Online Crime Reports & Records Maintenance System

Abstract

The Crime Report envisages information sharing within the organization and across the States in the country especially the information on Crime & Criminals for effective working of Police. For integration at National level, the following Seven Integrated Police Forms standardized by National Crime Records Bureau have been adopted as the basis for Crime Report Crime Module development. These integrated forms cover most of the information needed by Criminal Justice System. And the database records the following information:-

1. FIR (First Information Register) (act, section, occurrence, complaint, accused property detail, brief complaint)

2. Crime Detail Form (type of crime, features, physical evidence, patch witness, place of crime)

3. Property Search & Seizure

4. Arrest/Court Surrender (arrest details, bail details, personal items recovered)

5. Charge Sheet & Case Disposal Reports (charge sheet information, property recovered/ seized, and action taken)

6. Court Disposal (adult, juvenile, punishment)

7. Result of Appeals

8. Other registers (interrogation details, case diary, witness details, remand diary, case calendar etc.)

Effective coordination among different departments / entities in criminal justice system i.e. Forensic Science Laboratories and Prosecution Department is being ensured by interfacing for access and transfer of information between departments – thus making it easier to collect inputs needed for proper and quicker investigation of a case. Crime Report is being integrated with the fully computerized Fingerprint Analysis Criminal Tracing System (FACTS). This also makes obligatory for these Departments to respond promptly improving their accountability.

The solution framework has been tested in the 4 Pilot locations. The feedback from the Pilot locations has been analyzed and the new versions and release plan of the solution framework is in place based on the feedback. The proof of concept in terms of functionality and with respect to technology has been done and now the solution can be replicated in all the locations within the State.

As Application Software is an evolving process it is highly difficult to envisage and crystalize the functional requirements in one phase. Continuous improvement based on the environmental changes and functional, cross functional requirements, inter-functional requirements is under progress to attain enhanced usability. After using Crime Report (version 1.0 and version 1.1), the Field Officers have suggested refinements and additional requirements in Crime Report. This feedback was examined on the feasibility and end use and M/s CMC were advised to incorporate these suggestions and refinements. Accordingly, CMC duly incorporating these features released Crime Report (version 2.0) and loaded in all the Systems in Hyderabad City successfully.

About The Project:

Current System:

In the manual System, registration of FIR was not done 100% accurately for various reasons. Certain mandatory information needed was also not collected either the complainant furnished vague information or much thought was not given to the importance of the information which would have helped later in speeding up the investigation process.

In the manual system the part of the force was engaged for carrying out unproductive jobs such as delivering FIRs to higher officials, collecting Postmortem reports, wound certificates etc. They were also utilized for entering, filling individual registers, preparing periodical reports etc. Work force is now used for the purpose for which they were trained (Policing) and not on unproductive tasks.

Solution:

Not only the above mentioned problems, there are many other such problems which decreases the efficiency of the department to provide right justice to the common people. The solution for this problem is to create the crime reports by sharing the information within the organization and across the States in the country especially the information on Crime & Criminals which help in effective working of Police.

This project is all about Criminal Justice System which envisages information sharing within the organization and across the States in the country especially the information on Crime & Criminals for effective working of Police. For integration at National level, the following Seven Integrated Police Forms standardized by National Crime Records Bureau have been adopted as the basis for Criminal Justice System Crime Module development. These integrated forms cover most of the information needed by Criminal Justice System, and the database records the following information:-

Proposed System:

It is the Citizen who is benefited a lot through Crime Report. In the manual System, registration of FIR was not done 100% accurately for various reasons. Certain mandatory information needed was also not collected either the complainant furnished vague information or much thought was not given to the importance of the information which would have helped later in speeding up the investigation process. The System’s insistence for certain mandatory information at the time of registration of complaint automatically improved the responsiveness of the Police and in turn is building up sensitivity. Once a complaint is registered, it is electronically transferred to the higher authorities. Consequently, the scopes for delinquencies such as non-acceptance of a complaint, loss of track of case, etc are totally eliminated.

The transparency in the system helps in enhancing public interface and confidence. It is assisting in expediting the progress of investigating process culminating in dispensing timely justice and ultimately bringing the criminal activity under control.

Crime – analysis guides the Investigating Officer on the right track. Data available and analyzed information from the system enables a new comer to get vast information with least delay and allows him to plan and settle down in his work at the earliest.

The present system insists for systematic collection of data without missing the important details. Documents are seen by supervisory officials. The senior officers are in a position to keep track of all the cases registered, including those transferred.

The Police personnel are not keen in using third degree methods to extract information from the accused. As the system is in a position to give the details of arrests made at various Police Stations, which helps the investigating Officer to elicit the information from the accused without resorting to human right violations thus making the life of Police Officer more content.

In the manual system, when property is recovered by some other Police Station other than the PS where the crime is registered, it was a tedious task to match the PS with the lost property and the PS which recovered the property. Today Criminal Justice System can match the lost and recovered property and there by pin point the real efficiency / productivity of the individual officer / Unit Productivity of men is established with correct supporting data making it a reality to evaluate the performance and productivity of Officials on scientific lines. This is now being realized through Crime Report.

Before computerization, the part of the force was engaged for carrying out unproductive jobs such as delivering FIRs to higher officials, collecting Postmortem reports, wound certificates etc.

They were also utilized for entering, filling individual registers, preparing periodical reports etc. Work force is now used for the purpose for which they were trained (Policing) and not on unproductive tasks.

When a Grave Crime is registered by the Police station, System immediately transfers the Grave Crime details to the Server at Unit Headquarters which in turn by reverse dialing process alerts the concerned Officers up the line of Police Station thus improving the sensitivity of the System manifold. Criminal Justice System has progressed steadily and its usage has stabilized in the 4 Pilot Units viz. Hyderabad, Vijayawada, Visakhapatnam Cities and Srikakulam District and two other units Cyber Abad& Rangareddy.

Software Specification:

Opera ting system : Windows xpservice pack II

Front End Software : .NET

Back End Software : MS SQLSERVER2005

Hardware Specification:

Processor : Intel Pentium III or more

Ram : 256 MB or more

Cache : 512 KB

Hard disk : 16 GB hard disk recommended