VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM – 590 014

A Project Report on

"RFID BASED AUTOMATIC DETECTOR"

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ABSTRACT

In today's complicated world, we always look for easy and better ways to get our work done. Keeping this in mind we have come up with an idea of developing an automatic detector .In this we are using radio frequency tags, transmitter and receiver. Radio frequency tags are kept near the items to be detected. When we select the item to be detected, transmitter sends the signal which is received by the receiver with the help of an antenna. Thus the position of the object is indicated by LED (light emitting diode) .Thus it is easy and time saving way of locating position of any item.

We are implementing this technology for identification of books in library where we are using four radio frequency tags to detect location of four books in our project.

In library, there will be thousands of books, where it is difficult to find the location of a particular book.Every book is provided with RFID tag and it is programmed in the computer. When we enter the book name or code which is prewritten, the information goes to the tags kept near the books and that position is indicated by light in the tag.