A Proposed Instruction for Thinking Program and its Effect on Achievement and Acquiring Metacognitive Skills Among Students at Computer Teachers Education

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The Master's Summary

- **Study problem"** the current study problem was existed in the main following question:
  What is the suggested scenario for an electronic program based on teaching thinking skills and its effect on achievement and acquiring some metacognitive skills for students of computer teacher preparation department?
- **This study aimed at determining:** the necessary skills which are concerned with designing an electronic program based on teaching thinking for students of computer teacher preparation department in programming curriculum 2 visual basic, preparing the suggested program for teaching thinking electronically, preparing the achievement test electronically, preparing metacongnitive skills measurement electronically, measure the impact of using the suggested program in achieving its aims of increasing the academic achievement for the research sample and acquiring some metacognitive skills.
- **The research sample**: formed of the second year students computer teacher preparation department at the specific education faculty Damietta Branch_almansoura University).
- **The study reached to**: a set of necessary skills for preparing and designing an electronic program based on thinking were put, in addition, the results proved The presence of statistically significant differences at the level (0.05)between the average of the research sample student's scores for the favor of the post evaluation in the cognitive achievement test at all bloom's cognitive aims levels, The results referred to the presence of statically significant differences at the level (0.05)between the average of the research sample students' scores of the results of note card in the favor of the post evaluation, in addition they referred to the existence of statically significant differences at the level (0.05)between the average of the research sample students' scores for the metacognitive skills measurement for the favor of the post evaluation.