RFID IN UNIVERSITY OF JAMMU

RFID is used in libraries primarily to automate the book handling process including checkout, inventory maintenance, and check-in. When combined with automatic or Computer Assisted sorting equipment, RFID facilitates and speeds up book sorting. Automating this process allows librarians to spend more time with customers increasing customer satisfaction.

Why RFID

Increase in productivity with budget shortfalls

Increased circulation needs (greater the collection, greater the traffic and greater the amount of time spent on processing materials)
Expanded services and working hours
No increase in staffing
Patrons borrow more materials

Occupational health and safety

Labor-intensive library operations: time-wasting ritual, damages of items, human errors

Tedious book handling

Damages to books

Caused by increasing manual handling due to traffic density
Barcodes damaged through material handling

Library collection management

Constraining inventory: poor visibility over the library collection
Time consuming in stocktaking, with risk of human error

Poor Services

Staff not available to assist patrons
Extensive lines at peak hours
Difficulty in searching for specific items

Library collection management

Constraining inventory: poor visibility over the library collection
Time consuming in stocktaking, with risk of Human error

The RFID Challenge

The primary benefit of RFID over barcode is its user-friendly and highly reliable nature: no line of sight is needed for reading and writing, multiple item processing, self-contained data, etc. RFID offers substantial advantages critical to implementing effective security measures, ensuring efficiency and delivering real and measurable ROI:

Improves the speed and ergonomics of library item processing.

Enables “real-time” and “off-line” transactions at each step of the circulation process, thanks to the correct coding of the RFID chip memory, taken together with the accuracy of the ILS and network infrastructure.

Improves the management of the collection as a result of the programmable memory of the chip (for coding information such as the location of the book in the library, statistics, etc.)

Streamlines and makes easier the inventory of the collection by allowing a fast RFID shelf inventory, instead of having to scan books one by one.

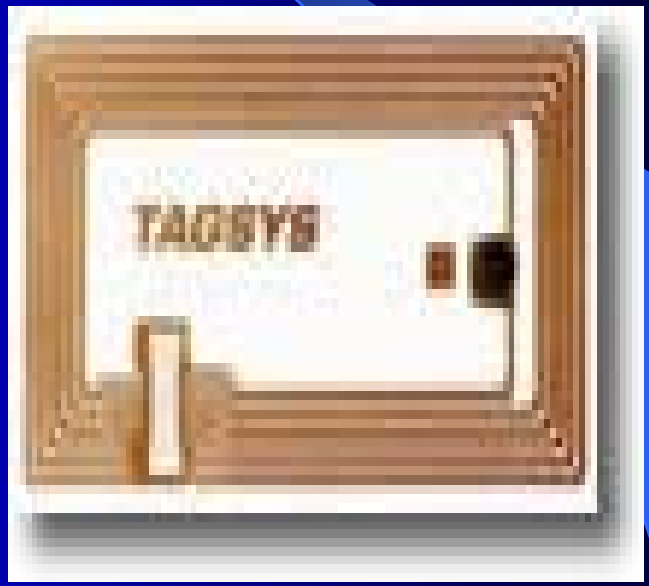
Brings more convenience to the librarian and patron by integrating the antitheft function at all stages over the life of the item. The combination of EAS and RFID in a single device allows the implementation of a single hardware infrastructure, and a single operation at each phase of item processing.

Protects new items such as CDs and DVDs by having the tag applied directly onto the item.

Key Advantages of the TAGSYS RFID Library System

Full range of RFID tags for any type of library material
RFID tags can coexist with any existing electromagnetic (EM) antitheft tag
RFID patron cards

FLEXIBLE RFID LABELS



RFID PATRON CARD

L1

L100

Recommended Data Model optimized for efficient RFID applications and off-line transactions

Unique, high-performance and convenient inventory reader

Efficient and highly reliable security system

Unique multiple item check-in and anti-theft reactivation at automatic material return

CIRCULATION STATION

PROGRAMMING STATION