

Thesis Title	A Study of the Status, Problems and Needs Concerning Computer Assisted Instruction Applications for Teachers in Technical Colleges under the Department of Vocational Education in the Educational Region 8.
Thesis Credits	6
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#### Abstract

The purposes of this study were to survey the basic information concerning computer assisted instruction in technical colleges and to study status, problems and needs concerning computer assisted instruction applications for teachers in technical colleges under The Department of Vocational Education in the educational Region 8. The study focused on 7 areas including software, hardware, personnel, instructional, budget, policy and landscape and physical plant. The questionnaires were used as the research tool. The sample consisted of 332 industrial and general instructors selected by simple random sampling. The result of the data analysis indicated as follow :

The firstly, most of technical colleges under The Department of Vocational Education in the educational region 8 had used computers in their colleges for 3-5 years but most instructors had not been training for computer assisted instruction literacy. However, most instructors perceived of the applications of computer assisted instruction and wanted to use computer assisted instruction in their instruction.

Secondly, the instructor's problems about computer assisted instruction applications at the high level were software, hardware, personnel, instructional, budget and policy and at the middle level were landscape and physical plant.

. Finally, the instructor's needs about computer assisted instruction applications at the high level were hardware and at middle level were software, personnel, instructional, budget and landscape and physical plant.

**Keywords :** Computer Assisted Instruction / Instruction / Technical College