

Computerized Crime Tracking System

Rashmi K T¹, Amrutha K B², Manu Prakash³

Assistant Professor, Department of Computer Science & Engineering, SKIT, Bangalore, India¹

U.G. Student, Department of Computer Science & Engineering, SKIT, Bangalore, India²

U.G. Student, Department of Computer Science & Engineering, SKIT, Bangalore, India³

ABSTRACT: Country wide security has been a wellspring of worry to one and all in world. To have the capacity to strengthen Protection and Justice, also to guarantee the security of natives, it is important to build up at all levels a solid and userwell disposed framework which will permit a proficient trade of data on past of hoodlums. Data about past feelings should amongst judges and prosecutors and in addition experts. This is fundamental so as to give reactions to keep new from being submitted

KEYWORDS: CRIME, CRIMINAL, CRIMINAL RECORD, INFORMATION, POLICE, RECORD, SUSPECT

I. INTRODUCTION

The challenges to countrywide safety in Nigeria are large. there may be the difficulty of non secular crisis in a few states of the northern a part of Nigeria, ritual killings and kidnappings in a few states of the South east and south south, sectarian clashes in some states of the south west, bombings in Abuja and some states of the federation.

The police within the Nigerian nation is an organization set up by using the authorities and saddled with the obligation of maintaining law and order within the society, and are also chargeable for preventing and fixing crimes. The aforementioned problems represent a danger to country wide safety, and if not curtailed, it'd amplify to a greater share that might plunge the u . s . a . into confusion. A system of imparting the Nigerian Police with statistics regarding criminals and the various sports that they had carried out within the (recent) beyond, will pass along way in helping to checkmate crimes and criminals; and this will additionally assist in identifying new cases of crimes and criminals inside a given locality. A

criminal statistics information gadget (CRIS) will assist the police with useful information so that it will help in controlling (apprehend, prosecute, and sanction) criminals. The machine will provide infor-mation on criminals including:

- Names and Aliases used
- kind of Crimes done
- Mode of operation
- jail terms served
- Date of remaining crime
- intellectual reputation, etc.

II. REVIEW OF LITERATURE

Inside the decade, a ton of research work had as of late been completed and numerous PC programs have been composed keeping in mind the end goal to help the experts with data on hoodlums and violations. the data is normally about when a man is indicted, when the individual was condemned or fined, and when the individual was discharged. In g association with zones, it expects to propel subject prosperity and patient reparation.

Upon September 18, 2008, the European Union (EU) Info Protection Supervisor (EUDPS) took after a view| that certifies on the EU Council's recommendation to set up an electronic ECRIS. ECRIS would be a true blue record database open to Member States, including locals' criminal sentiments. Also to these parts, diverse issues are tended to by the ECRIS recommendation embraced by the EUDPS. Above all else, an operational manual will set {the guidelines| for the exchange information, including how the liable gatherings will be perceived, notwithstanding biometric information. Second, collection of record data will be required to look at the viability of the machine program

additionally to watch over consistence with data security laws. This authentic data fuses information, for instance, number of sales for get to, length of the requesting, invigorating method, nature of individuals approaching the databases, and security cracks cases. 1/3, "coordination of supervision of data getting ready" is required. Data security specialists must have open fitting frameworks to organize data collection. The last point settled by ECRIS recognizes the use of NIGERIA PC SOCIETY (NCS): 10TH WORLD CONFERENCE - JULY 25-29, 2011 Country wide Crime Information Center (NCIC) of Criminal Justice Info Services (CJIS) Division, arranged at Clarksburg, West Va USA, is an advanced rundown of criminal appropriate rights information (I. e. lawful history information, escapees, taken properties and missing individuals). It is open to Federal, state, and close-by

Purpose:The idea for keeping up the NCIC framework is to give a mechanized database to prepared access with a criminal equity office making a request and also for speedy revelation of data in the machine from other legitimate equity organizations about offenses and lawbreakers. This sort of data helps approved organizations in criminal equity and related law requirement objectives, for example, catching outlaws, finding missing people, finding and returning stolen property, alongside the assurance of enactment implementation officers encountering the people portrayed in the gadget..

Access Constraints: All records in NCIC are shielded from unapproved access through fitting managerial, physical, and specialized protections. These kinds of protections incorporate limiting section to those with a need to know to do their official obligations, and utilizing locks, caution gadgets, security passwords, and additionally encoding information promoting correspondences.

