

Management Information System for Crime Department of the Police

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Traditionally crime department of the police has been storing, processing and retrieving data manually using conventional file management system. Currently, various types of books and files are used to keep the records such as complaints, crimes, offenders, staff details, etc. Data redundancy, inefficient data retrieving and high resource consuming are identified as major drawbacks of the current system. The proposed system solves these issues by proper management information system with the basic functionalities of the existing system.

The main aim of this project is to develop a web based, Management Information System with report generating and data analyzing. The system does not require advanced hardware or software. It consists of an administrator and users. The basic facilities provided by the system are as follows.

1. The system facilitates complaint data entry and retrieves the status in the form of reports
2. Emailing reports to higher authorities
3. User profile maintenance
4. Data mining facility-using data plot graphs

Object oriented analysis techniques were used to analyze and model the system while Java and JSP servlet technology were used to develop the system. Hibernate technology was used with MySQL database for database development.

The system will add value to the daily functions carried out by the Crime Investigation branch of each police station by enabling the smooth information flow. The system has been currently developed considering one sample branch, by introducing this system to all the police stations of the country. It will be helpful to tack crime spread patterns in the country and effectively facilitate timely action. The System can be further developed through the following paths

1. Prediction of Future Crime Trends
2. Improved System Security with Cryptography

Key words: Data redundancy, Report generation, Data analyzing, Object Oriented Analysis techniques