

Library Security Systems

Jagadish T. Patange

Abstract

The security of library collections has many facets, all linked to the physical conservation of the holdings. Librarians focus their attention on stabilizing the library environment and properly handling the materials, balancing current collections for future use. The most pervasive problem concerning the collection security, however, remains the theft of library collections i.e. Books, Conference papers, Research articles, Project reports, Journals etc. Most academic libraries need electronic security systems to deter theft from circulating the collections and policies to control access to the rare and valuable materials among their holding.

Keywords: Library Security Systems; RFID; Electronic Security; Security Systems in Libraries.

Need of Library Security Systems

1. Security system helps us to maintain our collection intact and available for users to check out.
2. Library having a big number of collection which include general books, periodicals, reference sources, compact discs, floppy disc, etc.
3. Information explosion increase User's demand, labour intensive nature of work, changing concepts of documents.
4. There is a major threat libraries are facing that is Missing Materials. We have to plan a system that can reduce the missing amount.
5. The library have to improve its circulation and inventory control, which helps to optimize the allocation of labour and financial resources.
6. Self-service checkout and check-in is enjoying greater and greater acceptance at libraries around the world.
7. No one wants to imagine that happen before with caution or not the wisdom of a collection agency and any other security problem affects the entire system. So we can make our library's collection in safe custody.
8. Our first purpose is to serve best service to the person who is using your library. By providing the materials they want, we can fulfill their requirement as well as ours.
9. When user come to take a particular book and it doesn't found in the library, it makes the users unsatisfied. Now the question is, what happen to the missing material. Whether it is not kept in its place or might be it is stolen. So we need security system.
10. In addition to printed materials, professional thief libraries and library patrons simply lose both audiovisual software and hardware Implementations
11. In order to prevent theft protection should include a good collection of security.
12. In devising a security program that is compatible with long-range library goals, library budget, service philosophy, staff and collection size, library managers should consider several questions.

Author's Affiliation: Govt First Grade College, Naubag, Vijayapur, Karnataka 586101, India.

Reprint's Request: Jagadish T. Patange, Govt First Grade College, Naubag, Vijayapur, Karnataka 586101, India.
E-mail: jtpatange@gmail.com

Received on 27.06.2017, Accepted on 11.07.2017

Security Systems in Libraries

1. Radio Frequency Security System
2. Electromagnetic Security strips
3. CCTV Camera

1. Features Radio Frequency Security System

- RFID is a method of remotely storing and retrieving data using devices called RFID tags.
- RFID technology is a new promising technology that will spread in the near future to enter most of our everyday activities.
- This technology helped in activity the misplace resource with hand held scanner like structure from stack.

Advantages of RFID Systems

1. Rapid check-out / check-in
2. Simplified patron self check-out / check-in
3. High-speed inventoring
4. Automated Materials handling
5. Long tag life

2. Electromagnetic Security Strips

Features

1. System used to apply 3M™ Tattle-Tape™ Security Strips to library print materials 3-5 times faster than manual application.
2. May be used in the stacks or in the back room. Tattle-Tape Security Strips and 3M Detection System have been carefully designed to work effectively as an integrated system.
3. 3M utilizes the highest quality raw materials combined with Statistical Process Control methods to control and improve manufacturing methods, yielding a specific strip that when used with the 3M Detection System results in a system which provides balance of detection and system reliability while minimizing unwanted alarms.

Advantages of Electromagnetic Security Strips

1. As a result of a proprietary testing method 3M can guarantee that every strip manufactured will perform to the necessary level required for detection by the 3M Detection System
2. 3M Tattle-Tape Security Strips and 3M Detection Systems have been carefully designed to work effectively as an integrated system

CCTV Camera

1. Close circuit television, or CCTV, is defined as the use of video cameras to transmit video to a limited set of monitors. This type of system differs from

broadcast television in that the signal is not openly transmitted, but is transmitted only to specific television monitors programmed or wired to receive a signal from those cameras.

2. CCTV is often used for surveillance. Businesses, offices, schools, information centres and even residences may employ CCTV. The most common businesses and offices that utilize CCTV are banks, airports, casinos, military installations, schools, convenience stores, grocery stores and hospitals.

Advantages of CCTV Camera

1. CCTV systems are designed to operate continuously. They can be as simplified or complicated as you wish.
2. It reduces crime.
3. CCTV is the use of video cameras to transmit a signal to a specific place, on a limited set of monitors. It differs from broadcast television in that the signal is not openly transmitted, though it may employ point to point (P2P), point to multipoint, or mesh wireless links.

Conclusion

As we seen all the tools using in security systems nowadays in Libraries. But it is not possible for us to apply all of them because of budget and others reasons. So we can use the Electromagnetic System Whether a library uses open stacks (allowing readers direct access to the bookshelves) or closed stacks (requiring readers to locate a book in the catalogue and rely on staff to retrieve it), staff need to observe readers from time to time to discourage deliberate mutilation or vandalism of library materials. As we seen all the tools using in security systems nowadays in Libraries. But it is not possible for us to apply all of them because of budget and others reasons. So we can use the Electromagnetic System using Tattle-Tape.

References

1. The Networked Library: A Guide for the Educations use, Melissa A.Purcell 2012.
2. Electronic Security Systems, Robert Pearson 2011.
3. Library of Congress Subject Heading Vol 2.
4. Security of E-Systems and Computer Netowkrs, Mohammad Obaidat, NouredineBoudriga 2004.
5. Encyclopedia of Library and Information Science Vol:62.
6. Fundamentals of Information Systems Security, David Kim, Michael Solomon 2010.