ABSTRACT

Library has much kind of documents collections like paper, e-book, Final Assignment/Final Project, which are connecting each other, and have important role as supporting to give references for the student whom doing research or Final Assignment/Final Project (FA/FP). Along with increasing of documents, university students have difficulties to search references, which are needed manually. So it is needed a system, which can organize those document.

For this final assignment, developed a system to organize collections FA/FP document in a FA/FP document network, so it can be used to rank document based on their popularity then it can also be used to rank document list at document references search, which analyzed from this final assignment are nearest distance document connectivity which had been inserted into system and processing time to develop document network and also rank document list which are relevant with user query using Query-Dependent PageRank.

As Conclusion, at the end of this final assignment is that developing system to organize FA/FP document collection in a FA/FP document network can be applied successfully, with the result that can be show nearest distance document connectivity. For smaller numbers document the document network can be developed in fewer processing time, and for bigger number document need longer processing time. Query-Dependent PageRank can put the most popular document at the highest rank in document list which are relevant to user query, author expect this system can be useful for university student to get references object. And for the further with development author suggest can be applied searching in distributed server. This system are developed using Visual Studio .Net and Database Management System SQL Server 2000 Personal Edition.

Keyword: *Query-Dependent PageRank*, Final Assignment/Final Project document, rank.