

3937320 ENIM/M : MAJOR : INFORMATION MANAGEMENT ON ENVIRONMENT
AND NATURAL RESOURCES; M.Sc. (TECHNOLOGY OF
INFORMATION SYSTEM MANAGEMENT)

KEY WORD : HEARING CONSERVATION PROGRAM / INFORMATION SYSTEM
RAJSUDA JONGLERTJANYA : INFORMATION SYSTEM FOR HEARING
CONSERVATION PROGRAM OF INDUSTRIAL SECTION ENTERPRISES A CASE
STUDY IS THE ELECTRICITY GERNERATION AUTOTHORITY OF THAILAND.
THESIS ADVISORS : LEUPOL PUNNAKANTA, M.Sc., SARANYA SUTJARITKUL,
M.P.A., SAWIN PONGKAO, M.P.A. (Hons.) 178 P. ISBN 974-663-727-4

The principal objective in developing an information system for the hearing conservation program of Industrial Section Enterprise is to implement an efficient information system. This system will operate and introduce data input, storage and data output for a hearing conservation program. The Electricity Generation Authority of Thailand was chosen as a case study for this project.

This developed research methodology utilized the principles of system development life cycle, analysis design and development. The entire data system of the designed hearing conservation program consists of a noise measurement system, diagnostic measurement system and noise control system. This information system was managed and designed using the relational database of Microsoft Access 97. Furthermore, the developed application and use-interface creation was created using Visual Basic 6.0 . This research was evaluated by three target groups, which are experts in analysis and design system , hearing conservation programs and The Electricity Generation Authority of Thailand.

This system was operated by the users and is still working efficiently. It is simple, prompt and provides accurate data, which can significantly manage a hearing conservation program. Additonally, the system is capable of servinging as a prototype to develop information systems for hearing conservation programs of Industrial Section Enterprises in the future.