

SIRIPORN RATTANABUNTUNG: NEWS SYSTEM MANAGEMENT IN A CAMPUS  
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UsenetNews, one of the services in Internet, is composing of many interested topics. People can use UsenetNews for discussing their interested topics. Everyone could not only deliberate and discuss the upcoming events but can find out the solving problems with his questions from UsenetNews also. However, in every day the UsenetNews has an enormously complicated information, it makes the network faces the problem to service enough UsenetNews for the network capacity. And users cannot find the interested UsenetNews perfectly.

The objective of this research is to introduce the UsenetNews management systems by developing a software tool to select newsgroups. This tool uses the analysis method of the knapsack algorithm. The tool will classify the suitable newsgroups for the network capacity and the user requirements that can be utilized to the optimum network capacity. Further more, the software can arrange and warn the UsenetNews administrator about the extra large coming UsenetNews.

As the result of this research, the software tool can select the suitable newsgroups by using the user requirements, the usage UsenetNews of users and the amount of data to decision.

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