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Application Based Real-Time Smart Digitization Of Police System

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ABSTRACT

In this digital world, the current police system has very few digitized features. With the increase in crime and corruption, bringing smartness in police workforce has become a necessity. Digitizing these systems will improve the efficiency of the systems .Digitizing can also give various advantages like reducing old file work, detailed description of crimes, ease of communication between common people and police, efficient access of criminal details, ease of police work etc. With this application the civilians can easily and immediately report a crime taking place or has taken place. With faster or earlier reporting of the crime, the police can also attend to the crime faster, thus making a city much safer. To modernize the legacy systems, Give the police system a better and an efficient interface for convenient working, Give the user ease of lodging complaints and an efficient crime reporting to the police. The current system is quite slow and takes a lot of time for different processes.

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I. INTRODUCTION

The purposed system is to develop an android application for crime area detection and store criminal records. The application targets general public and police officials for managing the incidents and crime without consuming much time.

This systems perspective is to implement a JAVA-android base Police System. This system will have Admin module, Surveyor module and a database managed by AES algorithm, Haversine algorithms. From this application we evaluate the problem of communication gap between the police during their investigation. Provide solution to bridge the communication gap between police and general user. Also, the criminal information will be readily accessible to the police officials as it is stored on the server.

Police department to work smartly and fast investigation. This possible by using technologies are data mining, java and android. To develop this application by using LBs and data mining concepts problem of store huge criminal record and manage it will be able to solve.

II. RELATED WORK

Now, in daily routines mobile and information technology are integral part of our life's. Digitization of police system using LBS and data mining application in android which is help to police department to work efficiently and flexibly. Overcome communication problem during verification, collecting and store evidences of crime from this application. User is able to report crime as early as possible using this application.

In previous years police used files to maintain all criminal records. A new area where mobile integrated with technology is useful for crime reporting. It provides a common platform between police and general public to share crime related information. Polices can be save information on server are :

Traffic related information.

Crime related information.

III. PROPOSED SYSTEM

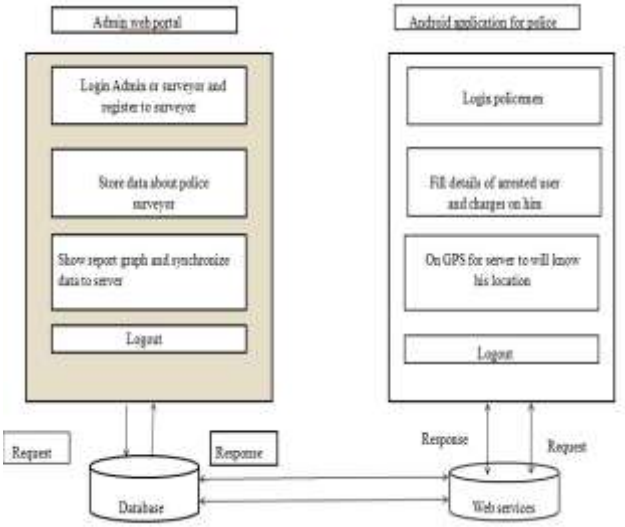

Fig 1. System architecture

IV. MATHEMATICAL MODEL

System Description:

POWER SET P= {S, P, In, On, Success, Failure}

S is set consisting of all surveyors or officers on ground.

S=si | i=[0-9]*

P is set consisting of all officers in head quarters.

P=pi | i=[0-9]*

In is set consisting of the inputs given to the program for information gain

I=in | n=[0-9]

On is set consisting of the outputs given as a final product

O=on | n=[0-9]

Success:

Effective Implementation of the project

Failure:

Error in Network/Input

V. RESULT ANALYSIS

We can generate report from particular date:

In following figure contain the one year details of crimes. it is admin panel the final report generated at admin side.

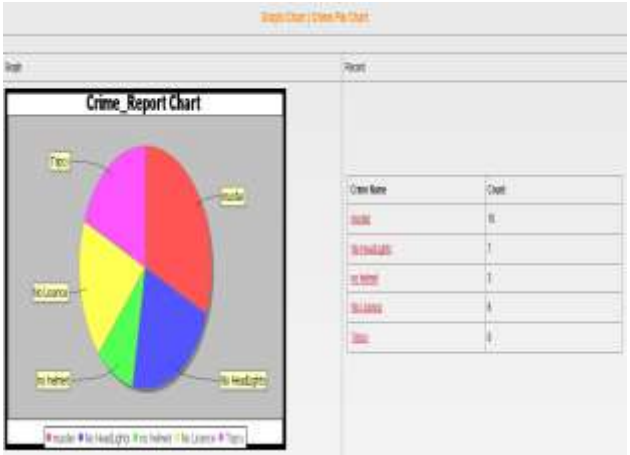

fig 2:-crime report chart

Another thing is we can see the daily or weekly collection and because of that very easy to analyse the total collection.

fig 3-daily collection

Last one each and every person profile is created and details is available of that person who breaks the rules .

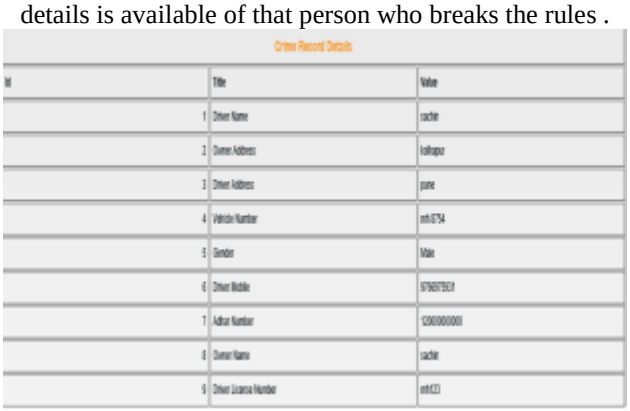

Fig 4-crime record

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VII. CONCLUSION

The proposed system is more efficient and beneficial. It is very useful for police department to manage all traffic police and also this application useful for allocate area wise police. we created this application for the police force to get the ground report about the citizens of a particular area. This application helps in the effective management of police force and gives a better life for the common man.

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