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| Thesis Title    | The Study of Competencies of Computer Teachers During 1997-2007                                 |
| Thesis Credits  | 6   |
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### ABSTRACT

The objective of this research was to study the competencies of the computer teachers in terms of administration and instruction during 1997-2007 based on the computer education experts' opinions by using Delphi Technique. Seventeen experts were selected from various organizations in order to be a sample group. The questionnaires were used for data collection. The percentage, median, mode, and interquartile range were used for the data analysis. This research have two parts; competencies of computer teachers during 1997-2007 in under higher education level and competencies of computer teachers during 1997-2007 in higher education level.

The results were as follows. The administrative competencies of the computer teachers during 1997-2007 in under higher education level were; (1) they should be able to use computer on-line for data communication with other organizations, (2) they should be able to use computer to communicate data and change experience and knowledge with other organizations. The Instructional competencies of computer teachers were; (1) they should be able to design the teaching system which related to new technology and suits of the students, (2) they should be able to design teaching media very well, (3) they should be able to produce teaching media on their owns such as making a Web Page, (4) they should be able to transfer computer knowledge to anyone, (5) they should be able to use the computer for recording and analysing the learning result systematically.

The administrative competencies of the computer teachers during 1997-2007 in higher education level were; (1) they should be able to use the Internet or the Intranet for administering and communicating to other organizations, (2) they should be able to speak in the training, seminar, and meeting. The Instructional competencies of computer teachers were; (1) they should be able to have knowledge about the system approach, (2) they should be able to use the softwares to produce teaching media, (3) they should be able to produce teaching media on Web, CAI, and Home Page efficiently, (4) they should be able to get new technology to apply with research and development, (5) they should be able to advise the uses of computer, repair, and solve solution of computer problems, (6) they should be able to write computer articles to publish the idea and write a computer books for instructions.

**Keywords :** Competencies / computer teacher / computer for education / Delphi Technique / Administration / Instruction.