

TIER CLASSIFICATIONS FOR RFID LIBRARIES IN THAILAND

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M.Sc. (INFORMATION TECHNOLOGY MANAGEMENT)

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ABSTRACT

This study proposes a model of radio frequency identification system (RFID) to support the library management in making a decision that most suitable for their library, whether to deploy the complete RFID or choose the partial RFID system. Each library has its own objectives and set of characteristics. The RFID library system also consists of several components supporting the different functions that enhance and change the face of the overall library services. However, having a full system deployment may not prove to be an efficient solution for all the libraries.

The study offers an improved classifications model, based on a Decision Tree that includes all library characteristics and is also suitable for all types of libraries. The proposed model was proved effective and useful management for any library considering the deployment of RFID as a guideline for the best decision under the library's circumstances leading to the optimum solution for that particular library eventually.

KEY WORDS: RFID / LIBRARY CLASSIFICATIONS MODEL

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