



A research extracted from the Ph.D. dissertation

## The Effect of The Difference of the Pattern of Delivering Skill through the Virtual Classrooms on Developing E-Content Production Skills of Educational Technology Students

By

**Ahmed Mohammed Badr El-Deen Abu El-Ezz Mohammed**

Assistant Lecturer at Educational Technology Department

Faculty of Specific Education, Fayoum University

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### Abstract

This research aimed to treat the deficiency of e-content production skills of Educational Technology students by providing the synchronous e-learning and presenting a virtual classroom which the skill has been delivered using the two patterns (the whole pattern and the partial pattern).

The researcher prepared a list of e-content production skills and designed an achievement test to measure the cognitive aspect of e-content production skills and designed a skill card to measure the practical aspect of e-content production skills.

The research sample has been consisted of (31) thirty-one students from the third year students of the Department of Educational Technology at the Faculty of Specific Education in Fayoum University for the first semester of the academic year 2016/2017. And it has been divided into two groups. The first one has studied with the whole pattern and the second has studied with the partial pattern. After that the post applying for the measuring tools has been done.

The most important results the research reached are that using the partial delivering pattern is better than using the whole pattern in developing the practical aspect of e-content production skills through the virtual classrooms while as there is no statistically difference between them in the cognitive style of these skills.

This Research recommends using the partial pattern in delivering the skills through the e-learning environments generally and the virtual classrooms specially and also training the developers of e-content and the educational technology specialists on designing and developing the skills with the partial pattern, whereas the most of e-learning environments deliver them with the whole pattern only.