PRISON FILE MONITORING SYSTEM

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Abstract: Prison Management system is an application to automate the process for maintaining and tracking the day to day activities of any prison. This software is an Internet (Intranet) based online portal, which allows users to access the application from all over the world. The Portal's major responsibility is to take care of the proper maintenance of any prison. This application maintains the centralized database so that any changes done by any one at any location reflects on fly. This is an online application that allows multi-user access of system and to track or manage the data simultaneously. The aim of this application is to reduce the manual effort needed to manage transactions and historical data used by jail admin team. Also this application provides an interface to police officials and other important government officials to view the details of prisoners, case details and to generate required reports. This helps to prevent unnecessary delays and human errors.

Keywords: Prison, Tracking Activities, Intranet, Multi-User Access.

I.   INTRODUCTION

The objective of the project is to design and develop prison management system for prisoners in order to handle the prisoners and visitors records. The scope of the software is to develop the management information system which will provide automated prison management system (APS) of all inmates housed in jail. The authorized person is jailor who updates the records of prisoners and visitors. A visitors can retrieve the application online and has right to access only his account. A common man can also use this site for viewing the prison details. Prison management system provides the solution to update and preserve the complete record of inmates, enhance security, and further improve the management and planning of jails. This system aims to digitized the MIS modulus, which include prisoners nominal roll where the details of the prisoners and his/her demographic details will be captured, can register, interview request and an automated release dairy generator which displays the list of prisoners to be released on any given duration of time it efficiency manage jails affairs. PMS-prison management system is a secure system to modernize inmate record maintenance which facilitates electronic processing and the management of such activity to provide higher level on compliance and faster service with lower cost and higher efficiency. PMS aims at fair and transparent implementation and management of inmate attribute data. The PMS also maintains parole register which tracks all prisoners on parole and provides necessary reports on this data. An IN-Out register will track all prisoners and include provisions for recording the prisoners sent to courts for hearing.

The visitors and jailors can log in and the jailer can generate various status reports as well as demographical analysis reports.

II.   ELATED WORK

A. *Existing* System

The Manual record entry is very slow and often tedious. Human errors are always possible in entering the data. It takes lot of time to verify where the data is entered incorrectly. Submission of illegal bills to the board. Fake information is sent to the board regarding reception of stock items. Lack of security,
unauthorized access to data. The current system is
rigid. Many options for storing and retrieving of records are not possible. There is no analysis, no report generation in existing system.

B. Proposed System

The proposed system computerized the maintenance of the record about the prisoners in the prison without much strain to the users. in the system the visitors can also book the slots online to visit the prison. If the slot for the particular day in empty then he will be allowed to visit the prison otherwise he will not be allowed. The jailor has various services spread out in
the system by which he can maintain the records more conveniently than the manual system in an organized way. This prison management system project is all set to bring ease and accuracy in the work there by saving the man power and time to a great extent.

III.   MODULES OF APPLICATION

Nominal Roll: The details of the prisoner and his/her demographic details should be captured. A digital photo comprising different views of the prisoner and the list of articles surrendered by prisoner during nominal roll are to be recorded.

Case Register: All the details of the cases against the prisoner should be captured. This must include the sentence details, remand/conviction details, etc.

Automated Release Diary Generator: This report should be display the list of prisoners to be released on a day, the next day, the next week, the next month, or any given duration of time.

Parole Register: This module should track all prisoners on parole and provide necessary reports on this data.

Education: This module consists of the information about the education to the prisoner based on his qualification and interest.

