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CO-CLUSTERING INFORMATION FOR SECURITY ANALYSIS

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Abstract---*The proposed system applies to all Police stations across the country and specifically looks into the subject of Crime Records Management. It is well understood that Crime Prevention, Detection and Conviction of criminals depend on a highly responsive backbone of Information Management. The efficiency of the police function and the effectiveness with which it tackle crime depend on what quality of information it can derive from its existing records and how fast it can have access to it.It is proposed to centralize Information Management in Crime for the purposes of fast and efficient sharing of critical information across all Police Stations across the territory. Initially, the system will be implemented across Cities and Towns and later on, be interlinked so that a Police detective can access information across all records in the state thus helping speedy and successful completion to cases. The System would also be used to generate information for pro-active and preventive measures for fighting crime.The project has been planned to be having the view of distributed architecture, with centralized storage of the database. The application for the storage of the data has been planned. Using the constructs of SQL server and all the user interfaces have been designed using the DOT Net technologies. The standards of security and data protective mechanism have been given a big choice for proper usage. The application takes care of different modules and their associated reports, which are produced as per the applicable strategies and standards that are put forwarded by the administrative staff.*

Keywords—interlinked,

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1,INTRODUCTION

Data mining, the extraction of hidden predictive information from large databases, is a powerful new technology with great potential to help companies focus on the most important information in their data warehouses. Data mining tools predict future trends and behaviors, allowing businesses to make proactive, knowledge-driven decisions. The automated, prospective analyses offered by data mining move beyond the analyses of past events provided by retrospective tools typical of decision support systems. Data mining tools can answer business questions that traditionally were time consuming to resolve. They scour databases for hidden patterns, finding predictive information that experts may miss because it lies outside their expectations.Most companies already collect and refine massive quantities of data. Data mining techniques can be implemented rapidly on existing software and hardware platforms to enhance the value of existing information resources, and can be integrated with new products and systems as they are brought on-line. When implemented on high performance client/server or parallel processing computers, data mining tools can analyze massive databases to deliver answers to questions such as, "Which clients are most likely to respond to my next promotional mailing, and why?"Examples of profitable applications illustrate its relevance to today's business environment as well as a basic description of how data warehouse architectures can evolve to deliver the value of data mining to end users.

2,**MODULES:**

2.1Authentication Modules

This module is determined to authenticate each of the module discrimination in which it analyze the details of the of the each of the module in which it is accessed to the similarities of the other entire module in the system.

2.1.1Login Module

The login module determined to access the system in each of the module in which it is accessed to check the details of the login details in which the system belong to the which module.

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2.1.2Registration Module

This module belong to the new users who have not yet signed to it in the system, and the user needs to access to signup in which he /she needs to enter the details of the user.

2.2Admin Modules

In admin module, the admin performs the following actions like Insert the details, Delete the details, Update the details, View the details of the criminals and all their personal and bank details.

2.3User Modules

This is module in which it access the details of the value in which it is accessed to the value in the system administration in which it is valid to each structure in the details and analyze the value in the system in each of the value in the system.

2.3.1.Track Module

This the module in which it is used to track the system in the administration in which by tracking can able to get the details of the person who is being talking to the other person in the system thus by tracking can able to get the details of the from person to-person.

2.3.2Add Criminal Module

It is used to add the details of the criminals in which it is able add the new criminals in the system, and thus the newly criminals can able to noticed by both the user and the admin.

2.4Report Modules

In the report module, it contains the details of the system in which it is used to analyze the details of the structure and thus can contain the details in the system and thus contains the records of all the criminals in the system.

3, SYSTEM ANALYSIS

3.1 Existing System

- It contains the crime details of a particular station or a place.
- More Paperwork is used in order to maintain a crime records.
- It exists only in windows form so that it cannot be remotely accessed
- The crime record does not have secured access where anyone can access with simple username and password.

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- Paper work may get lost.
- Server times take more than usual times to load.
- Users can also edit and add criminal records which may exist in duplication of records.

4, PROPOSED SYSTEM

- It can be accessed only by the specified user who has authorized username and password.
- It contains validation for users, thus an unknown user cannot easily access it.
- It is used to add some of the details of criminal along with their photograph.
- The added details of the criminal can be tracked with their saved phone numbers or with their bank account or also with their passport number if they travel to any area.
- In order to avoid duplication user can only be available to view and user cannot edit or add any data's.

