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| **PROJECT PROPOSAL** | **POJECT GROUP NO:** |
| **DEPARTMENT:**CSE | **ACADEMIC YEAR:**2017 |

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| **A.PROPOSED TITLE OF THE PROJECT** |
| **CRIMINAL RECORD MANAGEMENT SYSTEM.** |

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| **B.INTRODUCTION** |
| Criminal file system is a system used to report crimes. This project is mainly useful for police departments. This system will help to manage all the activities in a police department using computers. Currently all the works are done manually, by computerizing all the activities inside a police department can be managed easily and effectively.  There is no system of data storage, data sharing and accessing data. There is no system under which one police department can talk directly. There is record of crimes or criminals that can be accessed by department house officer, except a manual records relating to that police department.  The major components are Web based Criminal Reporting System , searching anyone with various other attributes and online generation of GD and FIR reports.  The goals of the system are to facilitate collection, storage, retrieval, analysis, transfer and sharing of data and information at the police department and between the police department and the State Headquarters and the Central Police Organization.  Criminal record management is an online web application with database system in which police will keep the record of criminals who have been arrested, to be arrested or escaped. This will help the police department to manage their records easily. In police system when an incident occurs petitioner reports an FIR (First Information Report). Police starts investigation according to law on this FIR. An investigation officer supervises the investigation process. The main concerning people in the whole process are petitioner (the person who files FIR), victim , accused/criminal, investigation officer. |

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| **C.LITERATURE REVIEW** |
| * Recent development in work area:   In present manual system there are 3 types of terms.  The 1st one is GD(general diary)-It is taken for storing preliminary information about any crime.  The 2nd one is FIR(first information report)-It is launched when murder, rape like crime is happened.  The 3rd one is charge-sheet-The final charge sheet is produced after investigation and submitted in court.  But in our system we proposed to take GD for any kind of preliminary criminal activities. And FIR will be launched after investigation and it will directly submit to court to complete the rest of the process. The server can be any Web Server. An SMTP Server must be maintained for temporary storage of emails; the application produced by this project exceeded expectations and would be suitable to be used in industry.   * Background theory:   The project is aimed to develop a crime file for maintaining a computerized records of all the FIR against crime. The system is desktop application that can be access throughout the police department. This system can be used as an application for the crime file of the police department to manage all such activities like registration of complaint, updating information, search for particular reports of crimes etc that will save time, man power. This system provides better prospective for enhancement of organization regarding to quality and transparency.   * Special feature of our project: * A mailing system is introduced to notify the activities of the user. This mailing system works like a notification. * The users can see their login times, used browsers and the respective machine IP address for security purpose, i.e, IP address tracing is possible, browser info can be stored in database and login time can be stored in database for security purpose. * The changes of respective in charge of any police station can be made online by the administrator. * A filter based advance search is introduced for users. * Reported GD can be downloaded as customized document format. * Password changing duration can be seen in the system in refreshing time. * An encoded mailing system is introduced to authenticate police station. |

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| **D.OBJECTIVES** |
| The objectives of the system can broadly be listed as follows:   * Make the police functioning citizen friendly and more transparent by automating the functioning of the police department. * Improve delivery of citizen-centric services through effective usage of ICT. Provide the investigating officers of the civil police with tools, technology and information to facilitate investigation of crime and detection of criminals. * Provide the investigating officers of the civil police with tools, technology and information to facilitate investigation of crime and detection of criminals. * Improve police functioning in various other areas such as traffic management. * Facilitate interaction and sharing of information among police department. * Assist senior or police officers in better management of police force. * Keep track of the progress of cases including in courts. * Reduce manual and redundant record keeping. |

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| **E.REQUIREMENT DETAILS** | |
| 1.HARDWARE | Dual core processor or above  512 MB RAM or above  100 GB hard disk or above  Physical devices like keyboard, mouse. |
| 2.SOFTWARE | OS: Windows XP or above  HTML,JSP-front end  MY SQL-back end  Browser-Google chrome |
| 3.SKILL SETS | Java programming languages  HTML tags  MYSQL queries  Knowledge about JDBC |

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| **F.FIGURE** |
| SCHEMA DIAGRAM. |

Admin\_login

|  |  |
| --- | --- |
| usrname | **pswd** |

FIR

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **FirNo** | **Compltno** | addrss | Rcv\_time | FirDate | **PassportNo** |

