

Independent Study Title	Geographic Information System for the Management of a Fiber Optic Network Chiang Mai University
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ABSTRACT

This study is developed for storing, searching and displaying the data of fiber optic network in Chiang Mai University through the web site. These data are spatial data and attribute data that will be used for searching, analysis and planing by the people who take responsibilities about fiber optic network. There are 2 kinds of main data in the study. The first is the data of network devices (78 devices) and the second is the data of fiber optic cables (56 cables).

In developing system, the study used PHP as a programming language and MySQL as a database management system. For displaying spatial data that is in Shape File format on the web site, the study used a Java Applet called JShape. Additional, the attribute data stored in MySQL will be joined to spatial data.

The study found that the system can serve users to be more efficient. However, the system has to be developed more efficient for supporting advance analysis and planning.