

Visvesvaraya Technological University

Belgaum



PROJECT REPORT

On

“LIBRARY MANAGEMENT USING RFID”

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Bachelor of Engineering

In

COMPUTER SCIENCE AND ENGINEERING

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ABSTRACT

Managing thousands of books in a library and locating and providing them to book readers. These tasks can be handled with ease using RFID technology. RFID library management, using RFID tags library, is easy and convenient. A RFID library management system consists of books, each attached with an RFID tag, RFID reader, computer network and software. Library staff handle lending, returning, sorting, tagging etc. of books, using RFID tags in this library system.

A person can locate RFID library books marked with a RFID tags, using the RFID reader which identifies and locates the book. When the book is carried to the counter, the library staff can either activate or deactivate the electronic article surveillance bit in the book's tag. If a book is borrowed, then the surveillance bit is deactivated.

The purpose of an RFID system is to enable data to be transmitted by a mobile device called a tag, which is read by RFID reader and processed according to the needs of a particular application. The data transmitted by the tag may provide identification or location information or specifies about the product tagged, such as name of book, author, Id of student or employee etc.