Postmortem

|  |  |  |  |
| --- | --- | --- | --- |
| **PostmorNo** | **FirNo** | DocNam | sex |

Complaint\_reg

|  |  |  |  |
| --- | --- | --- | --- |
| **CompltNo** | cdate | nationality | name |

Charge\_sheet

|  |  |  |  |
| --- | --- | --- | --- |
| **chrgshtNo** | **FirNo\_polnam** | witnam | accusnam |

Prisoner\_reg

|  |  |  |  |
| --- | --- | --- | --- |
| **prisonerNo** | **chrgshtNo** | crimeType | IdentMark |

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| E-R DIAGRAM.  behindbars  admnlogin  Prisoner\_reg  Charge\_sheet  crimeProveded  register  Complaint\_reg  Post\_mortem  Prisoner\_dies  dd  dies  FIR  Admin\_Login |

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| **G.METHODOLOGY** |
| * Uniqueness of the methodology that will be adopted.   The proposed system includes following features:   * Login for user and admin, Complaint registration, View complaint status, Criminal register management system, FIR management, Case history detail management, Managing postmortem details, Prisoners register management, Managing list about most wanted criminals. * The system requests administrator to enter his or her name, password. * The system validates the entered name and password and logs the actor into the system. * The administrator maintains various records of FIR, crimes and related objects. * If the actor enters an invalid name or password , the system displays an error message. * The actor can return to the beginning of the basic flow. * Methodology:   The main operations are: viewing, addition (by administrator only), updation (by administrator only), deletion (by administrator only).  The product functions includes:   * Accepting crime information correctly and storing correct records in database. * Displaying correct information on selecting view option and current status of FIR of the all crimes. * Accepting the updated information from user and administrator. * Storing the updated record in database to make it consistent. * Deletion privilege to administrator only.   Functional requirements:   1. Register for criminal or prisoner.  * Input : criminals personal details via- criminal No, criminal name, age, occupation, crime type, address, most wanted. * Prisoner details: Prisoner No, charge sheet no, nickname, crime type, family member, identity mark, height, weight, color. * Processing: validation checks are performed on input data by the user/admin like mandatory fields should not be kept blank, prisoner family member should be check, all the entries in database should be correct.  1. FIR management.  * Input : FirNO, ComplaintNO, FirDate, FirTime, PlaceOfCrime, ActOfCrime, DistrictOfFir, AddressOfVictim, PassportNo, NmaeOfPoliceReceivedTime, InformationReceived. * Processing: After inputting data validation checks on various fields is performed. On submission of the information the record is searched in the stored database on basis of the information submitted. * Output: If the information submitted by the user is valid and found in the database then the corresponding record is displayed.  1. Add or updation of the user:  * Input: username, password * Processing: After entering the required information the various validation checks are performed on submission of the information. The updation are made to the database. Administrator must enter the correct username and password. * Output: The updated information is reflected in the stored database.  1. Viewing  * Input: None * Processing: On clicking the view button, the system search for the specified database stored. * Output: If the specified database is stored then the whole database is displayed in the tabular form. The data displayed is the updated and current information of the user personal and academic details. It also displays the status of the prisoner and criminals.   Non-Functional requirements:   * Secure access of confidential data (user’s details). SSL can be used. * 24X7 availability. * Better component design to get better performance at peak time. * Flexible service based architecture will be highly desirable for future extension. |

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| **H.EXPECTED OUTCOME OF THE PROJECT** |
| **Criminal Record Management System** initiates the objective ofproviding the user with customized and powerful complaint registration and process management system side software. The software is built with all options such as complaint registration, prisoner’s registration and postmortem report generation etc. All the requirements specified during the analysis and design phase are fully met, thus resulting in the formation of good software. The interface provided is very user friendly and flexible for all times. |

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| **I.REFERENCES** |
| * + <http://www.JSP.net/>   + <http://www.tutorialspoint.com/mysql/>   + <http://www.javatpoint.com/java-tutorial/> * <http://www.jdbc-tutorial.com/>   + <https://www.tutorialspoint.com/java/>   + <http://www.tutorialspoint.com/jsp/> |

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| **J.PROJECT BATCH MEMBERS** | | | |
| **S.No.** | **USN** | **NAME** | **SIGNATURE WITH DATE** |
| **1** | **4MW15CS062** | **Pavithra** |  |
| **2** | **4MW15CS065** | **Pragathi M K** |  |

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| **K.ACCEPTED/REJECTED** |