

Application of RFID System in Selected Libraries in Delhi, India: Issue & Challenges

Roy, P., Kumar, S. and Sonu

projesroy@hotmail.com, shail3@yahoo.com, sonupanchal911@gmail.com

The paper studied many aspects of the RFID application, its budgeting, purchase process and application. It also studied advantages and limitation of RFID Technology, Documentation and Financial Implication, Challenges faced in initial stage and remedies, RFID tag, RFID Gate, software, vendor selection. The library has taken many innovative steps to implement the RFID in a very short period of time and in less technical glitches. It also studied counting performance with RFID technology, Wrong-positioned book situation with RFID technology, reaching the sources in the library with RFID technology and Library services as copyright and lending out books with RFID technology.

The study selected major important libraries in Delhi, out of that, it's found that four libraries are using the RFID system at that time. In the present study descriptive survey method was used to know the usage of Radio Frequency Identifier System (RFID). The author wanted to know the usage of RFID system among the users of four selected Libraries in Delhi. A structured questionnaire was designed to collect the raw data. This research employs the method of quantitative research to gather an in-depth understanding of the nature of usage of RFID system among users of said libraries.

From the above study it has been found that the entire three libraries are RFID applicable. The users are very much satisfied with the RFID application of the library. The application of the library is differ from one another. The hardware and software is also diversified. But the main objectives of the said libraries are same, i.e. service to the users.

The study shows the effective application of RFID technology is done by IIT Delhi library. On the other hand the British council library is older one for the application of RFID. Still the clientele and subject covered by the IIT library are huge and diversified. The technological effectiveness of IIT library is better than other two libraries. NASSDOC library should show more effectiveness for the daily use of the RFID technology.

Above all, the RFID technology is very efficient technology to manage the different housekeeping jobs of the library. It's not so much expensive venture, its result oriented venture. Security of books and identification of books is done very quickly. The technology can be adopted by the other libraries in India.

Keywords: *Radio Frequency Identification (RFID), Application Family Identifies (AFI), Mifare Card, Operating Frequency, RFID Reader, Staff Station, Self-circulation kiosk.*