

Thesis Title	Problems and Constraints on Teaching Profession of Technical Teachers Holding Industrial Education Degree in Electrical Engineering from Faculty of Technical Education and Science, King Mongkut's Institute of Technology, North Bangkok
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### ABSTRACT

#### Purpose

This research was aimed at surveying problems and constraints on teaching profession of technical teachers who held a bachelor's degree from the Department of Teachers Training in Electrical Technology, King Mongkut's Institute of Technology, North Bangkok. The investigated aspects included economy, personnel management, society, environment, teaching value, teching safety and security, and agreement between curriculum of the department and that of the teaching institution. The correspondence questionnaire was used as an instrument for collecting problem data and obstacles from the total of 209 teachers under the following educational institutions : 42 teachers were from the Ministry of University Affairs, 26 teachers from the Technological and Vocational Institutes, and 141 teachers from the Vocational Education Department.

#### Method

All the data obtained through the correspondence questionnaire was distributed for analysis and comparative study on the degree of problems and obstacles possibilities and on that of the similarity and difference of other respects.

## Result

The results of this research were as follows :

1. In case of economy, The study revealed that 68.70 % of the sampling population were the teachers from the schools working under the Department of Vocational Education, whose income average was 6,940.28 baht per month, and the expense average was 6,403.54 baht per month, The second group comprised 17.56 % of the teachers working under the Ministry of University Affairs, with the income average of 9,097.74 baht per month and the expense average of 8,620.16 baht per month. The last group by 13.74 % of the sampling population working at the Technological and Vocational Institutes met the income average of 8,312.50 baht per month and the expense average of 7,903.50 baht per month.
2. For personnel management, the similar but essential problem encountered by the three groups of technical teachers was the housing welfare. The rest was upon the unfair treatments of the top administrators.
3. On social side, the three groups met the moderate problem on unity and cooperation in setting up teaching aids for the course within that working unit.
4. Concerning working conditions and facilities, the graduates under the Ministry of University Affairs found the moderate problem in machine shop ventilation while as the graduates under Department of Technological and Vocational Institutes found that working environment was not quite clean and tidy and the graduates under the Department of Vocational Education found that there was an acute problem in assigning appropriate equipment and machinery for students' practice.
5. The graduates working under the Ministry of University Affairs or the Department of Technological and Vocational Institutes were attached moderate or little value to the teaching profession. The graduates under one Department of Vocational Education found that students' attention provided little motivation to teaching and that they were moderately satisfied with the department administration.

and cooperation support for promotion from colleagues.

6. All graduates perceived that their status in all the educational institutes was at the middle level. The graduates under the Department of Technological and Vocational Institutes found moderate problems in the fields of personnel administration and promotion. The graduates under the Department of Vocational Education found that the problem of personnel administration was quite serious; other problems found similar to the two departments.

7. The graduates found the curriculum was adequate in both theory and practice in equipping them to teach in the fields of electrical technology and electronics at the certificate, diploma and bachelor's degree levels in all the technical institutes under the Ministry of University Affairs, the Department of Technological and Vocational Institutes, and the Department of Vocational Education.