NUANPACHONG CHANCHAEM : APPROPRIATE FEATURES OF COMPUTER-ASSISTED
INSTRUCTION AUTHORING SYSTEM FOR ELEMENTARY SCHOOL TEACHERS IN
BANGKOK METROPOLIS. THESIS ADVISOR : VICHUDA RATTAMAPIAN, Ph.D.,
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The purpose of this research study was to investigate appropriate
features concerning hardware requirements and those related to the
courseware development of computer-assisted instruction authoring system
for elementary school teachers in Bangkok Metropolis. Samples consisted
of 72 elementary school teachers in Bangkok Metropolis. They all received
a one day training workshop pertaining to computer-assisted instruction
authoring system packages. The questionares were used as research
instruments. Data were analyzed by frequency by count and percentage.

The findings revealed that the appropriate features of computer-
assisted instruction authoring system for elementary school teachers are
as follows :
1. Appropriate computer hardware model should be those already
exist in school.
2. Two sets of program levels are suggested for users to use to
meet their needs.
3. Appropriate computer-assisted instruction authoring system
should be able to run under either DOS or Windows operating system.
4. Computer - assisted instruction authoring system should
provide several programming levels.
5. Features such as color, font of characters, and drawing tools
should be adequately provided.
6. Appropriate graphics that can be manipulate should also be
included in a program.
7. Samples of computer-assisted instruction lesson should also
be available.
8. Ideal computer-assisted instruction authoring system should
be able to provide sound and/or moving image. This can be done by
connecting computer hardware to sound and/or video equipments.