Criminal Report Management System

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Abstract – The criminals are increasing day to day. To maintain the records of the criminals under various branches of crimes this project is used.The proposed system applies to all Police stations across the country and specifically looks into the subject of Crime Records Management. It is understood that Crime Prevention, Detection and Conviction of criminals depend on a highly responsive backbone of Information Management. The effectiveness of the police with which it tackles crime depend on what quality of information it can derive from its existing records and how fast it access to it. We achieved this by using two components: front and back end. The system back-end gives information about communication and storage of the application. The front-end focuses on the development of the user interface. The interface allows users to create and ll crime reports resembling the existing paper based crime report in a secured way.. The interface allows two types of crime reports. The rst is "a full crime report" which is based on the digitisation of the existing paper based reporting system. The second report is "emergency report" will automatically compile relevant user data and allow the user to send a report quickly in adverse conditions. The focus of this paper is on the front-end.The main focus of the paper is to create records and display the criminal records to the witness or to the local person who is filing the case and the police can also see the details of the criminals as how many cases they have filed with and can also see their last hidden location and their number of times arrested.

1. INTRODUCTION

Security of homeland focuses on the protection of populations and essential infrastructure.In the United States, millions of crimes go unread . Many victims and witnesses are scared or embarrassed to report crime incidents. In some cases, police may record answers inaccurately or illegibly, or may fail to record them . In addition, report data such as collected by the FBI often contains missing, incomplete, or incorrect data.

Our system combines information extraction and principles of the cognitive interview and the records maintained . The cognitive interview is a psychological technique that helps people to remember more information about a particular incident. In order to leverage its principles, we encourage the natural language so that people do not need to fill out numerous reports. Such forms may be complex to understand leading fields left blank and incomplete information. By using natural language, people can report a crime more easily and thus more information can be collected about the incident. To enable such reporting, we need to extract crime-relevant information to ask questions and compile a final report. Our goal is to obtain as much information as possible. To this end, we developed a large lexicon that combined with rule-based

system which extracts crime-related entities also. Those extracted entities are the triggers for our system to ask questions according to the principles of the cognitive interview. To evaluate the information extraction component, we collected police and witness narratives from web-sites, blogs, and forums and other ways too. We test these by calculating precision and recall of information in comparison with a separately developed standard. The diversity of data sources shows the dependability of the records.

2. RELATED WORK

In the first paper of the survey A real time crime records management system for national security agencies the advantages are that Interstation communication in real time Centralized and data handling and Reduced time consumption Computerized record keeping with manwork and it is efficient in Cost reduction and Operational efficiency. the disadvantages are as follows Inadequate capital giving and Corruption and Lack of the inevitable skills and resources for statistical and information sources .A mobile device can be a security concern in reporting crime especially if the victim is in need of someone to to come to their rescue immediately.Time Spent on System Usage is minimum..litterature affirms that the use of mobile device to report crime ensures report is secure.
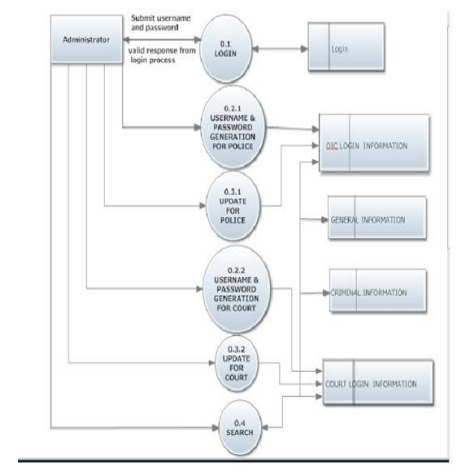
Reporting of an emergency crime by allowing users also to send a crime report .it is time and labor intensive. Detectives have to be trained in advance to use this technique and it takes a long time to conduct a thorough interview.The major difficulty is that users struggled with some of the fields of the report and requested explanations of what values they could enter in them.The largest difficulty was the location of the return button. Users often got confused when attempting to close the screen keyboard due to low visibility of the return key on the phone.Other difficulties included mistakenly closing the application
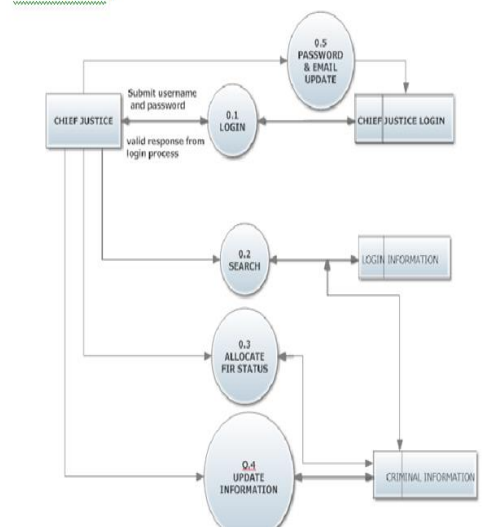
3. PROPOSED MODELLING

