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Wildlife Crime Investigation

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Abstract —This project aims to be a reference that may inform social control officers concerned in life crime investigation concerning specialist forensic techniques. While the paper is written from the attitude of law enforcement within the world, several of the described techniques are going to be applicable to life crime investigation at a global level. All statutory agencies ought to make sure that they adhere to their own guidance and standards in regard to the grouping and handling of proof which any rhetorical methodology used can stand scrutiny beneath their legal method. Within the world, the Association of Chief Law enforcement officials (ACPO —covering England, Wales and Northern Ireland) and ACPOS in Scotland have issued variety of steerage documents for police forces. a number of those relevant to world life crime investigation are listed at during this report

I. Introduction

Sections of this document handling the lot of standard sorts of forensic examination have deliberately been created not too prescriptive. Customary procedures are already in place and recommendation in reference to the handling, preparation and submission of samples is quickly accessible from police Crime Scene Investigators (CSI), forensic science managers and forensic science suppliers. In different sections a lot of elaborated recommendation is provided and is meant to be of help primarily to the investigator, however can also be of general interest to those unfamiliar with the wants of handling exhibits and providing proof during a criminal enquiry

II. Problem Definition

To design and develop or a investigation of life crime has developed considerably in recent years with the setting of national life crime priorities and therefore the institution of the National life Crime Unit (NWCU), that operates across the globe.

III. Existing System

- In the present arena, wildlife and forest departments are facing the problem of movement of animals from forest area to residential area. The number of trees has reduced drastically from the forest that creates an unhealthy environment for animals to survive in the forest. This paper proposes a system we call GATA for tracking and alarming for the protection of Wildlife Animals. GATA combined Wireless Sensor Network (WSN) [1] and Global Positioning System (GPS) technologies to solve the above mentioned problem.
- Wild animals straying out of wildlife sanctuaries and natural parks have been tracked by auto generative
 location tracking and movement patterns. Automatic location and movement tracking has been implemented
 using GPS with the accelerometer and the WiFi shield. In the event of straying of a wild animal out of the
 predefined zone of sanctuary or natural reserve, an alert is sounded on a fixed base station (BS).
- As a prototype, we have tested this hardware on the cows, which shows that the proposed approach is very
 efficient in terms of flexibility and cost. This may be acting as a deterrent to various antisocial activities
 poaching, train delays, railway accidents and danger to man due to the straying out of the animals off their
 habitation zone.

Disadvantages of Existing system

- Lack of camera
- High delay
- Time consuming

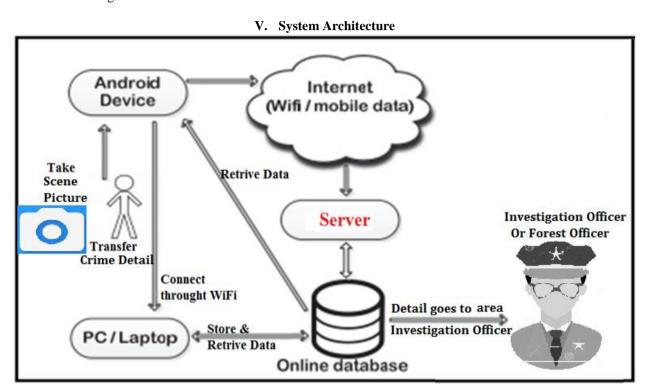
IV. Proposed System

This system dealing with the more standard types of forensic examination have deliberately been made not too
prescriptive. Standard procedures are already in place and advice in relation to the handling, preparation and
submission of samples is readily available from police Crime Scene Investigators (CSI), forensic science
managers and forensic science providers.

• System gives more detailed advice is provided and is intended to be of assistance primarily to the investigator, but may also be of general interest to those unfamiliar with the requirements of handling exhibits and providing evidence in a criminal enquiry.

Advantages of Proposed System

- The scope of the project is in different field like wildlife crime, save forest, control illegal activities.
- · Time saving.



VI. Motivation

The examination of digitally hold on records and data may be a rapidly developing area of forensic examination. There's a good vary of places wherever electronic info is also hold on, and which may hold vast quantities of data. the various locations wherever digital proof is also found might include:

Locally on a user device – generally a pc, mobile, sensible phone, camera, satellite navigation system, USB drives and moveable storage devices.

On an overseas resource that's accessible to the public, for instance websites used for social networking, discussion forums, and newsgroups.

On an overseas resource that's non-public, for instance web Service supplier's logs of user activities, mobile records, webmail accounts and remote file storage

VII.Goals and Objective

- To avoid wildlife crime related activities and reduce the crimes.
- To implement the system for simplifying the crime control process and to increase the security regarding wildlife
- To improve the quality of services provided by forest officers.
- To augment the animal value thus for allowing to save his life.

VII HARDWARE AND SOFTWARE REQUIREMENTS

HARDWARE REQUIREMENTS:

Processor (Intel Dual Core) : 2 GHz RAM : 2 GB Hard Disk : 500 GB Monitor : 15 VGA Color Mouse : Logitech Mobile device : Android

SOFTWARE REQUIREMENTS:

Operating System : Windows7 and above
Coding language : JAVA (JDK 1.8)
Database : MYSQL 5.1
IDE : Android Studio

---- Expon. (Without-HQR)

VIII. Application

- Crime scene investigation
- This system is used to reduce the crimes

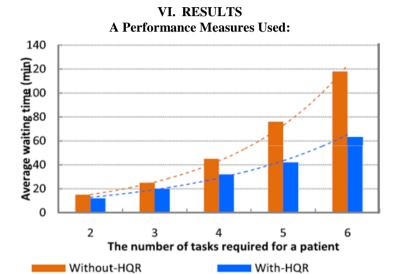
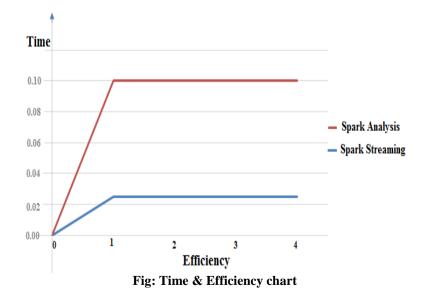


Fig. Average waiting time for application.

---- Expon. (With-HQR)



RESULT ANALYSIS:

Input:

Here, Whole System taken many more attribute for the input purpose but here author mainly focuses on the Time and performance of system. Based some few attributes we will getting following analytical result for our proposed system.

EXPECTED RESULT:

Parameter	Existing	Proposed
A	10	3
В	10	4
С	8	8
D	10	3
Е	8	2

Figs: Result Table

A = Computation Cost.

B = Time Consumption.

C = Scalable.

D = Waiting Time.

E = User Friendly.

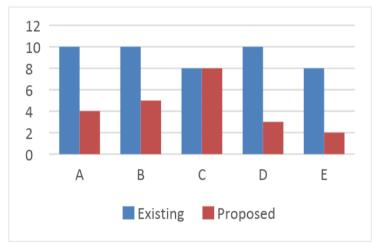


Fig: Time line chart of Result Analysis

VII. CONCLUSION

The proposed system will help for investigating the crime occurs on animals. This proposed system will help place, investigators to find out the crimes occur in their area or places so that polices and investigators will take an action on it as soon as possible.

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