

THESIS TITLE	A DEVELOPMENT ICT COMPETENCY INDICATOR MODEL FOR FACULTY MEMBER IN INSTITUTE OF PHYSICAL EDUCATION - THAILAND
KEY WORDS	ICT COMPETENCY FOR TEACHER, INSTITUTE OF PHYSICAL EDUCATION, ICT COMPETENCY INDICATOR MODEL
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ABSTRACT

This research aimed to develop an ICT competency indicator model for instructors in the Institutes of Physical Education (IPE) in Thailand. The researcher took information derived from document analysis and related literatures to seek for an ICT competency list to construct the ICT competency indicator model and verify for appropriateness and essence by eighteen experts, using the Delphi technique. The derived data included 32 indicators constructed from Exploratory Factor Analysis (EFA), and 12 indicators constructed from first order and second order Confirmatory Factor Analysis (CFA) using 640 samplings to confirm that every factor was empirical correct. The model comprised three components: knowledge, skill and attitude. The weight value of each component was statistical significant with $P\text{-value} > 0.05$; Chi Square statistic comparing the tested model and the Independent model with the saturated model ($\text{CMIN/df} < 3$; Goodness of Fit Index (GFI) > 0.90 ; and Root Mean Squared Error Approximation (RMSEA) < 0.08 , which indicated that every component was the ICT competency indicator model for instructional work performers in the IPE. The important factors, ranked from the most to the least, were Skill ($R^2=0.97$), Knowledge ($R^2=0.75$) and Attitude ($R^2=0.71$) respectively. Every factor contained the predictive co-efficiency (R^2) that was able to explain the ICT competency indicator model for the instructors in the IPE in every factor.