

Thesis Title	A Study on Teaching-Learning under Vocational Education Certificate Program in College of Department of Vocational Education in Accordance with National Occupational Skill Standards : A Case Study of Motor Vehicle Electrician Field in the Northern Vocational Region
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## ABSTRACT

The main objectives of this thesis were to study and compare the Vocational institute instructors and students' opinions towards students' technical knowledge and skills according to National Occupational Skill Standards in the field of Motor Vehicle Electrician. The population consisted of 159 Auto-mechanics instructors and 312 third-year Certificate level students sampled from Northern Technical Colleges, Vocational Education Department. There were two main devices for data collection : questionnaires for instructors and students based on National Occupational Skill Standards. Percentage, mean, standard deviation, and Cramer's V test were statistical tools for data analysis.

The findings yielded the following results :

1. The instructors' opinions cited that six out of twelve areas of technical knowledge and three out of four skills were taught to the students at high level. Owing to the students' opinions, the knowledge dealing with safety and tools in Auto-mechanics and materials selection skill were learned at high level.

2. After the means of the opinions between the instructors and students had been compared, ten out of sixteen knowledge areas and skills were correlated. This could be

explained that three areas were at high level while seven areas were at mediocre level. However, the other six knowledge areas and skills which were the rest showed no correlation since the instructors provided their opinions towards what they had taught at high level while the students agreed on mediocre level.

3. It was found that there was correlation at .01 significant level between the students' opinions and their preference. However, it was not found any correlation for the case of instructors.

Nevertheless, the research findings, as a whole, indicated that the teaching-learning process of the Northern Technical Colleges had covered the National Occupational Skill Standards of Motor Vehicle Electrician at the mediocre level.

**Keywords :** Teaching-Learning / Certificate in Vocational Education Program / National Occupational Skill Standards / Motor Vehicle Electrician