Make utilization of Constraints: Users of the NCIC framework will be limited to just those benefits important to play out an approved task(s).Company Program:Organization Program: The FBI is approved to get, assemble, group and save acknowledgment, criminal distinguishing proof, wrongdoing, and different records additionally to trade such data with guaranteed elements. -

Sources of Info: Data contained in NCIC is given by the FBI, government, state, neighborhood and remote criminal legitimate rights organizations, and approved tennis courts. 2. 1 Categories of individuals covered by the device:

- A. Wanted Persons
 - B. Individuals who have recently been charged with serious and significant offenses:
 - C. Lacking Persons
 - D. Individuals specified by the U. H i9000. Secret Service as appearing a potential danger to the President and/or other authorized protected.
 - E. Users of Violent Criminal Clique
 - F. Members of Terrorist Organizations
 - G. Unidentified Individuals
2. 2 Types of information in the system
- A. Stolen Vehicle File
 - B. Stolen License Plate Document.
 - C. Stolen Boat Document.
 - D. Stolen Gun Document.
 - E. Stolen Article Document.
 - F. Securities File
 - G. Wanted Person File

They would Foreign Fugitive File: Identification data regarding people who are fugitives from international countries.

Uses: Data in NCIC records is changed with and for the official utilization of ensured authorities of the Federal Government, the States, towns, correctional and different associations, and certain remote government specialists. The information is changed through NCIC lines to Federal criminal equity companies, criminal equity offices in the 50 States, the District of Columbia, Rico, U. S. Having a place and U. S. Zones. What's more, information incorporated into the different "need documents, " I. electronic., the stolen vehicle report, stolen tag record, stolen firearm document, taken article document, needed individual record, securities record, speedboat document, and missing individual information might be used by the Royal Canadian Mounted Police

III. MATERIALS/METHODS

No reference to names were made of criminals either dead or stay in the discussions, other than the utilization references such as a certain Mr. Times, or a certain Mister. Y, to describe those activities and mode of functions of some criminals which may have records. Also no photos or finger prints were proven to me, but the manual mode of capturing the finger markings on paper was explained in my experience. Therefore, provisions were made in designing the CRIS for capturing photos and finger prints in the records of the criminals.

METHODOLOGY

The methodology used is the Structured System and Style Methodology, since it is an acceptable software executive principle for that design of software. A feasibility study of the hands-on way of accessing criminals' record was taken. Analysis was made to find out areas of weaknesses and the goals of the proposed system and its design was implemented. The manual method consisted of:

1. Asking the criminal if he/she experienced ever committed a criminal offense before
2. If you do, he/she is asked by the authorities, about the law enforcement he/she was taken to
3. The criminal is then asked if he was prosecuted in courtroom or was released on bail at the law enforcement station
4. If the criminal was at one time booked in the same police station, then a search is made for the file, in any other case a new case is opened for the legal

OBJECTIVES

The main objective of CRIS is to assist the Nigeria police in their better solve crimes with timely and useful information about criminals and/or their mode of functions to be able to nib in the bud criminal activities in the locality.

IV. SYSTEM DESIGN

The gadget is a Database Management Program (DBMS) that will contain accessible records of terrible folks, and a system which contains some inquiry to the database to be capable to get to some particular records. It is basic to state, just the framework chairman has the privilege to change (include, alter) records. He ought to likewise get an abnormal state freedom before he can alter any record.

A DBMS is a technique programming pack-age that helps the usage of coordinated accumulation of information records and documents known as registries. It permits distinctive purchaser application projects to effectively get to the same {data source (wikipedia)}.

Inquiries allow the client to depict wanted information, leaving the DBMS in charge of arranging, improving, and playing out the physical capacities basic to create that impact as it picks.

1. A question includes an arrangement of sections to be incorporated into the last impact quickly following the CHOOSE watchword. A mark ("*") can be utilized to stipulate in Structured Problem Language (SQL), with alternatively accessible watchwords and provisos that include:
2. The FROM offer which demonstrates the table(s) from which information will be recovered. The FROM offer can incorporate discretionary {BE A PART OF} sub-conditions to indicate the guidelines for joining feasting tables.
3. The {EXACTLY WHERE|WHEREVER|IN WHICH} proviso incorporates an equivalence predicate, which confines the columns conveyed by the inquiry. The WHERE expressions dispenses with all columns from the impact put for which the assessment predicate won't {examine} to Accurate
4. The GROUP BY offer is utilized to extend arrangement having regular esteems into a littler arrangement of columns. Gathering BY is every now and again used in conjunction with SQL accumulation works or to wipe out copy arrangement from an outcome organized. The WHERE proviso is connected before the GROUP {BY SIMPLY} statement.
5. The HAVING offer has a predicate used to isolate out columns coming about because of the GROUP BY terms {Mainly because} {it chips away at the outcomes from the group BY provision, conglomeration capacities can be utilized as a part of the HAVING statement predicate.

