The development of Books Utilization Measurement and Security System

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Where are we from?

Taipei Medical University Library

Established in 1962
6,000+ students
500+ faculty

3,300 m²
600 + seats
90 + public PCs

15,000+ volumes of books
80,000+ e-books
15,000+ e-journals
110+ databases
CAUSE

- With the idea of dormitory learning commons, Taipei Medical University Dormitory Management Group established Mu-Shan learning commons in the basement of the dormitory.
- Furthermore, with the support from Taipei Medical University Library, Mu-Shan learning commons provides students with thousands of books and tens of magazines from diverse subjects.
- However, we still need to trace the utilization rate and make sure that all the items won’t be taking away.
This *system* is designed by the staff of the TMUL, and gets the Taiwan patent.

- We install infrared counter onto the book shelves; therefore, the system will count up when users grab the book from the shelf.
- With a matching list in the database, we then apply RFID tag on every item, gadget and furniture, which suggests that no items could be taken away without being noticed.
- Furthermore, with the patented Un-gated Security System, there’ll be warning alarm and photo-taking strategy when an item is taken away. Meanwhile, the photo and the list of lost item will be presented on the computer.
OUTCOME

- This design allows librarians to find out the utilization rate of collection and each area without practical supervision and to control the learning commons remotely.
- We hope that it could be applied to every college learning commons in Taipei Medical University.
Q & A?

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