

SEARCH ENGINE GENERATOR PROGRAM FOR A WEBSITE

SOTARAT THAMMABOOSADEE 4637214 EGTI/M

M.Sc. (TECHNOLOGY OF INFORMATION SYSTEM MANAGEMENT)

THESIS ADVISORS: PHANSIRI ATHIKOMRUNGSARIT, M.S. (COMPUTER SCIENCE), KANAT POOLSAWASD, M.Sc. (INFORMATICS), RANGSIPAN MARUKATAT Ph.D. (COMPUTER SCIENCE)

ABSTRACT

This research creates and develops an English search engine generator application for a website. This application is useful for a website developer or internet user who wants to create a search engine for their website. The appearance and search factors of this search engine can be customized.

This application collects retrieved web pages from a website by the crawler function, then web pages are indexed by the indexer function. The database is a MySQL[®] database. PHP files, which are used to implement the search engine, are created. Users can customize the crawler, the indexer and the appearance of the search engine.

A precision search depends on four ranks: WordRank, PageRank, Weighted PageRank and Users' Feedback Ranking Score. In this research, testing was conducted to find the optimal weights of these four ranks.

This research successfully develops a search engine generator for a website, which has adjustable search factors and appearance. The evaluation of the application by internet users resulted in a satisfactory system assessment. The search results comparisons with Google, the existing popular search engine, were at a satisfactory level.

KEY WORDS: SEARCH ENGINE / INFORMATION RETRIEVAL /
WEB PAGE RANKING / WEBSITE INDEXING

121 P. ISBN: 974-04-5808-4