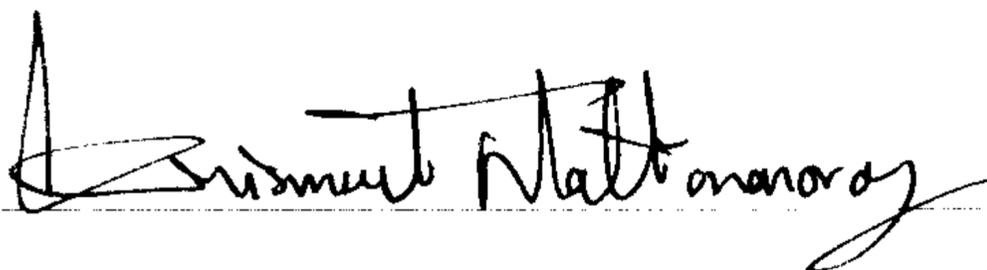


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Thesis Title : The Development and an Efficiency Analysis of a Multimedia Learning Program for Teaching Technical English Vocabularies to Machine Shop Students
Major Field : Technical Education Technology
Thesis Advisors : Assoc. Prof. Dr. Krismant Whattananarong,
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Abstract

The purpose of this study was to develop and analyse the efficiency of a multimedia learning program for teaching technical English vocabularies to students studying Machine Shop. Subjects of the study were 36 first year undergraduates studying Machine Shop at Samutprakarn Technical College in the first semester of academic year 1999. A multimedia learning program and an achievement test were developed as the tools for the study by the researcher. The subjects' scores obtained during and after being exposed to the program were computed using KW – CAI formula to find out students' achievement and the program's efficiency.

It was found that the ratio mean of students' score obtained during studying and the full score was 0.84 while that of the students' score obtained after studying and the full score was 0.87. The efficiency of the developed program was 85.50 %, considered to be considerably efficient according to E – CAI criteria. Students' achievement in three areas of knowledge; namely, recall, application and transfer were 88.07, 84.90 and 84.50 % respectively.



Committee Chairperson