

KEY WORD : NETWORK/ENTRANCE EXAMINATION/CLIENT/SERVER

SOMJAI BOONSIRI : DESIGN OF COMPUTER NETWORK FOR THE APPLICATION STAGE OF UNIVERSITY ENTRANCE EXAMINATION PROCEDURE.

THESIS ADVISOR : DR. YUNYONG TENG-AMNUAY, LERTCHAI LERKDUMRI

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The application stage of university entrance examination procedure is an important job and it is continuously done for a long time. The sub-committee for using computer in university entrance examination has tried to bring new technology to enhance the efficiency of the work.

Previously, using microcomputers results in problems such as insufficient seat numbers, skipping of seat numbers, operational inconveniences, and delay in auditing. Network system is therefore introduced, which will centralize all files but distribute interactive work to workstations. Client-server model was adapted. The sever is a supermicrocomputer running UNIX operating system and clients are personal computer running MS-DOS operating system. There are connected according to the standard of IEEE 802.3, TCP/IP, with 10-base-T twisted pair to each client.

Findings from the academic year 1992 show that the network system could solve many problems covering the repetition and omission of seat numbers. It is also found that the inspecting of numbers of applicants at any time, the editing of applicants data, the generating financial and repeatable fields reports could be done rapidly.