Training: This module consists of the information about the training provided to the prisoner in various works based on his interest.
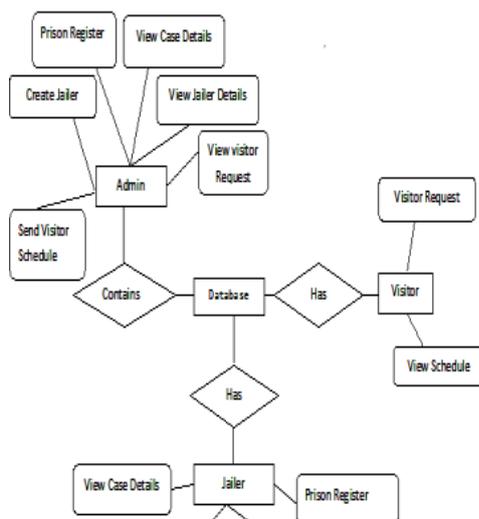
Interview Requests And In-out Register: All interview requests by the relatives of the prisoners need to be recorded and tracked. An in-out register will track all prisoners and others who move in and out for various reasons.
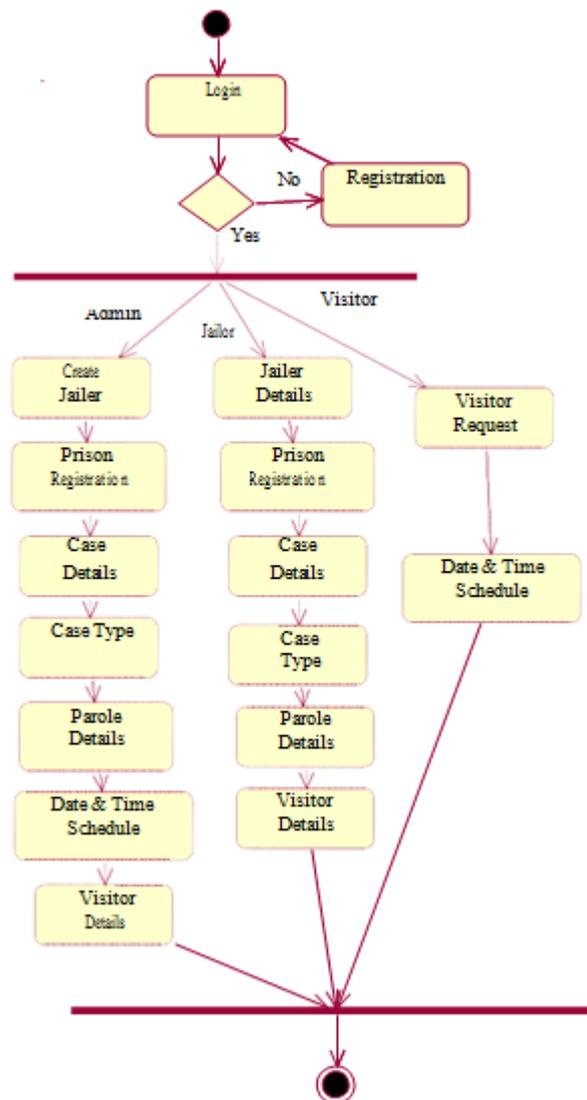
Reports: Various status reports and demographical analysis reports are to be generated.

Staff: This module consists of the information about the staff like their name, designation, date of joining etc.,

IV.   SYSTEM DESIGN

Entity Relationship

Activity Diagram

This describes that after the jailer logs in, he can access either of the modules and he can retrieve the prisoners personal details or case details or parole details or the education and training he is undergoing in the prison. He can also get the list of prisoners to be released on a day , the next day, the next week, the next month, or any given duration of time . he also has privileges' to update the details of the prisoners.

V.   PROJECT DESCRIPION
System design is concerned with identifying software components, specifying the relationship among the

components, the system structure, maintaining the record of design decision and providing a blue print for the implementation phase. System design is the process of planning the software product. the design acts as a link between the actual problem specification and implementation. After a thorough analysis of the existing system, the system design is carried out. The Goal of the system is to create a new system that meets the objectives. Prison management system provides the solution to update and preserve the complete record of inmates, enhance security, and further improve the management and planning of jails. The jailer is the administration who uploads the details of the prisoner, view the details of the prisoner and his associate visitors.

VI.   FUTURE SCOPE
In future, changes can be made by providing some provisions to accept different kinds of registries. The system can be further extended to link multiple prisons to enhance the experience of prison officers.\

VII.   CONCLUSION

The "Prison File Monitoring System" provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

VIII. REFERENCES

[1].   Nathan James, The Federal Prison Population Buildup Overview Policy Changes Issues and Options, congressional research service 7-5700 www.crs.gov .
[2].   Bill Hamilton "Programming SQL Server 2008", O'Reilly Media Publisher,2006.
[3].   www.dotnetspider.com
[4].   http://www.theatlantic.com/magazine/arch