

3837092 EGTI/M : MAJOR : TECHNOLOGY OF INFORMATION SYSTEM
MANAGEMENT; M.Sc.(TECHNOLOGY OF INFORMATION
SYSTEM MANAGEMENT)

KEY WORDS : INTRANET / DATA DISTRIBUTION / INTERNAL WEB
COMMUNICATION

SRIWAN PLEUMTHIRATHAM: THE DEVELOPMENT OF INTRANET
FOR LEGACY DATA DISTRIBUTION. THESIS ADVISORS : WORAWIT
ISARANGKUL, M.S. PIYAPONG SITTHIKONG, Ph.D. PONGSKORN
SAIPETCH, Ph.D. 127 p. ISBN 974-663-781-9

The aim of this research is to analyze, design and develop an intranet to distribute business information within a hospital. The system uses Microsoft Access to export and summarize the daily transaction data into a data warehouse through Open Database Connectivity. Users interact with the system through dynamically generated web pages served by Internet Information Server 4.0 on Windows NT 4.0. The design of the webpages was done with Microsoft Frontpage 98. The contents of the web pages were derived from interviews with hospital staff and patients. Useful services were also added into the system to leverage the collected data.

The result of this research consists of two parts: the data warehouse and the prototype intranet system. They facilitate the traditional operation of the hospital while providing new searching and other facilities. The intranet prototype was divided in modules - homepage, search, news board, web board and document management, all of which can be extended and modified in the future. Furthermore, this paper also makes suggestions about hardware and software required to implement an intranet system. The experience gained is valuable in the integration of the Web system into the hospital's overall business strategy.