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Thesis Title : The Learning Effectiveness by Using
Microcomputer in Teaching Electronic
Circuit Design Board.
Major Field : Technical Education Technology
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Abstract

The Objective of research was to find the learning effectiveness on the use of microcomputer in teaching electronic circuit design. The research instruments consisted of a microcomputer, an interface card, a software program, an electronic circuit board and an evaluation form. The samples were 30 students studying in electronic diploma level of the Industrial Technology College, King Mongkut's Institute of Technology, North Bangkok. After the instruments were tested and evaluated by a group of instructors with more than 5 years of teaching experience. The samples were assigned to use, operate the experimental instruments. The data were analyzed by using arithmetic mean and means of percentage.

The result of the research revealed that the learning effectiveness on electronic design was 85.46/89.22, higher than 80/80, the given criterion.