RFID Security Gates

RFID gates (Figure I.4.2) are installed at the entrance of the library. If users try to carry a book through the gate without proper issue, the system will make alert sound (buzz) and also draws attention by blinking red light, thus preventing theft. These RFID Security Gates constantly detect non-deactivated books passing through it. If user brings their own book for reading in library, they can cross the gate without any hassles.

Figure I.4.2: RFID Security Gate

Other Components of RFID System

Library has also deployed a RFID based Inventory Reader facility (Figure I.4.3) to identify/locate misplaced books. This system is also used to verify proper arrangement of books on shelf. The facility can be used very effectively for annual stock taking. This new system was used successfully for Annual Stock Taking 2011.

Figure I.4.3: RFID Inventory Reader

One Staff Station has also been installed to tag new acquisitions and to replace any damaged tags in books.

Library staff can also use the Staff Station for issue and return of books to the users.

Web-Centric LibSys 7

LibSys 7 is advanced version of library automation software of LibSys 4 which was earlier used by Library. It is a web based library management software and integrates seamlessly with RFID system functions. The software has features of Google Web Toolkit (GWT) based Graphical User Interface (GUI) with multitasking and customizable look, Multi-lingual Support, Federated Search with advanced search options, user notification through email and SMS, RSS feeds and integration with Google books and BookFinder, etc. and interactive features like online reviews, ratings, renewals, reservations etc.

Advantages of RFID system and LibSys 7

Integration of RFID system with Web-Centric LibSys-7 has ensured considerable security and facilitates value added services to the user community of RRCAT. It has the capability of making the library management processes more automated and convenient. In the long run RFID applications will lead to significant savings in staff costs and enhance the services of library. It will also provide effective results leading to foolproof security and access control. It will not only be an updated technology for RRCAT Library, but will also ensure proper stock and circulation management accomplishing better library services.

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I.5: Construction & Services

Civil work related to construction of eight numbers of type V-E houses, along with road work, water line and sewer line works, resurfacing of road from main gate to guard house and patrolling road along extended technical area fencing was completed.

Various works including development works in new colony, construction of open air theater, development of a play field in new colony etc. are progressing in full swing.

The patrolling road around newly constructed R C C boundary wall in Sindhora area and construction of R C C boundary wall in Shriram Talawali/Navda Panth areas which are far away from present campus are progressing in full swing.

Construction of buildings for H-ion laboratory and Accelerator test facility laboratory in extended technical area are progressing in full swing.

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