

Fayoum university
Faculty of Education
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**Designing an Adaptive E-learning Environment according to Learning Style
and its Impact on Developing the Skills of Designing Educational
web pages among Postgraduate Students Majored in
Education Technology in Faculty of Education**

A Thesis Submitted in Partial Fulfillment of the Requirements for the M.A
Degree in Education
(Educational Technology)

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Abstract

Study Title	Designing an Adaptive E-learning Environment according to Learning Style and its Impact on Developing the Skills of Designing Educational web pages among Postgraduate Students Majored in Education Technology in Faculty of Education
Researcher name	Mahmoud Ragab Mahmoud Sayed
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The aim of the current study is designing an adaptive learning environment according to the learning style and measuring its impact on developing the cognitive and practical aspects of educational web pages design skills among postgraduate students who are specialized in in educational technology. To achieve this aim, the researcher prepared a list of adaptive e-learning environment standards and used the experimental research . The sample of the study consisted of (15) students, and they were divided into two experimental groups, according to Felder Silverman's results of the learning style solving scale. The researcher also used the factorial experimental design of (2x1) and implement appropriate statistical treatment methods. Results of the study showed the positive effectiveness of the adaptive E-learning environment in developing the skills of designing educational web pages of postgraduate

students who are specialized in educational technology. In addition, the adaptive E-learning environment is proved to achieve a great improvement in both groups, and this shows the positive effect of designing an adaptive E-learning environment according to the learning style.

Keywords:

Adaptive E-learning Environment, Learning style, Holistic learner, Analytic (sequential) learner, Educational web page design skills.