Our mission statement directs us to promote the public interest along with the ability to balance the Law. Obviously there won't be any rush to judgment, but will look at the facts and render a thoughtful decision based on those facts. Organization is an independent statutory body which was created to maintain an effective and efficient police service for the public and it is used very correctly. Its primary task includes continuous needs of the public in an efficient

manner. As part of the responsibility,committee is responsible for performance monitoring and effectiveness of the organization within the public. We need the whole hearted support of every individual member of the site and cooperation of the users. The administrator, along with the investigators, lawyers, counselors, and other authorities statutory partners are involved in the organization. Given their role in these partnerships, we felt that an overview of strength and weakness of the organization is needed. The aim of the project is to bring about improvement to the contribution of the organization; this report necessarily concentrates on overcoming weakness and raising standards. To avoid conducting and unfair evaluation efforts are made to put this contribution . It believes that partnership work is highly beneficial to the organization and partnership work is the way forward to reduce crime and disorder and other various activites.
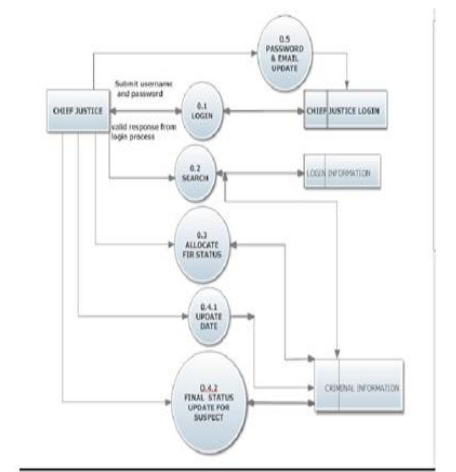
COURT LEVEL 2

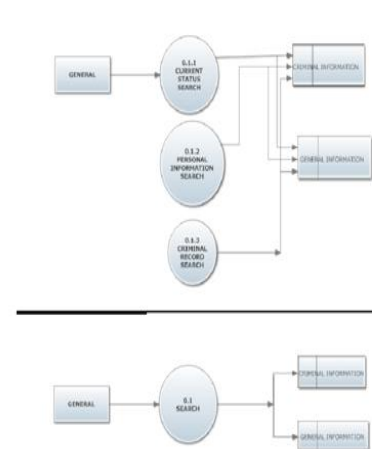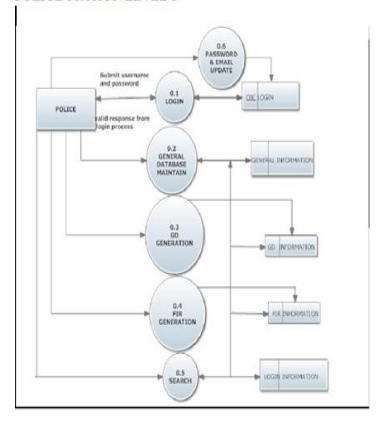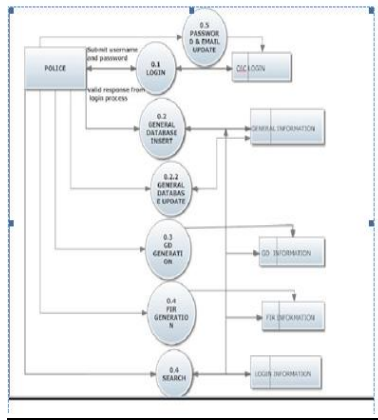ADMINISTRATOR LEVEL 2

GENERAL PEOPLE LEVEL 1 AND LEVEL 2

COURT LEVEL 1

POLICE STATION LEVEL 1

POLICE STATION LEVEL 2

4. CONCLUSION

We achieved high precision and many information when testing our modules with police and witness narratives. We plan to collect additional witness narratives using crime video system to further test our system and test the interaction components. Our main and future goal is to provide a reliable online crime reporting system in which people can use to report crime anonymously, that will encourage people to recall crime information, and will provide a summary and a graphical result for police investigators to solve crimes more quickly and efficiently.

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