the peoples only by the humanity and the people who

care about the society and who are responsible to reduce the crime rate.

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