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Thesis Title	A Construction Computer Assisted Instruction Package
	for Multimedia Technology
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Abstract

The purposes of the research were to construct a Computer Assisted Instruction (CAI) package for Multimedia Technology and to evaluate efficiency, satisfaction and learning achievement. The research tools were : 1) a Computer Assisted Instruction package for multimedia Technology, 2) An achievement test and 3) Questionnaire of satisfaction toward the CAI package . The research sample group was 32 students who were studying in the Education Technology Department, school of Industrial Education, King Mongkut' University of Technology Thonburi.

The research results revealed that the efficiency of the computer instructional package was 85.03/82.65, wich was higher than criteria set (80/80). The analysis of pretest and posttest scores for effectiveness found that the effectiveness after the process (E_{post}) = 82.65 was higher than the effectiveness before study (E_{pre})= 31.92 .The results could be concluded that the CAI package was able to increase effectiveness of learners = 50.73, as the significant level 0.01 , The mean of satisfaction of the sample group was in good level = 4.16. Therefore , the CAI package could be used for self learning.