Organized by

Departments of Computer Science & Information Science Engineering, Sri Krishna Institute of Technology, Bangalore, India

6. The ORDER BY offer distinguishes which sections {are being used} to sort the resulting information, {in expansion to} which way they should be {fixed} (choices are rising or diving). Without a {BUY} BY provision, the request of columns returned by a SQL question is vague. (wikipedia)

V. OPERATING SYSTEM AND PROGRAMMING PLATFORM

Windows vista Microsoft SQL Server and VB. NET programming dialects were| used to equipment the database and the application form package respectively. or spots, and can store significantly more information in smaller areas than linear barcodes", all of these is specified in Figure 1 above [6].

IMPLEMENTATION

This kind of refers to the growth deployment (installation and testing) of all the system components. This requires the alteration of plans such as algorithms, flowcharts, computer run chart, programming vocabulary used, etc. into real process flow of information. The device| operates as comes after

1. A welcome screen
2. Login screen (used to enter username and password)
3. Select an option
 - (a) Criminals in a locality (location has to be specified)
 - (b) Crime Type (e.g. burglary, car snatching, rape, etc.)
 - (c) Criminal's Record Search (suspect's Identification number must be specified)
 - (d) Criminal's Search by description (gender, height, eye color, skin color, etc.)
4. Click OK after the selection
5. The search procedure executes and display the results found.
6. The police can now use the information as is applicable.



Fig 1. Welcome Screen

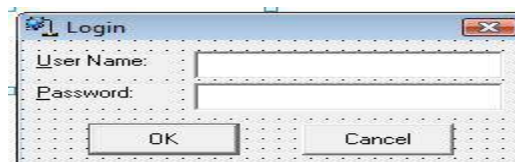


Fig 2. Login Screen

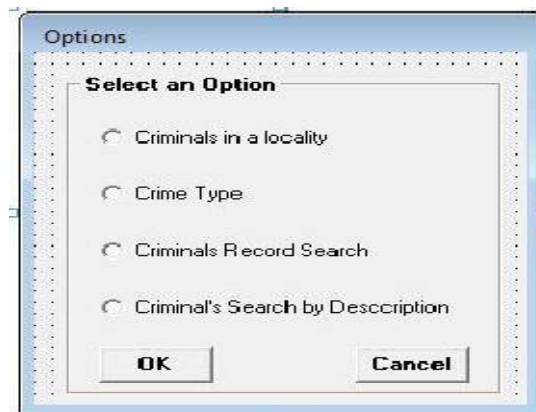


Fig 3. Options Dialog

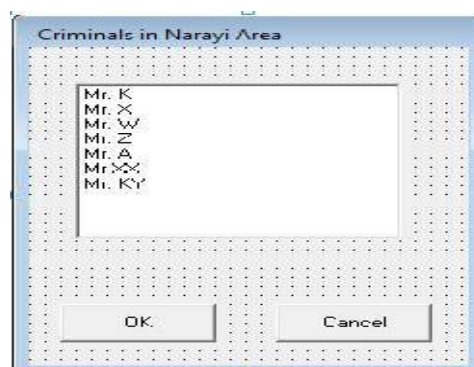


Fig 4. List of Criminals in an area

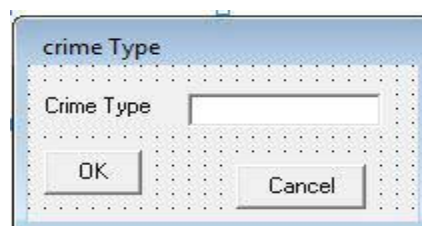


Fig 5. Crime Type



Fig 6. Criminal's Record Search



Fig 7. Criminal Search by Description



Fig 8. Criminals mode of operation



Fig 9. Information Form about a Criminal

VI. DISCUSSION, CONCLUSION AND RECOMMENDATIONS

Discussion

A database and an inquiry installed in a methodology in VB. TOTAL was utilized to construct up to CRIS that will help in issues applicable to handling National Security Difficulties. The outcomes acquired from CRIS contrasts

positively and successfully and looks for legal records completed by human underneath alike state. From the example result appeared, this framework can be {employed by} the Nigeria Police to deal with issues of examination and criminal offense control. A decision can be landed at in great time if these points of interest is promptly accessible.

Conclusion

The computerized framework that has been produced will assist in the keeping of information of hoodlums for future references. In the event that embraced, it will be extreme for hoodlums to maintain a strategic distance from the issues. What's more, it will be simpler for the experts to catch and discover culprits. This framework if facilitated on the web and connected to PDA's (Personal Digital Assistants) or cell phones of the Nigeria Police individual advertisements, it will help in tending to the difficulties confronting our National Security as a country.

Recommendations

The legislature ought to embrace the framework and execute it for the various government security offices in Nigeria (I. e. Army, Para-Military, and the Judiciary). This will help in combatting offense in Nigeria.

Where vital, the administration should necessity the Nigeria Police to issue every now and then alarms and alerts {about the} developments or {occurrence} of some infamous crooks in the general public.

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