Canja, Daniela Marie B., Catague, Shaira B., Pancho, Anabel A., Pantia, Shalden S., Salmorin, Gezel B., and Bañes, Arnold B., "**COMPARATIVE FILE TRANSFER PERFORMANCE BETWEEN CCBOOT AND ISHAREDISK BOOT SYSTEMS IN A NETWORK ENVIRONMEN**T". Unpublished Undergraduate Thesis. Bachelor of Science in Information Technology. Northern Iloilo State University, Estancia, Iloilo. December 2022.

ABSTRACT

This experimental research aimed to compare the file transfer performance between CCBoot and iShareDisk boot systems in a network environment. The researchers conducted the file transfer of small, medium, and heavy number of clients and file size from server to clients. Seven units of personal computers were used. The researchers used to record the time in Megabytes per second (MBps) during the file transfer to measure the speed accurately. The results were subjected to statistical treatment using the Mean, Kruskal-Wallis and Mann-Whitney U test. Based on the results of the study, as to a number of clients, CCBoot was faster in small clients while iShareDisk was faster in average and heavy. For file size, the iShareDisk was faster in small size while CCBoot was faster in average and heavy. The study revealed that there was no significant difference in the file transfer performance between CCBoot and, iShareDisk boot systems.

(Keywords: Diskless, CCBoot, iSharedisk, Number of client, file size)