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Thesis Title : The Construction of Computer Assisted Self Tutorial  
Package on Stress and Strain for Diploma Program.

Major Field : Machanical Technology

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### Abstract

The study aimed to construct and evaluate the efficiency of computer assisted self tutorial package consisted of 4 units: review of force, stress, strain and relationship of stress and strain. The package contains three parts: content, exercise and test items.

The experiment was done with 20 second year technician students of the King Mungkut's Institute of Technology North Bangkok during the first semester of the academic year 1993. Students studied the package by themselves and after that they were assigned to take the test. Scores were collected and analyzed by mean of descriptive statistics.

The result of achievement was measured as 87.87/80.93 which was accepted as hypothesized.