

# A FRAMEWORK ON PENITENTIARY CONSERVANCY

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**ABSTRACT**-This framework is developed for proper organization and maintains the activities related to prisons. The purpose is to design a system that provides basic functionalities for storing and accessing the information related to prisons. This system allows one to access and search for the required information very easily. The system allows generating various reports of criminals. This system is the reinstate of the manual system. Incarceration in prison, also known as a penitentiary, is the sentence that courts most frequently enforce for vital crimes, such as criminal act. For lesser offense, courts mostly inflict short-term internment in a prison, or correction center as mentioned in [7].

**Keywords** – Conservancy, Demographic, Nominal roll, Parole, Penitentiary.

## I. INTRODUCTION

The purpose of this paper is to develop an application for maintenance of the prison system. This application consists of various registers, reports for effective operations of prisons. And police/employee can see crime/criminals reports for their purpose. A prison is a place in which people are kept forcefully in a prison as punishment for a crime they have committed. Prisons are buildings or institutions, in which criminals get punished for the crime they have committed. Prisons are also called as a remand center for the criminals. The punishment for the criminals is based on the crime they have committed and prisons are also called as retention center as mentioned in [6].

In existing system it is tedious process because all the work was done manually. Less secured so the proposed system is introduced to overcome the problems of existing system. In a proposed system the work is automated which is easy and secure to access. This system is fully automated and designed in a simple so that it can be accessed easily. Authentication is given so that only the registered members can access this application. Without the username and password the employees of jail cannot access this application.

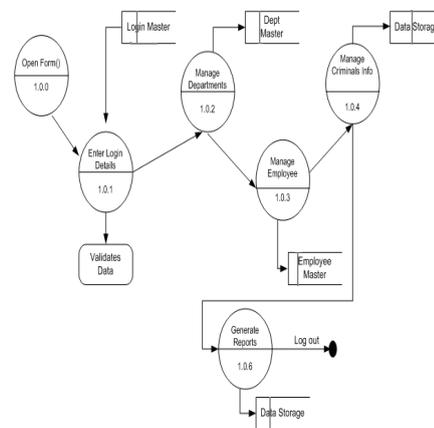


Fig3. Level 1 Data flow diagram for admin

Fig2. And Fig3. Discuss about the role of admin and employee in this application

In this paper the proposed system is divided into two parts

- 1) Administration
- 2) Employee/police officer.

Prisons are also called as corrections center for the criminals as mentioned in [7]. In Fig3. Admin is the super user in this system. Admin can register an employee based on their designation and department. Admin can view all the information of users and criminals. Admin can view all the registers of criminals like parole register, case register, duty register etc...And admin can make changes to these registers. He can easily know about the criminal which reason he has arrested or other related information.

## II. SYSTEM DESIGN

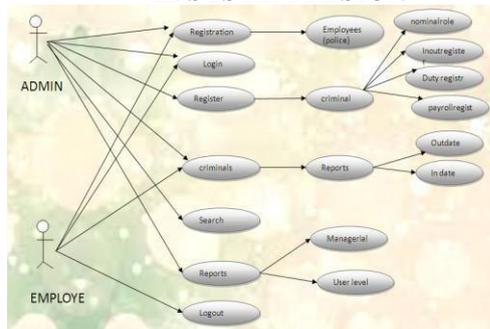


Fig2. Use case diagram

Admin can view the Criminal case details. So that he can know which case is going on the particular criminal Admin can view the Criminal court details so that he can know in which court the particular criminal's case is going on. Through court details, He can know when the next hearing of particular criminal. Admin can also view/modify the employee details and can assign duties for the employs. He can view registered employee details where he can know when employee has join and other necessary information of employees. Admin can add department details like, Jail, Account, and Mess etc. He can add different type of designations also.

From Fig2. Employee should login first by giving valid username and password to access the application. He can view his profile and can modify necessary changes .Employee can register a new criminal and maintains all the information of criminals. He can assign a task or work to a criminal. He can update/delete the criminal's information. Employee should maintain the records of all the criminals. The details include like case details, duty details, and released criminals details.

Salary details of an employee are stored in salary database. Employee can only view his salary details, per month salary, total amount calculated after increment and decrement per month. He can just view his total salary.

### III. GRAPHICAL USER INTERFACE

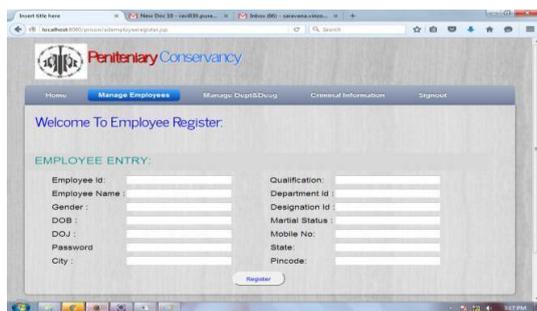


Fig4. Admin registers new employee:

Fig4. Explains how the admin adds new user. Admin registers new employee by giving all the details of an employee and assigning a password for employee. This form will be filled by the admin because admin has the power to assign id and password for the employees. So if the admin needs to add a user he should register first and assign id and password to the employee so that he can access the application. The details include the name of employee, his personal details like date of birth, marital status etc.

