Title: Design and implementation of A Prison Entry and Exit Management System

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INTRODUCTION

1.1 GENERAL OVERVIEW

Automated prison management system is the collection of register cases for each prisoner entering the prison for automated release diary generator. A good system for prison service should be automated, because it enhances the administrative and experience to design, develop and implement a prison management system for prison defense and security. In spite of the benefits of the use of computer to provide timely and accurate information, which is absent in most of Nigeria prison, it is not all problem arises as to how computer can be utilize that is programmed to achieve desire result.

Prisons serve as essential institutions in the criminal justice system, responsible for the custody, rehabilitation, and reintegration of offenders. Effective prison management is critical to ensuring security, order, and efficiency in correctional facilities. Among the most crucial aspects of prison administration is the management of entry and exit processes, which involve the movement of inmates, prison staff, law enforcement officers, and visitors.

Traditionally, many prisons have relied on manual record-keeping systems to track the movement of individuals in and out of their premises. These methods, which include paper logs and manual verification, are prone to errors, inefficiencies, and security vulnerabilities. As the number of inmates and visitors increases, traditional systems struggle to handle the growing administrative demands, leading to delays, security breaches, and inaccuracies in data recording.

The need for a **Prison Entry and Exit Management System** arises from these challenges. A digital system designed to automate and streamline the process of tracking prison entries and exits can significantly enhance security, efficiency, and transparency. By leveraging modern technologies such as biometrics, RFID, and database management systems, this system ensures that all individuals entering and leaving the prison are accurately identified and logged.

1.2 STATEMENT OF THE PROBLEM

The manual method has over the year proven faculty. This is due to several reasons: Inability to locate record: due to the fact that the records are so many, some of them are not located easily this happens especially when the order of arrangement. Bulky records: this is because the records are so many that they eventually take up a lot of unnecessary. Missing records: this is because the records are so many that they eventually tea up a lot of unnecessary. Difficulties are encountered in granting requests to people who come for investigation or research and prison staff.

1.3 AIM AND OBJECTIVES

The ultimate aim of the study is to automate the routine function of prison management system and overcome the problems associated with the present system.

The aim and objectives are to handle the following;

- To improve the existing manuals system by introducing a computerized system.

- To reduce human dependability and lapses.

- To design a system for easy information storage update and retrieval.

- Court report can be prepared easily.

- To bring into focus the important of computer in prison management.

- To improve the operational speed for faster calculation of sentences.

- To provide facility for good access to date store in the data base.

1.4 RESEARCH QUESTION

❖ How can an efficient and secure prison management system be designed and implemented to streamline operations, improve inmate management, and enhance overall security?

❖ What are the key features and technological requirements for designing a prison management system that ensures effective inmate tracking, staff management, and resource allocation?

❖ "How can a prison management system incorporate modern technologies to improve security, reduce errors, and support rehabilitation efforts?

❖ What are the challenges and solutions in implementing a digital prison management system in correctional facilities?

1.5 PROJECT METHODOLOGY

This is the method, ruled or ways of collecting data of research. The project would be carried out by simulating a manual system with automated system. Electing all necessary information was done by interviewing some staffs. The aim of the survey (interview and inquiries) is to establish the existing utilization of computer by operators (prison management) if any, also to identify areas that do not already have computer and identify the barriers to owing and using computers. One of the staff that assisted in giving relevant information was A.C.P (assistance controller of prison)

1.6 SCOPE OF THE PROJECT

The system scope of the prison is to attend to the welfare of prisoners and updating of information and enhance-the criminal investigation research e.tc the general information system will help to ensure that up to-dated individual information of every prisoner is being maintained such as the cell number and other personal information relating to his date of release, how to locate such inmate and make him/ her available.

1.7 LIMITATION OF THE PROJECT

This research is based on prison management, but the system to design will be limited to the prisoner's record keeping i.e. how the prison record can be stored, edited, updated and the security of the records.

The features of the new system are as follows.

> - It has segment that handles prisoner's family information.

> - It stored prisoner's profile.

> - It entails inmate court information.

> - It stores prisoner's information.

> - It stores prisoner's criminal records.

1.8 ORGANIZATION OF STUDY

The study is organized into five main chapters, beginning with an introduction to the topic and ending with conclusions and recommendations. Each chapter builds upon the previous one, providing a systematic approach to the design and implementation of a prison management system. The study aims to address existing challenges in prison management and provide a scalable, secure, and efficient solution for correctional facilities.

1.9 REFERENCE

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