

Thesis Title	A study of Electrical Teacher Development Needs in the Northeastern Technical Colleges
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Level of Study	Master of Industrial Education in Vocational Administration Industrial Education, King Mongkut's Institute of Technology Ladkrabang
Year	1998

ABSTRACT

The objectives of this research were, to study of electrical teacher development needs in the northern technical colleges in electrical vocational knowledge, to compare electrical teacher development needs in the northeastern technical colleges according to age, educational degree earned and kind of institute.

The research samples consisted of 150 electrical teacher in 17 the Northeastern Technical Colleges. The research instrument was a constructed questionnaire with 2 parts included general data, development needs in electrical vocational knowledge. Data analysis utilized the frequency, arithmetic mean, percentage, standard deviation, t-test and F-test.

Research findings:

1. The study about electrical teacher development needs in the Northeastern Technical Colleges revealed that their needs were at high level in electrical vocational knowledge, and the first four subjects were Basic Transmitter, Industrial Electronics, Electric Control Programme, Industrial Instruments and Basic Control.

2. The Comparison of electrical teacher development needs in the northeastern technical colleges in electrical vocational Knowledge revealed that :

- 2.1 Electrical teacher in the northeastern technical colleges with the ages below 30 years had the highest development needs.

2.2 Electrical teacher needs in the northeastern technical colleges with different educational qualification had no significant differences.

2.3 Electrical teacher in the northeastern technical colleges with only one major field had higher level development needs than those with many major fields.