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Thesis Title : Construction of the Computer-Assisted Instructional Materials on "the Reading of the Assembly and Details Drawing" for Diploma Curriculum 1984, College of Industrial Technology, King Mongkut's Institute of Technology North Bangkok.

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Abstract

The study aimed to construct and evaluate the efficiency of the computer-assisted instruction with the established criteria of 80/80 Reading of the Assembly and Details Drawing. The instruction materials consisted of 3 units: reading of the assembly drawing, reading of the details drawing and the method of listing material each with two parts of contents, information and test.

The experiment was done with 15 first-year students in vocational diploma level at College of Industrial Technology, King Mongkut's Institute of Technology North Bangkok who registered the subject Technical Drawing 01 (MT452) in the second semester of the academic year 1992. The students studied the computer-assisted instruction by themselves and after that they were tested. After the completion of all three parts, the scores were then collected and analyzed by means of descriptive statistics.

The results showed that the theoretical achievement was 81.22/80.22 which was higher than the established criteria of 80/80 as the hypothesis.