



IOT PRISION BREAK MONITORING AND ALTERING SYSTEM

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Abstract: The prison system in India as everyone knows it is not as good as we see in the movies. It is quite shocking to know that in a digitally modern country like India, the prison system is quite orthodox. So in such an orthodox system, jailbreaks are a very common and usual thing. There is no such number, but prison escapes happen all the time, either on a large scale or on a smaller scale.

Keywords: Prison, Monitoring system, ARDUINO UNO, Microcontroller, Surveillance system.

I. INTRODUCTION

The main idea behind this content is that if a prisoner tries to escape from the prison, the movement of the prisoners can be detected as soon as his presence is not located in the cell or in the area where he is supposed to be. it's a quiet shocking fact, but escapes from captivity are not really uncommon occurrences. The exact number of data does not exist, but we are all here, still recording various encyclopedic escapes from captivity. Poor internet connection can be a problem in densely populated areas and multi-storied structures. The fact that there can still be a similar number of issues between us is scary here. We propose it to describe captive escapes and incontinently alert authorities using IOT. the system uses grounded microcontroller circuits to achieve the task using RF technology. we can calm them down.

II. LITERATURE SURVEY

1. Title: "IOT PRISION BREAK ALERT AND MONITORING SYSTEM"

Author: HOD Vaishali Rane, Harshada Vijay Gawde, Himanshu Sudhakar Kushwaha, Niragi Mahesh Masalia

Abstract: The prison system in India as everyone knows it is not as good as we see in the movies. It is quite shocking to know that in a digitally modern country like India, the prison system is quite orthodox. So in such an orthodox system jailbreaks are very common and most common. There is no such number, but prison escapes do happen, whether on a large scale or on a smaller scale. The thought of these prisoners still roaming within us is very frightening in itself. The changes required in today's prison system is that the system should be digitized a bit rather than using human power to guard the prisoners. The digital system to be used can be trusted that it cannot be exposed to a cyber attack. There are several other aspects that can be used to increase the reliability of this system against cyber attacks

2. Title: PRISION BREAK MONITORING AND WARNING SYSTEM OVERVIEW

Author : Neha Yadav², Pankaj Bhardwaj¹, Monika Chauhan², Mehak Ali

Abstract : In the current scenario, we can easily find surveillance systems to protect public places like banks, malls, houses, etc. from robbers. People are well aware of the current security systems of Indian prisons. Currently, CCTV, drones and guards are used to monitor the prison's activities. But these surveillance systems are not sufficient to keep an eye on such criminals and ensure that there is no chance of these prisoners escaping. Because there are many problems with modern security systems. Some of the problems found with these CCTVs are degraded image at night, noisy camera footage, flickering videos, horizontal lines appearing on videos, insufficient video signal, no DVR recording, triggering and annoying false alarms, bright spots on the monitor, etc. These problems can cause a lot of chaos in the prisons and the prisoner may get a chance to escape, as well as the deployment of these techniques is relatively more expensive. This shows that there is a demand for such a secure system that is economical to use and can provide a satisfactory surveillance solution to Indian prisons. To meet this requirement, many systems have been introduced before, which generally use Iot, Bluetooth, GSM, GPS, but these systems are not stable and can be affected by cyber attacks.



Through this document, we came up with an idea to suggest an advanced and reliable fix for this problem. The aspiration of our device is to implement an intact prison environment that will monitor the movement of inmates and outsiders and overcome the limitations of security modules available in the market.

III. PROPOSED SYSTEM

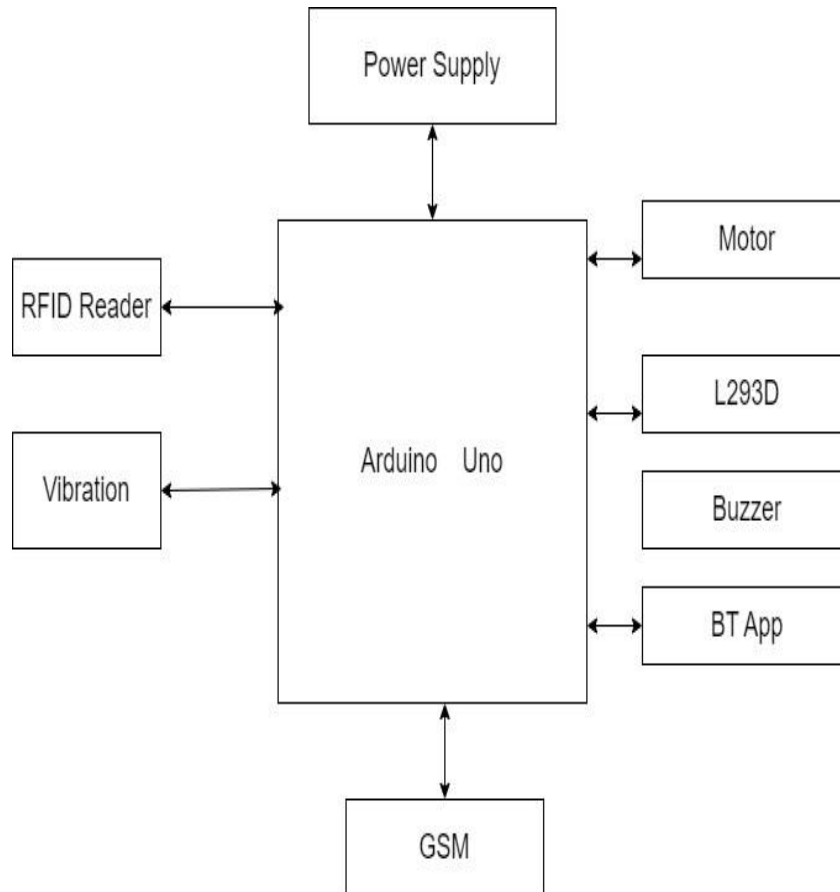


Fig.1 Use case diagram

IV. CONCLUSION

This iot based system explains the various systems available for prison security and protection which consist of RF transmitter and microcontroller. The transmitter helps us reduce the time the system needs. The conclusion of the project is that if the system was implemented in the prison system, it would add to the new level of high security of the country.

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