5. IMPLEMENTATION

5.2.1. TRACK RECORDS OF CRIMINAL:

We have used in this project about how to track records of the criminals by the user part where admin plays a major role of inserting each and every details of a criminal into the database. Mainly a criminal can be captured by entering his passport number or adhar card number or by his phone number.

6.SYSTEM ARCHITECTURE

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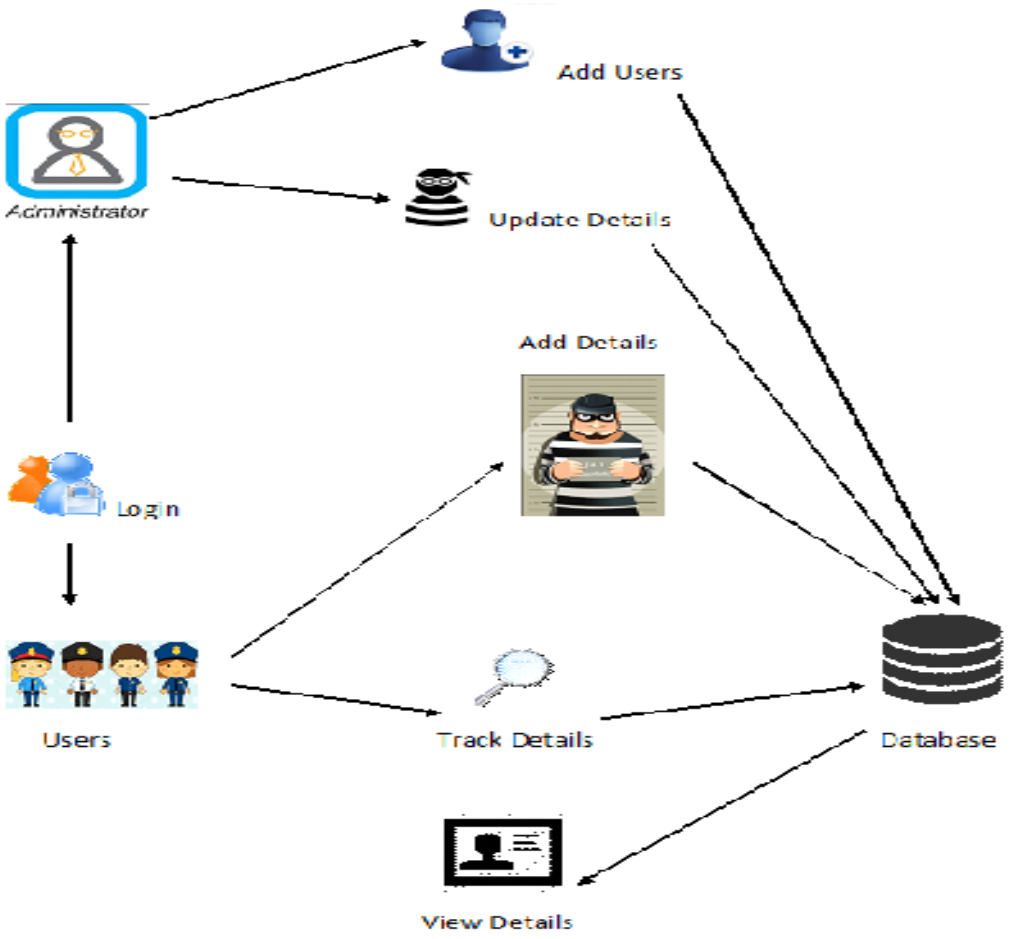

7.CONCLUSION AND FUTURE WORK

The **Crime Records Managing System** is a web-based application for primarily providing training to the employees who provide customized solutions to meet organizational needs.

This application software has been computed successfully and was also tested successfully by taking “test cases”. It is user friendly, and has required options, which can be utilized by the user to perform the desired operations.

The software is developed using .Net as front end and SQL as back end in Windows environment. The goals that are achieved by the software are:

- ✓ Instant access.
- ✓ Improved productivity.
- ✓ Optimum utilization of resources.
- ✓ Efficient management of records.
- ✓ Simplification of the operations.

- ✓ Less processing time and getting required information.
- ✓ User friendly.

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