the cognitive aspect related to the skills of using AutoCAD, and observation card to measure students' performance of skills. The results showed that statistically significant difference between the mean scores of the experimental and control groups in the post application of the achievement test in favor of the experimental groups. Also, there are a statistically significant difference between the mean scores of the experimental and control groups in the post application of the observation card in favor of the post test. This indicates the impact of the collaboration learning environment.

Keywords: Instructional design, collaboration learning, AutoCAD, industrial secondary education students

DESIGNING A COLLABORATION LEARNING ENVIRONMENT AND ITS IMPACT ON DEVELOPING THE SKILLS OF USING AUTOCAD AMONG INDUSTRIAL SECONDARY EDUCATION STUDENTS

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Abstract:

This research aimed to designing a collaboration learning environment and identify its impact on developing the skills of using AutoCAD for industrial secondary education students. Therefore, the research used the descriptive and semi-experimental approach. the research sample consisted of (60) students from Zaki Naguib Industrial School in Suez. They were divided into two groups, experimental group (30) students, and control group (30) students. The researcher prepared an achievement test to measure

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