A STUDY AND IMPLEMENTATION OF INTERACTIVE WEB-BASED COUNSELING SYSTEM WITH DECISION SUPPORT CAPABILITY

Prepared by: Teng Inn Fang

ABSTRACT

This project's objective is to study on Decision Support System (DSS) concepts and its application in a web-based Counseling system. The study will focus on implementing the three fundamental principles of the DSS concepts such as problem structure, decision support and decision effectiveness in order to make the Counseling system become more meaningful to people. This project investigates the issues related to DSS, its strengths and weaknesses. The system to be developed in this project will introduce counseling related information. A test section will be designed using decision support concepts and matched with the counseling purpose. All the information and questions will be stored within a server database, which can be accessed by the client computers. Thus, a study on web-based programming language will be carried out in order to develop this web application. For security purpose, only the counselor or authorized personnel will be allowed to update the information, create new tests to the system and view the students' queries and cases. The development of this system aims to use DSS concepts to broaden the usefulness of Counseling.