5. Proposed Solution

RFID technique is widely used now. Our project use RFID in managing books in library with expectation of help people manage more library efficiently.

5.1. Feature functions

- Manage readers: keep track of readers information about which books he/she has taken and they has been returned or not.

- Manage books: maintain book information.

- Prevent book theft: build a RFID gate to prevent readers from borrowing books without checkout.

5.2. Advantages and disadvantages

- Advantages:

+ Reduce time for management: books with RFID tags can be read at fast rate. RFID readers can read many items similtaneously.

+ Keep data in secure: data in RFID tags can be encrypted.

+ RFID tags are read/write devices: data of RFID tags can be edited for another uses.

- Disadvantages:

+ Cost more than barcode system: the total money to buy RFID tags for book management system is expensive.

+ Occur collision between readers or tags: prevent tags from responding information to readers.

+ Get scanning issues: RFID have problems with metal and water.