



Library Management Solution

November '09

About Us



- NeoTechID, established by a group of 5 young entrepreneurs with a combined experience of about 15 yrs in the fields of Automatic Identification and Data Capturing (AIDC), Semiconductors, and Software, is your destination for endto-end automation solutions
- The core technologies that we deal with are
 - RFID
 - Bar codes
 - Biometrics
 - Network based Video Security
- We currently offer customised solutions for
 - Warehouse Management
 - Library Management
 - Asset Tracking
 - Employee Management
 - Network Video Surveillance



Our Library Management Solution



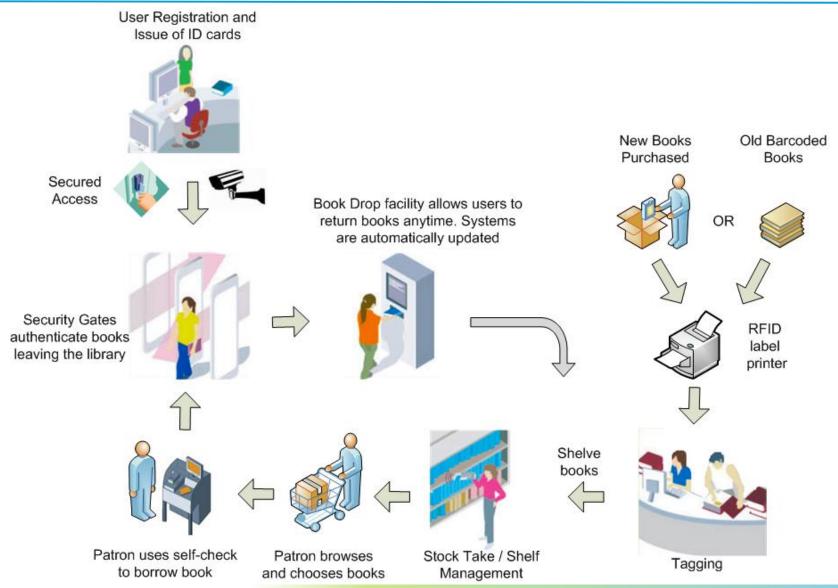
- NeoTechID's Library Management System (LMS) is a customised RFID based application capable of providing end-to-end management and visibility of books and transactions in a library
- System features broadly include:
 - Automated Book issue and return, including fine calculation and cashless payment
 - Stock take and tracking with the help of hand held readers
 - Security against people trying to walk away with books without issuing them

Advantages:

- Increased Efficiency
- High reliability
- Maximization of Resources Reduced cost of manual tracking
- Powerful Search Capabilities
- Improved security

LMS Process Flow





Transactions (1/2)



Book Tagging and Issue of Identity Cards



- New assets (books, journals, magazines etc.) acquired by the library are tagged with RFID labels containing relevant information like title, author, book number, etc. The detailed information regarding the book is also captured in the computer database.
- Similarly, smart cards are issued to users with their information stored on it and the details are maintained on the computer database.

Self Check-in Check-out



- Book issue can be done without any manual intervention. The user flashes his card at the issue kiosk to access his login account page.
- The system prompts him to place the selected books, one by one on the RFID scanner and records the data against his name and modifying the security parameter on it, so that the book can pass through the EAS gate without setting off an alarm.
- Similarly the book return process can also be automated.

Transactions (2/2)



Stock Take



- Inventory management, searching for a misplaced book and locating a particular book can be made easy.
 - A portable handheld reader can be moved along the items on the shelves and the data captured by the device be sent wirelessly to the system server wirelessly, which analyses the inventory data and reports any anomaly to the library staff.

Book Drop



- Returning of books can be made even simpler and convenient for the patrons by installing an automated drop box.
- The user simply has to simply place the books in the book drop counter and the records are automatically updated for the user.
- The advantage of such as system is that patrons can return books even after library closing hours. The book drop boxes can also be located at remote locations.

Security



RFID gantry/EAS gates



 Detectors installed at the gates of the library monitor the RFID tags attached to the books and alarm the librarians whenever there is a movement at the gates without prior issue

Access Control (RFID/biometrics/security code)



- RFID cards issued to patrons can be used for restricted access to the library; doors open only when a valid card is presented
- The tag reader at the door can also have an integrated fingerprint sensor and/or a punch-code facility to prevent someone from accessing the library using someone else's card

Video Surveillance



 For added video cameras can be installed at the entry points with live images being fed to the librarians PC. This also helps prevent piggybacking (two people entering on one card)

Hardware Devices/Consumables





Label (Barcode/RFID)



Label Printing (Barcode/RFID)





Host PC's (Industrial Grade)

Hardware Devices/Consumables





Handheld
Scanners
(Barcode/RFID)



Fixed RFID Reader



RFID Gantry System

Our Value Proposition



- We are a team of smart and dedicated individuals focused on building a brand name that will be recognized as that of integrity, dedication, and innovation.
- At NeoTechID, all our abilities are driven towards consistently meeting the expectations of our customers and more.
- We do our level best to offer you a solution that not only meets your requirements but is also cost effective.
- Every request is followed by a thorough investigation of the challenges faced by YOU in YOUR current setup and a detailed analysis phase before we offer YOU a solution

If you are looking for reliable and honest solutions to your needs then NeoTechID is the place to be!

Contact Us



If you have a requirement, we would like to hear from you. Please contact:

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