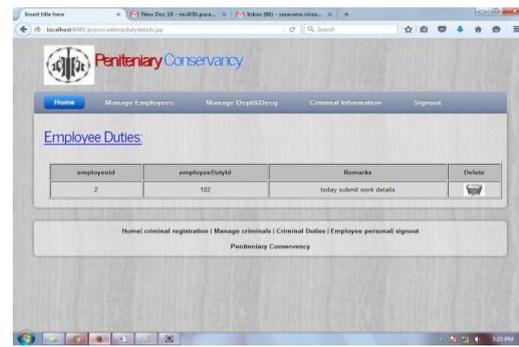


Fig5. Admin views employee duties

Fig5. Discussed how the admin views the details of employee. The employee duty details assigned by admin can be viewed by admin and the employee. But only admin can make changes for the duty details. These are the details of employee duties assigned by the admin. Each employee will have a respective duty. The duty date and time is allotted by the admin. Employee cannot change the duty details only admin have a power to modify, he can change the duties. Duty details include duty id, duty in charge and remarks.

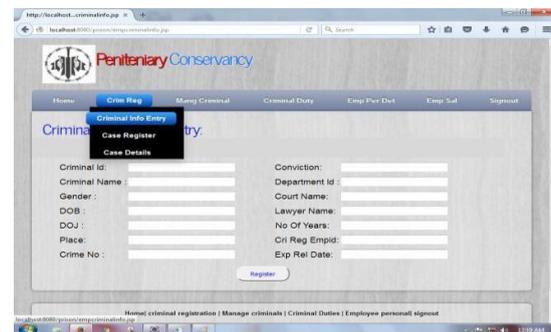


Fig6. Adding new criminal

Fig6. Discusses about how the employee adds a new criminal. Adding new criminal can be done by an employee. He can add all the details of a criminal. All the details will be stored in database. Employee adds all the details of criminals like what crime he has made, who is the lawyer of that criminal, when is the hearing and all the court details and so on. These details will be stored in the backend. The details to be entered in the front end that is graphical user interface. Employee can modify the details of criminal if the criminal has already released so the changes to be done in database. Each criminal will be assigned a unique id so that he can easily be identified.

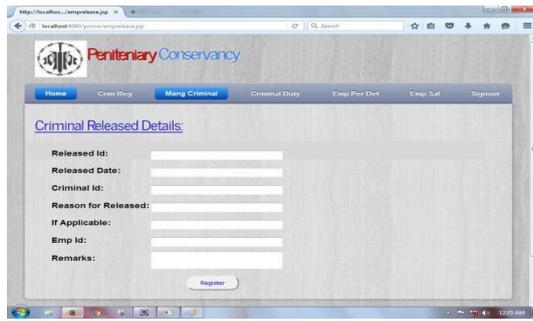


Fig7. Criminal released details

Fig7. Explains the how employee adds the released details of criminal. Employee should maintain the details of the criminals who are already released or the criminals to be released soon, their date of releasing and reason for released and remarks if any. These details should be maintained by the employee. The released criminals are assigned release id through which the employees can identify who is the released. The reasons for releasing all should be maintained by a particular employee who is assigned for this duty. Employee should maintain the details of the criminals who are in jail and to be released soon and later.

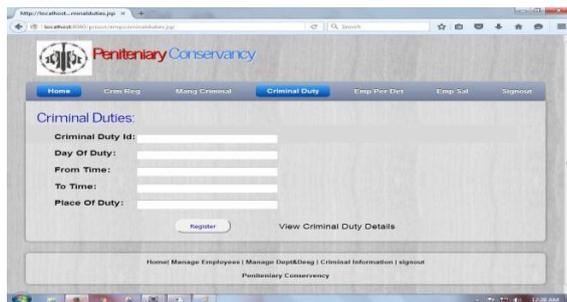


Fig8. Criminal duty details

From Fig8. We discuss how the criminal duty details will be added. In this employee will also maintain the details of criminal duties. Employee should assign duties for the criminals by assigning

duty id, day of duty, time of duty and place of duty of a criminal. Jail is a place where the criminals should work over there and they will be paid for it. These details will be assigned by the employee when and where a criminal should complete his duty and time of their duty.

#### IV. CONCLUSION

This framework helps in implementation of central and state prisons. Retaining crucial information in the files and manuals is full of risk and a tedious process, so to overcome the problems of the manual system the new system switched the manual system to a software solution. It automates the operations carried out in the prisons, and maintenance of prisons in a proper and automated way.

#### VI. ACKNOWLEDGMENT

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