

4037584 EGTI/M :MAJOR :TECHNOLOGY OF INFORMATION SYSTEM MANAGEMENT;
: M.Sc. (TECHNOLOGY OF INFORMATION SYSTEM MANAGEMENT)

KEY WORDS : THE MASTER PLAN OF INFORMATION TECHNOLOGY /SYSTEM
ANALYSIS AND DESIGN / GOVERNMENT DEPARTMENT PLAN

VIPAVEE VALEEPITAKDEJ :THE MASTER PLAN OF INFORMATON TECHNOLOGY
: A CASE STUDY OF LAND DEVELOPMENT DEPARTMENT. THESIS ADVISOR :
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The objectives of this research were to develop the master plan of information technology (IT) for the Land Development Department of Thailand, as a case study. The research methodology was composed of system analysis and design. Data was collected by studying the organization's structure, missions, policy, the existing IT system, and determining the user's requirements for the new system. The collected data as stated previously was analyzed to evaluate weaknesses and problems of the current system and to examine the demand for new kinds of Information Technology of users, compared with the balance between the mission appropriateness and budget. The Design of new systems was done according to the goals to specify an appropriate Information Technology (IT) in terms of quantity and quality covering information systems, hardware and network before formulating the master plan. .

The result of this research is a master plan for information technology consisting of 1). The Plan of the Information System Development, 2.) The Plan of Human Resource Development in Information Technology, 3) The Plan of Computing and Networking Development and Investment Plan. The effectiveness of the master plan helps an organization define objectives and achieve goals successfully. Tasks will also be performed following the master plan.