

# The Study on Diffusion of the Existing IT Equipments Used in the Actual Teaching at Different Location

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## ABSTRACT

Since we have implemented 9 years Integrated Education Policy in 2001, every school has increased of their educational systems and IT equipments tremendously. Many of textbooks even come with CAI and online teaching resources. This prevents teachers the worry about lack of time and resources for preparing teaching material. Although, the teacher has all these materials, we are still not sure whether the teachers are incorporating those technologies appropriately in their teaching. In this study, based on the theory of TTF, ITD and TPB, we try to conclude a model to finding out at different school districts, which has sufficient equipments and technologies, the effects on teachers who are using those technologies in their teaching. Also to understand the proportion of time teachers are actually using those technologies to prompt learning. A questionnaire developed on the basis of SEM was used to survey on the participants of this study. According to the results of data analysis, innovation and consciousness of design have more major and positive influence to teachers' teaching attitude. Efficiency, teaching resources and motivation of technologies would also have direct impact to users' acceptance and interest and further effects the usage of the material. Also, different types of the teaching resources greatly affects the willingness and usage on the teachers. However, there is no any significant difference in willing of using those technologies in teaching at different location.

Keywords : information technology、 innovation diffusion theory、 theory of planned behavior、 task-technology fit theory

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